



# QUESTIONNAIRE



QUESTIONNAIRE

**APPEAL QUESTIONNAIRE**

To be used for all Planning, Listed Building Consent or Conservation Area Consent appeals

APPEAL REF: APP /Z6950/A/11/2167112

GRID REF: (E)295863N)172167

APPEAL BY: Coastal Oil and Gas Limited

SITE: Unit 1, Llandow Industrial Estate, Llandow

**PLEASE SEND THE COMPLETED QUESTIONNAIRE (TOGETHER WITH ANY ENCLOSURES) TO THE INSPECTORATE AND TO THE APPELLANT OR AGENT WITHIN 14 DAYS OF THE OF THE START DATE.**

*If notification or consultation under an Act, Order or Departmental Circular would have been necessary before granting permission and has not yet taken place, please inform the appropriate bodies of the appeal now and ask for any comments to be sent direct to the Inspectorate within 6 weeks of the start date.*

<p>1. Do the Council agree to the written representations procedure?</p> <p><u>OR</u> Do the Council wish to appear before and be heard by an Inspector at:</p> <p style="margin-left: 40px;">a. a local inquiry? b. a hearing?</p> <p>2. a. If the written procedure is agreed, can the relevant part of the appeal site be seen from a road, public footpath, bridleway or other public land?</p> <p>b. Is it essential for the Inspector to enter the site to check measurements or other relevant facts?</p>	<p><del>YES</del> / NO</p> <p>YES / <del>NO</del> <del>YES</del> / NO</p> <p><del>YES</del> / NO N/A</p> <p>YES / NO N/A <i>(If YES, please attach details)</i></p>
<p>3. Does the appeal relate to an application for approval of reserved matters?</p> <p>4. Was an Article 7 (Regulation 6 for listed building or conservation area consent) certificate submitted with the application?</p> <p>5. Was it necessary for the Council to advertise the proposals under Article 8 of the GDPO 1995 and/or Section 73 of the Planning (Listed Buildings and Conservation Areas) Act 1990?</p>	<p><del>YES</del> / NO</p> <p>YES / <del>NO</del> / NA</p> <p>YES / <del>NO</del></p>
<p>6. Is the appeal site within an approved Green Belt or AONB? Please specify which</p> <hr/> <p>7. Is there a known surface or underground mineral interest at or within 400 metres of the appeal site which is likely to be a material consideration in determining the appeal?</p> <p>8. a. Are there any other appeals or matters relating to the same site or neighbourhood still before the National Assembly for Wales? If YES, please attach details and, where necessary, give the Inspectorate's reference numbers.</p> <p>b. Where the development would affect a public right of way, please provide an extract from the Definitive Map and Statement for the area, and any other details.</p>	<p><del>YES</del> / NO</p> <p><del>YES</del> / NO <i>(If YES, please attach details)</i></p> <p><del>YES</del> / NO</p> <p>YES / NO</p>

<p>9. Is the site within a Conservation Area? If YES, please attach a plan of the Conservation Area. (If NO, go to Q11.)</p>	<p><del>YES</del> / NO (If NO, go to Q11.)</p>
<p>10. Does the appeal relate to an application for conservation area consent?</p>	<p><del>YES</del> / NO</p>
<p>11. a Does the proposed development involve the demolition, alteration or extension of a Grade I / II* / II listed building? (Delete as appropriate.)</p>	<p>YES / NO</p>
<p>b Would the proposed development affect the setting of a listed building?</p>	<p><del>YES</del> / NO</p>
<p>If the answer to question 11a or b is YES, please attach a copy of the relevant listing description from the List of Buildings of Special Architectural or Historic Interest. (If NO, go to Q13.)</p>	
<p>12. Has a grant been made under Sections 3A or 4 of the Historic Buildings and Ancient Monuments Act 1953?</p>	<p>YES / NO</p>
<p>13. Would the proposals affect an Ancient Monument (whether scheduled or not)?</p>	<p><del>YES</del> / NO</p>
<p>14. a Is the appeal site in or adjacent to or likely to affect an SSSI? If so, please attach the comments of the Countryside Council for Wales.</p>	<p>YES / NO</p>
<p>b. Are any protected species likely to be affected by the proposals? If so, please give details.</p>	<p><del>YES</del> / NO</p>

<p>15. Copies of the following documents must, if appropriate, be enclosed with this questionnaire:</p>		
<p>a. Is the development in Schedule 1 or column one of Schedule 2 of the Town &amp; Country Planning (Environmental Impact Assessment)(England &amp; Wales) Regulations 1999? If so, please indicate which Schedule</p>	<p>YES/ NO Sch 1 col 1</p>	<p>Sch 2</p>
<p>b. Is the development within a 'sensitive area' as defined by regulation 2 of the Town &amp; Country Planning (Environmental Impact Assessment)(England &amp; Wales) Regulations 1999?</p>	<p><del>YES</del>/NO</p>	
<p>c. Has a screening opinion been placed on Part 1 of the planning register?</p>	<p><del>YES</del>/NO (If yes, please attach a copy)</p>	
<p>d. Is flooding an issue?</p>	<p>YES/NO</p>	
<p>i. If Yes, has a Flood Risk Assessment been submitted?</p>	<p>YES/NO</p>	
<p>e. Any comments or directions received from the National Assembly for Wales, other Government Departments or statutory agencies / undertakers whether or not as a result of consultations under the GDPO;</p>	<p>No. Docs Enclosed</p>	<p>N/A</p>
<p>f. Any representations received as a result of an Article 7 (or Regulation 6) notice;</p>	<p>18</p>	<p>(PLEASE ALSO REFER TO APPENDICES/LATE REPS OF COMMITTEE REPORTS UNDER Q. biii)</p> <p>✓</p>

<p>g. Copy of any notice published under Article 8 of the Planning (Listed Buildings and Conservation Areas) Act 1990 and/or Regulation 5; or Section 73 of the Planning (Listed Buildings and Conservation Areas) Act 1990 and/or Regulation 5</p> <p>h. Any representations received as a result of a notice published under Article 8 and/or Section 73 of the Planning (Listed Buildings and Conservation Areas) Act 1990 (or Regulation 5);</p> <p>i. Details of any other applications or matters currently before the Council relating to the same site;</p> <p>j. In the case of appeals against non-determination, details of considerations likely to have been relevant to the Council's decision;</p> <p>k. A list of any conditions or limitations the Council would favour if the appeal were to be allowed; TO BE INCLUDED IN LPAs STATEMENT IF APPLICABLE</p> <p>l. Any other relevant information or correspondence the Council consider the Inspectorate should be aware of. TO BE INCLUDED IN LPAs STATEMENT IF APPLICABLE</p>	1		
	IF ANY THESE ARE INCLUDED UNDER 2.16bii		
			✓
			✓

16 a. Please confirm that; in accordance with the Regulations, you have notified details of the appeal to authorities and other persons who made representations to you about the application and on what date you did so

YES / NO  
16/1/2012

b. Copies of the following documents must, if appropriate, be enclosed with this questionnaire.

i interested party notification letter			
ii representations received from interested parties about the original application	344		
iii the planning officer's report to committee	2	(29 SEPT 2011 & 20 OCT 2011)	
iv any relevant committee minute	2		
v 2 plans of the site - (1:10,000 & 1:1250) reproduced from O.S. digital map	2		

17. Relevant plans and policies - please enclose extracts of relevant policies and plans and explanations of these. Each extract should include the front page, showing the title of the plan and date of approval or adoption. Where plans and policies have not been approved or adopted, the stage and status of the plan should be given.

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18. Do the documents listed above comprise the Council's full statement of case?

YES / NO

Council's reference: 2011/00812/FUL

I certify that a copy of this appeal questionnaire and any enclosures have today been sent to the appellant or agent.

Signature: [Signature] on behalf of Council

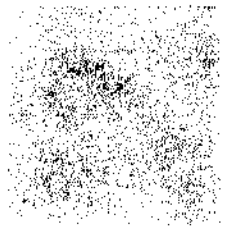
Date of despatch: 17/01/2012

NB: PLEASE TELL US OF ANY CHANGES TO THE INFORMATION YOU HAVE GIVEN ON THIS FORM.

\*(Rev Sep 2006)



# QUESTION 15e



QUESTION  
15e

St. Donats  
Community Council



Cyngor Cymuned  
Sain Dunwyd

Cadeirydd/Chairman: Mr. Allan Brown

Clerc/Clerk Mrs. Rosemary Smith

4, Church view,  
Marcross,  
Llantwit Major,  
Vale of Glamorgan CF61 1ZF

Mr. Steve Ball  
The Vale of Glamorgan Council,  
Principal Planning Officer  
Planning and Transportation Services  
Dock Office  
Barry Docks  
Barry CF63 4RT

2<sup>nd</sup> September, 2011

Dear Mr. Ball.

**Exploratory gas bore-hole application – planning ref: 2011/00812/FUL**

St. Donats Community Council wishes to strongly object to this application.

There is great concern regarding potential noise pollution, particularly because of the intended 24-hour operation throughout the duration of the test. The settlements of Marcross, St. Donats and Monkash are significantly close to the site, and it must be stressed that existing sources of noise from the area are often clearly heard. It is felt that the additional noise from this drilling process would be intrusive, both to the residents of the area and to the large amount of livestock in the surrounding agricultural land, particularly during the hours of darkness.

We consider that the emphasis on attracting tourists, and on a sustainable 'green' local and national agenda, could only be compromised by the implications of this application in a location which is very close to the Heritage Coast and other notable conservation areas and is due to host Wales's great cultural festival, the National Eisteddfod, during 2012.

We are also concerned that this re-submission is, by the applicants own admission, apparently made necessary because a major omission was made on the original application regarding a dwelling house near the site. This provides us with no confidence as to the ability of the applicants to adequately survey the area and provide environmental assurances.

Yours sincerely,

Councillor Glyn David to whom all correspondence should be addressed

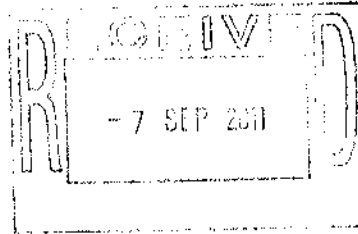
Alun Cairns MP  
Vale of Glamorgan



HOUSE OF COMMONS  
LONDON SW1A 0AA

Mark Petherick  
Cabinet Officer  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

2<sup>nd</sup> September 2011



Dear Mark,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas. I have been inundated with a great deal of correspondence and many calls from worried residents and business owners in the Vale.

I am alarmed and very concerned by this planning application, as I was when the first application from Coastal Oil & Gas was submitted earlier this year. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too

29 High Street  
Barry  
CF62 7EB

Alun Cairns MP AS

29 Y Stryd Fawr  
Y Barri  
CF62 7EB

Alun Cairns MP  
Vale of Glamorgan



HOUSE OF COMMONS  
LONDON SW1A 0AA

of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Alun Cairns MP

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government

29 High Street  
Burry  
CF62 7TB



29 Y Stryd Fawr  
Y Bardi  
CF62 7TB



Cynulliad Cenedlaethol Cymru  
Bae Caerdydd  
Caerdydd CF99 1NA  
www.cynulliadcymru.org

National Assembly for Wales  
Cardiff Bay  
Cardiff CF99 1NA  
www.assemblywales.org

Cynulliad  
Cenedlaethol  
Cymru

National  
Assembly for  
Wales



Our ref: JH/CB

Mark Petherick  
Cabinet Officer  
Vale of Glamorgan Council  
Civic offices  
Holton Road  
Barry  
CF63 4RU

23 August 2011

FAO: Cllr Jeff James

*Dear Jeff*

**Re: Application: 2011/00812/FUL Coastal Oil and Gas Test Drilling at Llandow,  
Vale of Glamorgan**

In light of the recently resubmitted application from Coastal Oil and Gas, to test drill for shale gas at Llandow, I would like to reiterate on behalf of my constituents, the serious and numerous objections to this proposal.

My constituents are aware that this application is for test drilling only, but if gas is found, consideration will be given to how it could be exploited and my constituents feel very strongly against the hydraulic fracturing or 'fracking' method which enables the production of natural gas from rock formations deep below the earth's surface.

I understand the process is highly controversial and has the potential to cause earth tremors and contaminate ground water and farm land. Furthermore, some of this contamination derives from the toxic chemicals, including carcinogens, which are

Bae Caerdydd  
Caerdydd  
CF99 1NA

Cardiff Bay  
Cardiff  
CF99 1NA



utilised in the 'fracking' process. I am told that there have been incidents of contamination posing threats to public health and the environment in the USA, and that a report from Manchester University's Tyndall Centre for Climate Change Research, has insisted that a 'precautionary approach' to development of shale gas extraction is the only responsible action to take in the UK and Europe.

Given the recent earth tremors in Blackpool after shale gas drilling at a site by Cuadrilla, there is a greater need to seriously consider the consequences of approving this application.

There are also concerns amongst constituents about the potential increase in heavy traffic levels at the site which this application would bring about, and the ability of the current road infrastructure to cope. In addition, I have been contacted by constituents who have expressed worries about the levels of noise pollution which a 24 hour drilling operation would generate in this quiet rural area.

I would be very grateful if these extremely important and potentially very serious public health and safety concerns could be accorded due and urgent consideration.

With very best wishes

Yours sincerely



**JANE HUTT AM VALE OF GLAMORGAN**



*Cyngor Cymuned Llanfaes*  
**Llanmaes Community Council**

*Clerk, 41 The Verlands, Y Bont Faen, Bro Morgannwg, CF71 7BY.*  
**Clerk, 41 The Verlands, Cowbridge, Vale of Glamorgan, CF71 7BY.**

Ffôn/Phone: [REDACTED]

26<sup>th</sup> September 2011

**By E-Mail.**

For the Attention of Mr S J Ball

Mr D R Thomas  
Head of Planning and Transportation  
The Vale of Glamorgan Council  
Dock Office  
Barry Docks  
BARRY  
Vale of Glamorgan  
CF63 4RT

Dear Mr Thomas

**Planning Application No. 2011/00812/FUL.**

Although the Community Council has not been invited to comment the above mentioned planning application, the members are extremely concerned at the effect that this exploration work for gas could have on the local environment and would urge the Vale of Glamorgan Council to reject the application.

Yours sincerely

[REDACTED]

Jackie Griffin  
**Clerk to the Community Council.**

**CYNGOR CYMUNEDOL LLANDOW  
LLANDOW COMMUNITY COUNCIL**

**Clerk: David-Lloyd Jones**

Tel: [REDACTED]

email: [REDACTED]

Overt House,  
47 Cefn Road,  
Cefn Cribwr,  
Bridgend.  
CF32 0BA.

26 September 2011

Application No: 2011/00812/FUL

Location : Unit 1, Llandow Industrial Estate, Llandow

Proposal : Drill and test the insitu lower limestone and associated strata for the presence of gas

Dear Sir,

The Community Council is aware of concern raised in the US regarding shale gas exploitation particularly where the gas formations are located close to urban populations and near abandoned coal mining operations where methane gas is present. Environmental concerns include:

- Potential chemical spills causing pollution of surface waters.
- Natural gas or fracturing chemicals seeping into the water table due to an inadequate casing cementing.
- Natural gas leaching into drinking water.
- Inappropriate disposal of fracturing mixture.
- High water volume required for shale gas fracturing.

Given that there are a number of inherent risks with drilling and testing, quite apart from those associated with any subsequent commercial exploitation, the Community Council, feels that it must object to the application. No doubt the Environment Agency will be equally as concerned as we are at the potential for the proposal to pollute ground and surface waters in the area, in particular the limestone aquifer at Llandow from which groundwater is abstracted.

Whilst this is a test application, it will nonetheless employ similar techniques to the full scale operation. Accordingly, and in the absence of any risk assessment evidence, we would request that the planning authority adopt the precautionary approach and in conformity with Policies EMP2 & 5 refuse the application on the grounds of potential pollution of important water resources.

We would furthermore take the opportunity to point out that there are residents and businesses' in close proximity to the 'test rig'. The 24 hour drilling operation and associated noise, for several weeks, which will be audible over a considerable distance, would constitute a considerable loss of amenity and would be harmful to business. We would therefore request, that if you are mindful to grant this application, that a condition be that drilling can only take place between 8 am and 6 pm Monday to Friday in order to protect the general public from complete loss of amenity.

Yours sincerely,

David-Lloyd Jones.

**O'Keefe, Kevin T**

**From:** DAVID-LLOYD JONES [REDACTED]  
**Sent:** 25 September 2011 15:38  
**To:** Ball, Steve J; Planning & Transportation (Customer Care)  
**Subject:** Planning application 2011/00812/FUL  
**Attachments:** LLD CC object to Gas drilling.doc

Dear Sirs,

please find attached a letter of objection form Llandow Community Council to : 2011/00812/FUL

Best regards,

David-Lloyd Jones.  
 Clerk to the Llandow Community Council.

ion No: 2011/00812/FUL  
 : Unit 1, Llandow Industrial Estate, Llandow  
 : Drill and test the insitu lower limestone and associated strata for the presence of gas

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- gas or fracturing chemicals seeping into the water table due to an inadequate casing cementing.
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As this is a test application, it will nonetheless employ similar techniques to the full scale operation. Accordingly, in the absence of any risk assessment evidence, we would request that the planning authority adopt a precautionary approach and in conformity with Policies EMP2 & 5 refuse the application on the grounds of potential damage to important water resources.

We would furthermore take the opportunity to point out that there are residents and businesses' in close proximity to the site. The 24 hour drilling operation and associated noise, for several weeks, which will be audible at a considerable distance, would constitute a considerable loss of amenity and would be harmful to business. We request, that if you are mindful to grant this application, that a condition be that drilling can only take place between 8 am and 6 pm Monday to Friday in order to protect the general public from complete loss of amenity.

Sincerely,

David Lloyd Jones.

26/09/2011

**Ymgyrch Diogelu Cymru Wiedig  
Campaign for the Protection of Rural Wales**

**MID AND SOUTH GLAMORGAN BRANCH**

Tuesday, 27<sup>th</sup> September 2011

Robin Simpson, Chairman, 3 Parc-y-Bryn, Creigiau, Cardiff, CF15 9SE. Tel: [REDACTED]

To: Mr D.R.Thomas, Head of Planning and Transportation, The Vale of Glamorgan Council,  
Dock Office, Barry Docks, Barry, CF63 4RT

**Planning Application No. 2011/00812/FUL Coastal Oil and Gas Limited  
Drill and test the insitu lower limestone and associated strata for the presence of gas**

Dear Mr Thomas,

It was agreed unanimously at tonight's meeting of our committee to oppose the above planning application for the following reasons:

**A.** The process of shale gas exploration and exploitation could have a significant deleterious effect on the Vale of Glamorgan countryside and landscape.

The dispersed processes and infrastructure involved in the whole shale gas process, from exploration to commercialisation are incompatible with the rural nature and relatively open landscape characteristics of the Vale.

**B.** The sensitive aquifers which lie in the limestone strata beneath the Vale can potentially be irreversibly contaminated by the shale gas processes.

Chapter 13 of Planning Policy Wales deals with "Minimising and Managing Environmental Risks and Pollution" and states that

*"the planning system has an important role in avoiding or minimising the adverse effects of any environmental risks on present or future land use".*

It also states that

*"The potential for pollution affecting the use of land will be a material consideration in deciding whether to grant planning permission".*

We consider that the process of shale gas exploration and exploitation has the potential to significantly detract from the rural nature and amenity of the Vale of Glamorgan and that this application should be refused.

Yours sincerely,

Robin Simpson, Chairman

Registered Charity 239899

cc. Councillor J.James Chairman, VOG Planning Committee

**Ball, Steve J**

**From:** Thomas, Rob  
**Sent:** 26 September 2011 09:14  
**To:** Goldsworthy, Marcus J; Ball, Steve J  
**Subject:** FW: Planning Application 2011/00812/FUL

**From:** John, Gwyn (Cllr)  
**Sent:** 25 September 2011 19:57  
**To:** Thomas, Rob  
**Cc:** Hacker, Eric (Cllr)  
**Subject:** Planning Application 2011/00812/FUL

Rob Thomas  
Head of Planning & Transportation  
Vale of Glamorgan Council

25<sup>th</sup> September 2011

Dear Rob,

**Re : Planning Application 2011/00812/FUL**

I strongly object as the Council Member for Llantwit Major Ward to the above application for test drilling at Unit 1, Llandow Industrial Estate, Llandow.

I have considered all aspects of this application and the impact it will have on my ward and the residents living therein.

Llandow Industrial Estate is a major employment area for many living at Llantwit Major and the surrounding villages, many people have developed their businesses and put all their savings into their business and in turn have employed local people. Drilling on this site will have a major impact on everyone working at Llandow, and I know from many people working there, that they have strong objections and fears for their future.

Residents living throughout the Vale of Glamorgan have major concerns over the environment and what it could mean to their future health and living in the Vale of Glamorgan, including all the points already raised by many other objectors.

The Vale of Glamorgan Council has developed tourism and in recent years we have seen a great increase in visitors to the Vale. Llantwit Major, a couple of years ago, was rated the fourth most desirable place to live in the UK, I am sure our Tourism will be destroyed if this application goes ahead. Who will want to visit the Vale of Glamorgan, just check the tourism figures at Blackpool this year, where this drilling has gone ahead, many hotels are going out of business.

It has been said that ' the application is only to allow test drilling ', absolute rubbish, this application is the introductory stage to a much more dangerous manoeuvre and a future planning application for Fracking would NEVER be rejected. This is just the start of a process which greedy people who have no care for the Vale of Glamorgan are waiting to get their mucky hands on. They may think they can kid some people but the applicant certainly cannot fool me – this is all about money and what some people will do to get rich quick !!

26/09/2011

If your Officers took time to watch the documentary Gaslands, yes I have watched the film about the impact the drilling process has done to American states and caused mayhem, they would not want to put their name to supporting this application.

With due respect to your Officers, they do not have the expertise and the vast knowledge needed to make a recommendation for this application to go ahead, in fact nobody in the UK has this knowledge.

The UK Government are currently carrying out studies and research into the eventual Fracking which will be the outcome of this test drill. National Governments across the world have stopped test drilling until further research has been done, so how can a recommendation be made to the Planning Committee to approve this application – this is absolute madness.

Yours Sincerely,  
Councillor Gwyn John  
Llantwit Major Ward





**COWBRIDGE (Ancient Borough)  
with LLANBLETHIAN,  
TOWN COUNCIL**  
**CYNGOR TREF  
Y BONTFAEN (Bwrdeistref Hynafol)  
gyda LLANFLEIDDAN**



Town Clerk  
Clere y Dref

**Andrew Davies**

Date  
Dyddiad

23<sup>rd</sup> September 2011

**Ref: AD/Plan 05/09**

Mr D R Thomas  
Head of Planning and Transportation  
The Vale of Glamorgan Council  
Dock Offices  
Barry Docks  
BARRY  
CF63 4RT

Dear Mr Thomas,

**Planning Application 2011/00812/FUL  
Coastal Oil and Gas Limited**

Whilst the above planning application does not come within the houndary of the Town Council, the Members fell that it is of significant importance to request the council to be officially consulted. The Members are aware of a numbers of concerns from local residents about the impact this might have on the community of Llanblethian.

I look forward to hearing from you in due course.

Yours sincerely

Andrew Davies  
Town Clerk.

The Vale Of Glamorgan Council  
Planning and Transport  
Docks Office  
Subway Road  
Barry  
Vale of Glamorgan  
CF63 4RT

**Ein cyf/Our ref:** SE/2011/114437/01-L01

**Eich cyf/Your ref:** 2011/00812/FUL

**Dyddiad/Date:** 12 September 2011

FAO: Steve Ball

Annwyl / Dear Mr Ball

**Drill and test the insitu lower limestone and associated strata for the presence of gas at Unit 1, Llandow Industrial Estate, Llandow**

Thank you for referring the above application in your e-mail dated 19 August 2011.

We have no objection to the application as submitted. However, the proposed works will only be acceptable if the following measures are implemented and secured by way of planning conditions on any planning permission:

**Condition**

The development hereby permitted shall not be commenced until such time as a scheme for the disposal of foul and surface water drainage has been submitted to, and approved in writing by, the local planning authority.

**Reasons**

To prevent pollution to controlled waters. Protection of the water environment is a material planning consideration and development proposals should ensure that new development does not harm the water environment.

**Condition**

Prior to the commencement of development, a working method statement to cover the works shall be submitted to and agreed in writing by the local planning authority. Thereafter the development shall be carried out in accordance with the approved scheme and any subsequent amendments shall be agreed in writing with the local planning authority.

**Reason**

The construction phase of any proposed development poses significant risks to controlled waters, specifically diffuse pollution to the water environment arising from ground works.

**Condition**

Any facilities for the storage of oils, fuels or chemicals shall be sited on impervious bases and surrounded by impervious bund walls. The volume of the bunded compound should be at least equivalent to the capacity of the tank plus 10%. If there is multiple tankage, the compound should be at least equivalent to the capacity of the largest tank, or the combined capacity of interconnected tanks, plus 10%. All filling points, vents, gauges and sight glasses must be located within the bund. The drainage system of the bund shall be sealed with no discharge to any watercourse, land or underground strata. Associated pipework should be located above ground and protected from accidental damage. All filling points and tank overflow pipe outlets should be detailed to discharge downwards into the bund.

**Reason**

To prevent pollution of the water environment. In this instance, the proposal poses a threat to water quality because of the storage of potentially polluting materials on site and the associated risks with leaks and spillages.

We note the comments in section 7.7: Environmental Control in the accompanying information document. This Section includes details of ground, surface and foul water management, storage of oils and fuels and management of drilling fluids. We have the following comments to make on this section:

- The document mentions the monitoring of drilling fluid on site and identifying leaks by noting any losses. This should be accompanied by regular monitoring of any nearby receptors (such as open drains / watercourses). Such receptors should be identified as part of the site set-up before drilling commences;
- The document states that control of surface water will be affected by constructing a single block wall around the site and installing a sealed interceptor tank. Waste water will be tankered off site to a licensed disposal site. If this is the method that is to be used then the block wall surrounding the site must be watertight (and presumably keyed into the concrete floor of the site). If all site surface water is to be collected in the sealed tank then the tank must have sufficient volume to cope with prolonged rainfall onto the concrete floor of the site.

With regard to post use drilling muds, these are a notoriously difficult waste to dispose of / recover, particularly those composed of bentonite clay. We advise that the applicant sources an output for this waste prior to its generation on site.

We request that our Environment Officer for the area is invited to carry out a pollution prevention visit at the site during any future site preparation and drilling/testing.

The works should be carried out in accordance with our Pollution Prevention Guidelines which can be found on our website:

<http://www.netregs.gov.uk/netregs/links/107968.aspx>

**Advice for the applicant**

WR-11: Notice of intention to construct or extend a boring for the purpose of searching for or extracting minerals

Under Section 199 of the Water Resources Act 1991, the applicant is required to complete form WR-11 'Notice of intention to construct or extend a boring for the purpose of searching for or extracting minerals'. A copy is enclosed for the

applicants attention, and when completed, this form should include details of the proposed works and the methods of water disposal. It will also provide information on the types of licences or permits that may be required for the abstraction and disposal of water.

Following the submission of the WR-11 form, we will either accept the form, or issue a 'Notice to conserve water resources' (form WR-12). This notice details the measures needed to protect water quality and quantity and to minimise impacts on nearby water users.

#### Environmental Permit

Under the Environmental Permitting (England and Wales) Regulations 2010, a permit (water discharge or groundwater activities) may be required for the discharge of water from the site. Our Permitting Support Centre can be contacted on 03708 506 506 to discuss these requirements.

#### Waste

The accompanying information mentions that the applicant will be cleaning up the site which has suffered from unauthorised dumping. If any controlled waste is to be removed off site, then site operator must ensure a registered waste carrier is used to convey the waste material off site to a suitably authorised facility.

The Duty of Care regulations for dealing with waste materials are applicable for any off-site movements of wastes. The developer as waste producer therefore has a duty of care to ensure all materials removed go to an appropriate licensed disposal site and all relevant documentation is completed and kept in line with regulations.

If the applicant / operator wishes more specific advice regarding waste / pollution prevention, our local Environment Management team can be contacted on 01792 325 650. Alternatively, available guidance is available on our website:  
[www.environment-agency.gov.uk/subjects/waste/](http://www.environment-agency.gov.uk/subjects/waste/)

Please contact me if you have any further queries.

Yn gywir / Yours faithfully

**Christian Servini**  
**Planning Liaison Officer 1**

Deialu uniongyrchol/Direct dial [REDACTED]

Ffacs uniongyrchol/Direct fax [REDACTED]

E-bost uniongyrchol [REDACTED]

cc. Coastal Oil and Gas Ltd.

Steve

Thanks for this.

1. I am happy for noise vibration assessment condition as discussed
2. Noise I have considered noise based on plant layout and recently provided drill rig noise.

Given 700m separate the caravan site and the proposed scheme this alone will attenuate the noise levels significantly and to below measured background. I predict this is the case even if additional sources were present.

I am also happy that the nearby site users are unlikely to be affected at given level.

What I suggest however is that I contact the applicant directly and obtain the data (sound power levels for generators an compressor. I can quickly calculate the impact to inform the objector if required.

Can you pas the relevant contact details – it wont take long once I have the data!

Kristian James  
Team Leader  
Public Protection Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: [REDACTED]  
e-mail / e-bost: KJames@valeofglamorgan.gov.uk

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

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---

**From:** Ball, Steve J  
**Sent:** 08 September 2011 09:50  
**To:** James, Kristian  
**Subject:** FW: Objection for Planning Application Reference '2011/00812/FUL'

Hi Kristian,

As just discussed, please find attached letter of objection from Louise Evans which refers to noise matters and particularly additional noise form generators etc.

Can you confirm that these have been considered as part of your responses.

In addition, as discussed can you confirm that you are happy for a condition to be attached requiring vibration impact assessment rather than works upfront.

Thanks


Steve

Steve Ball  
Principal Planner Appeals  
Planning and Transportation Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: 01446 704602  
e-mail / e-bost: SJBall@valeofglamorgan.gov.uk

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

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09/09/2011

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**From:** Louise Evans [REDACTED]  
**Sent:** 07 September 2011 10:23  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Objection for Planning Application Reference '2011/00812/FUL'

Please find attached our official objection for planning application reference '2011/00812/FUL'

Could you please confirm the receipt of this letter.

Regards,  
Louise Evans

--

<input checked="" type="checkbox"/> Llandow Caravan Park and Storage	<p><b>Louise Evans</b> <i>Business Development</i> Llandow Caravan Park Ltd. Llandow, Cowbridge, Vale of Glamorgan CF71 7PB</p> <p>[REDACTED]</p>	<input checked="" type="checkbox"/> Top 100 UK Parks
<input checked="" type="checkbox"/> Facebook	<input checked="" type="checkbox"/> Twitter	<input checked="" type="checkbox"/> Cassoa Gold Award
		<input checked="" type="checkbox"/> Free Wi-Fi

**Ball, Steve J**

**From:** James, Kristian  
**Sent:** 08 September 2011 09:08  
**To:** Ball, Steve J  
**Subject:** RE: Noise Testing Llandow

Steve

Thanks for this.

This evidence was vital. Based on this information I am happy with the submitted noise assessment and offer no objection on noise grounds.

Kristian James  
Team Leader  
Public Protection Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: [REDACTED]  
e-mail / e-bost: [KJames@valeofglamorgan.gov.uk](mailto:KJames@valeofglamorgan.gov.uk)

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

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**From:** Ball, Steve J  
**Sent:** 07 September 2011 14:53  
**To:** James, Kristian  
**Subject:** FW: Noise Testing Llandow


Noise info re the rig they are proposing to use at Llandow. I haven't gone back to them yet about vibration.

Steve

Steve Ball  
Principal Planner Appeals  
Planning and Transportation Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: [REDACTED]  
e-mail / e-bost: [SJBall@valeofglamorgan.gov.uk](mailto:SJBall@valeofglamorgan.gov.uk)

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
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09/09/2011

# MEMORANDUM / COFNOD

VALE of GLAMORGAN

The Vale of Glamorgan Council  
Public Protection Services  
Legal, Public Protection and Housing Services Directorate  
Civic Offices, Holton Road  
BARRY, CF63 4RU



To:	Mr Steve Ball
Dept / Adran:	
Date/Dyddiad	
Your Ref / Eich Cyf:	Docks Office, Subway Road, Barry, Vale of Glamorgan, CF634RT

From /	Kristian D James
Oddi Wrth:	Pollution Section
My Ref/Cyf	KDJ/256933
Tel / Ffôn:	[REDACTED]
Fax / Ffacs:	[REDACTED]

Subject /  
Testyn: **Re: Planning Application No - 2011/00812/FUL  
Planning Application, , Unit 1 Llandow Industrial Estate, Cowbridge, .  
Drill and test the insitu lower limestone and associated strata for  
the presence of gas**

I refer to your memorandum received by this department on 19 August 2011, this department has  
Comments to make regarding the above application

1. A noise impact assessment with regard to surface plant and drilling operations. We understand drilling is a 24hr, seven day week operation. In isolation and in combination.

The noise assessment provided ref 2594/ENS1 alludes to the low background noise levels experienced during the night time period in the vicinity. The noise assessment method is fine but relies on as yet unsupported data for the sound power and or pressure level for the drill rig and other associated plant. We cannot rely on the assessment as it is not underpinned by supported plant noise data

2. An agreed vibration impact assessment will be required prior to and during any permitted drilling is recommended. Whilst this is an exploratory borehole it may well be challenged and an assessment agreed with the LPA can provided useful information on any impact upon local amenity. We not the applicant has proposed such a scheme.

3. An agreed scheme on the control of dusts from any surface storage of arisings

4. I have checked our **known** private water supplies database. There are none within a 4.9km radius. There may be others we are not aware of however.

At present there is insufficient information on noise and vibration to gauge impact upon nearby amenity.

Kristian D James  
Team Leader, Env Health (Pollution)



# Highway Observations

VALE of GLAMORGAN



2011 / 00812/ Full

**RE:- Unit 1, Llandow Industrial Estate, Llandow.**

Further to a recent site inspection carried out in relation to the above Planning Application to drill and test the insitu lower limestone and associated strata for the presence of gas.

The Highway Authority would advise that the nearest adopted highway is located approximately 180m South West of the trial site.

The Highway Authority would advise having reviewed the proposed size of plant and the access provisions contained within the submitted accompanying Information package.

No highway objections would be raised to submitted application subject to the applicant adhering to the access arrangements identified within item 6.6 of the Aforementioned document.

Lee M Howells – 7<sup>th</sup> September 2011  
Senior Engineering Assistant  
Highway Development

Enc – Comments from Traffic Section – Visible Services Department

Planning Case Officer:- Mr Steve Ball (SB)

**OKeefe, Kevin T**

**From:** Colwinston Community Council [REDACTED]  
**Sent:** 06 September 2011 15:14  
**To:** Planning & Transportation (Customer Care)  
**Cc:** Chairman CCC  
**Subject:** Re: Planning Application Consultation2011/00812/FULUnit 1, Llandow Industrial Estate, Llandow

Dear Vicky,

Please see amended e-mail below in regard to the above planning application. Please discard the original e-mail sent today at 3.07 pm.

Regards,

Ben.

**Planning Application Consultation2011/00812/FULUnit 1, Llandow Industrial Estate, Llandow**

Colwinston Community Council wishes to record its opposition to the above proposed exploratory shale gas drilling application. World-wide evidence indicates that even exploratory exercises are extremely noisy and, in view of their 24/7 nature, invasive and disruptive, and because of the geological nature of the underlying rock strata, there is also the probability that a much wider area, even wider than that of the drill site, will be affected by the transmission of noise and seepage of pollutants associated with the process. The environmental risks are therefore, in the view of this Community Council, unacceptable and the application should therefore be refused.

However, in the event that approval is considered appropriate, it should be conditional on the provision of adequate Public Liability Insurance. In terms of the exploration exercise the evidence of such projects elsewhere suggests that a minimum un-conditional cover of £500 million would be required with up to £2000 million for any extraction programme.

Colwinston Community Council also wishes to place on record its objection to the assertion that any objections to a future extraction application and its consequences are unacceptable in the context of this application. The whole objective of the proposed exploration is to determine the viability of extraction and therefore if the results are commercially positive the results will be used to negate and dismiss the grounds for environmental opposition. Since the environmental and, not to say the least, resource ownership questions are potentially extreme, these factors also justify refusal of the current application.

Yours faithfully,

Benjamin Graham-Woollard

Clerk, Colwinston Community Council  
 Yew Tree Farmhouse  
 Colwinston  
 Cowbridge  
 Vale of Glamorgan  
 CF71 7ND.

Clerc, Y Cyngor Cymuned Tregolwyn  
 Amaethdy Pren Yw  
 Tregolwyn  
 Y Bont Faen  
 Bro Morgannwg  
 CF71 7ND

Tel/ Ffôn: [REDACTED]  
 Mobile: [REDACTED]

**From:** Vicky King <Planning&Transport@valeofglamorgan.gov.uk>  
**To:** Colwinston Community Council <clerk.colcommcoun@yahoo.co.uk>  
**Sent:** Friday, 19 August 2011, 10:02  
**Subject:** Planning Application Consultation2011/00812/FULUnit 1, Llandow Industrial Estate, Llandow

07/09/2011

Mrs Karen Bowen(o/b Councillor C J Williams),  
Scrutiny & Committee Services Officer,  
The Vale of Glamorgan Council,  
Civic Offices,  
Holton Road,  
Barry  
CF63 4RU

Your ref: KB/pn

Date: October 2011

Dear Mrs Bowen,

**VALE OF GLAMORGAN COUNCIL SCRUTINY COMMITTEE (ECONOMY & ENVIRONMENT)  
MEETING TO CONSIDER SHALE GAS EXTRACTION**

Thank you for your letter of 29 September inviting Dŵr Cymru Welsh Water to give evidence to your Council's Scrutiny Committee inquiry on 17 October into the potential impact of the extraction and burning of shale gas. The guidelines enclosed with your letter suggest that witnesses should submit written evidence in advance of the meeting.

**Background**

Dŵr Cymru is a statutory water and sewerage company. Our supply area covers most of Wales, including the Vale of Glamorgan. We have some three million customers in total: we provide an essential public service by supplying their drinking water and then carrying away and dealing with wastewater. Dŵr Cymru is owned by Glas Cymru a not-for-profit company with no shareholders and we are run solely for the benefit of our customers.

The extraction of shale gas as an energy source is fairly well established in some countries. Our understanding is that gas production in commercial quantities usually requires the induction of fractures in the rock to increase permeability. A common method of achieving this is hydraulic fracturing ("fracking") where fluid containing chemicals and sand is pumped at high pressure via a borehole into the gas bearing rock to develop fractures which are propped open by the sand particles, a process that may need to be repeated every few years to maintain gas flow.

The Committee will be aware that concerns have been raised, notably in the USA, that the drilling of exploratory and production boreholes, together with associated activities such as "fracking", may present a risk of pollution of groundwater within aquifers.

There seems to be increasing interest across the UK in identifying and exploiting methane deposits contained in shale formations and also un-mined coal beds. Parts of Wales have been identified for exploration for both of these, including the Vale of Glamorgan.

**Dŵr Cymru's interest**

Dŵr Cymru's interest in shale gas and coal bed methane exploration is confined to the possible impact on our water supplies. Although most of our supplies are from surface water sources such as

rivers and reservoirs, we do source about 5% from groundwater. In the Vale of Glamorgan, for example, the Schwyll groundwater source is an important backup supply for the Bridgend area.

The Committee will appreciate that Dŵr Cymru would be very concerned if gas exploration and production risked polluting – directly or indirectly - any of the groundwater which we are able to abstract to maintain public drinking water supplies.

Against that background, we would like to be consulted on and involved in all applications relating to shale gas and coal bed methane so that we can safeguard the interests of our customers. Currently water undertakers such as Dŵr Cymru are not statutory consultees for planning applications. We therefore have to try to keep ourselves aware of any new proposals or rely on local planning authorities realising that we may have an interest and seeking our views on relevant applications. This enables us to assess whether there might be an impact on the quality of the water from which we source drinking water and advise local planning authorities accordingly.

Similarly, we hope that the Environment Agency will consult us on any applications it may receive for related environmental permits.

More generally, given the potential risks that some exploration and production processes may represent, we hope that the regulatory authorities will adopt a precautionary approach not only to the protection of groundwater sources used for public supply, but also those used by private abstractors. They represent an important asset for future generations and restoring polluted groundwater can be prohibitively expensive, assuming it is even technically feasible.

Yours sincerely,

PAUL HENDERSON  
Environmental Policy Manager

**From:** Donald Dobson [REDACTED]  
**Sent:** 03 October 2011 14:12  
**To:** Bowen, Karen  
**Cc:** [REDACTED]  
**Subject:** Shale Gas Extraction

Dear Karen

Your request for a contact in the Health & Safety Executive has been passed to me by HSE in South Wales. My colleagues and I have responsibility for regulating safety at all oil and gas drilling sites, both offshore and onshore, including shale gas exploration and the technique known as hydraulic fracture stimulation. We have many years experience of oil and gas well engineering and operations in the industry and as regulators.

We are aware of the public concern about hydraulic fracturing, We feel that public fears about it are unfounded. The alarmist film Gasland gives a highly misleading picture of the issues surrounding shale gas extraction in the US. I would point out that hydraulic fracturing is a technique that has been used for fifty years in oil and gas wells onshore in this country as well as offshore. There has been onshore oil and gas drilling in the UK since the early 1900s with more than 2000 onshore wells drilled.

If you wish to discuss the issues feel free to contact me or my colleagues.

Yours

Donald Dobson

*Donald Dobson*

*Head of Discipline - Well Engineering and Operations*

*Offshore Division*

*Health & Safety Executive*

*Lord Cullen House*

*Fraser Place*

*Aberdeen AB25 3UB*

[REDACTED]



Dŵr Cymru  
Welsh Water

Developer Services  
PO Box 3146  
Cardiff  
CF30 0EH

Gwasanaethau Datblygu  
Blwch Post 3146  
Caerdydd  
CF30 0EH

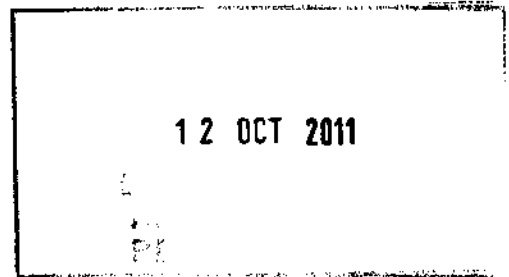
Tel: [REDACTED]  
Ffôn Ffacs: [REDACTED]  
E-bost: [REDACTED]

Tel: [REDACTED]  
Ffôn Ffacs: [REDACTED]  
E-bost: [REDACTED]

The Vale of Glamorgan Council  
Dock Office  
Barry Docks  
Barry  
CF63 4RT

Your ref 11/00115/FUL  
Our ref NDC/MDE/VOG/20  
Enquiries Maria Evans  
Direct Line (01443)331123

For the attention of Mr S J Ball



11 October 2011

Dear Sir

**Re: Unit 1 Llandow Industrial Estate, Cowbridge CF40 1SJ  
Drill and test the insitu lower limestone shale and associated strata**

We thank you for your letter dated 5 October 2011, in relation to the above planning application and reply as follows:

We would have some concern if significant volumes of drilling fluid were lost to the formation as this would provide a potential source of pollution to Dwy Cymru groundwater sources. With respect to this, we would like to understand the content of the drilling fluid to be used and assurance that loss of drilling fluid to the formation during the drilling process will be monitored and how this will be minimised.

We wish to reaffirm the comments made within our letter of the 22 March 2011, and would appreciate your advice on the next steps in the process. We also request details on how the applicant can alleviate our concerns mentioned above.

We trust the above is sufficient; should you have further queries, please do not hesitate to contact us.

Yours faithfully

[REDACTED SIGNATURE]

**Maria Evans  
Developer Services**

D.E.E.R
RECEIVED
ACTION BY: <b>SJB</b>
NO: <b>P230</b>
ACK:

glas  
Glas Cymru Cyfyngedig

We welcome correspondence in  
Welsh and English.

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Wales no. 2366777. Registered office: Pentwyn Road,  
Nelson, Trebanos, Mid Glamorgan CF46 8LY

Byllyd yn cyswau golïebaeil yn y  
Cymraeg neu yn Saesneg.

Dŵr Cymru Cyl, cwmni cyfyngedig wedi gofrestru yng  
Rhydymor, Rhif 2366777. Swyddfa gofrestrdedig, Heol Pentwyn,  
Nelson, Trebanos, Morgannwg CF46 8LY

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creating a better place



Asiantaeth yr  
Amgylchedd Cymru  
Environment  
Agency Wales

**FAO Mr. S. J. Ball**  
The Vale Of Glamorgan Council  
Dock Office  
Barry Docks  
Barry  
CF63 4RT

**Ein cyf/Our ref:** SE/2011/114437/02-L01  
**Eich cyf/Your ref:**  
P/DC/SJB/2011/00812/FUL

**Dyddiad/Date:** 10 October 2011

Annwyl / Dear Mr. Ball,

**DRILL AND TEST THE INSITU LOWER LIMESTONE SHALE AND ASSOCIATED STRATA FOR THE PRESENCE OF GAS AT UNIT 1, LLANDOW INDUSTRIAL ESTATE, LLANDOW**

Thank you for your letter, dated 30 September 2011, requesting further comments on the above application.

As you are aware, we responded to this application (your ref: 2011/00812/FUL) on 12 September 2011 (our ref: SE/2011/114437/01-L01) stating that we do not have any objection to the proposal, as submitted, on the proviso that our requested planning conditions are included on any planning permission granted.

Given that the proposed plans have not changed, we have no further comments or advice to offer at this stage. We are aware of the local publicity and increasing concerns regarding the issue of fracking, however, this application is for one exploratory borehole for the purpose of testing and analysis. We are satisfied that that all matters within our environmental remit can be satisfied through the relevant planning measures.

Should the operator wish to expand activities and commercially extract shale gas then we wish to be reconciled on any future planning application. Further assessment will also be required to establish whether related operations require an environmental permit and/or abstraction license.

We trust our advice is clear, but please get in touch if you have any queries.

Yn gywir / Yours faithfully,

**Mr. Gwion Thorpe**  
**Planning Liaison Officer / Swyddog Cynllunio**

Asiantaeth yr Amgylchedd Cymru/Environment Agency Wales  
St. Mellons Business Park (Rivers House) Fortran Road, St. Mellons, Cardiff, CF3 0EY.  
Llinell gwasanaethau cwsmeriaid/Customer services line:

Cont'd..



INVESTOR IN PEOPLE

Rec'd after decision issued for

## Llantwit Major Town Council

*Cyngor Tref y Llanilltud Fawr*



Telephone; [REDACTED]  
Fax; [REDACTED]  
Email; [REDACTED]  
Vat no; [REDACTED]

Town Hall  
Llantwit Major  
Vale of Glamorgan  
CF61 1SD

Your reference;

Our reference;

14<sup>th</sup> October 2011

Mr R Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Barry  
Vale of Glamorgan  
CF63 4RU

Dear Mr Thomas

**Re: Planning Application 2011/00812/FUL**

**Drill and test the insitu lower limestone and associated strata for the presence of gas**

With reference to the above planning application, a Special Full Town Council meeting was held on 13<sup>th</sup> October 2011, where it was resolved that I write and express the Town Council **OBJECTIONS** to the planning application.

The Town Council **OBJECTS** to the planning application on the grounds that the test drilling will affect the tourism in the area especially with the Eisteddfod due to the area in 2012, where many visitors would hopefully return to visit again. The Town Council feels that with the above in place this would deter visitors returning. Another concern raised was the loss of employment within the area if this application were to proceed. It was felt that this would result in many businesses on the Llandow Industrial Estate either closing or moving from the area, and with no clear indication as to the number of people the above would employ it is believed this would lead many local people being out of work.

Other concerns raised were the amount of extra traffic generated whilst both 'building' works are taking place, and any that would be needed to service the site after. These vehicles would be of a heavy duty size and it is felt that the road network in the area would not be able to cope with the extra volume, especially through Llysworney village. Also the cost of housing in the area would




be affect with this 'drill' in place and many local residents would be affected by this. After all this area of the Vale of Glamorgan is a rural area and is not really suitable for this type of industry.

To conclude I would ask that Llantwit Major Town Council's OBJECTIONS to the above project is presented to the Planning Committee, when it next meets to discuss this.

If you have any queries please do not hesitate to contact me.

Yours sincerely



R E Quinn (Mrs)

Town Clerk



Dŵr Cymru  
Welsh Water

Developer Services  
PO Box 3146  
Cardiff  
CF30 0EH

Gwasanaethau Datblygu  
Blwch Post 3146  
Caerdydd  
CF30 0EH

Tel: [REDACTED]  
Fax: [REDACTED]  
E-mail: [REDACTED]

Ffôn: [REDACTED]  
Ffacs: [REDACTED]  
E-bost: [REDACTED]

The Vale of Glamorgan Council  
Dock Office  
Barry Docks  
Barry  
CF63 4RT

Your ref 11/00115/FUL  
Our ref NDC/MDE/VOG/20  
Enquiries Maria Evans  
Direct Line (01443)331123

**For the attention of Mr S J Ball**

19 October 2011

Dear Sir

**Re: Unit 1 Llandow Industrial Estate, Cowbridge CF40 1SJ  
Drill and test the insitu lower limestone shale and associated strata**

We write further to our letter dated 11 October 2011 and following the receipt of additional information provided by the developer Coastal Oil and Gas Limited we reply as follows:

We note that it is intended to use only approved drilling fluids and that drilling fluid losses will be monitored during the drilling process. However, we believe that there is a very small risk of contamination of our reserve groundwater sites in the Vale of Glamorgan from the proposed exploratory drilling. If there is an excessive loss of drilling fluid to the aquifer during the drilling procedure due to unforeseen geological features being met, then this level of risk increases.

We expect the Environment Agency to consider the vulnerability of our groundwater sources and wider impact upon the water environment as part of their permitting process

We hope the above is satisfactory, however should you require further assistance please do not hesitate to contact us.

Yours faithfully

[REDACTED]  
**Maria Evans  
Developer Services**

**glas**

Glas Cymru Cyfyngedig

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Mae Dŵr Cymru yn eiddo i Glas Cymru - cwmni heb elw.

We welcome correspondence in  
Welsh and English.

Dŵr Cymru Cyl, a limited company is registered in  
Wales no. 2366777. Registered office: Pen-y-wr Road,

Bydych chi'n dderbyn gwybodaeth yn y  
Cymraeg neu yn Saesneg.

Dŵr Cymru Cyl, cwmni cyfyngedig wedi'i gofrestru yng  
Ngwynedd ydych chi'n 2366777. Swyddfa gofrestrig: Heol Pen-y-wr,

# Dinas Powys Community Council

## Cyngor Cymuned Dinas Powys

Swyddfa'r Cyngor

Neuadd y Plwyf

2 Heol Britway

Dinas Powys

Brô Morgannwg

CF64 4AF

Ffôn

Ebost:

Mr. D. R. Thomas

Head of Planning & Transportation

The Vale of Glamorgan Council

Dock Offices, Barry Docks

BARRY, Vale of Glamorgan CF63 4RT



Council Office

Parish Hall

2 Britway Road

Dinas Powys

Vale of Glamorgan

CF64 4AF

Telephone

Email

18<sup>th</sup> October 2011

Dear Sir,

RE: **PLANNING APPLICATION NO. 2011/00812/FUL - LLANDOW INDUSTRIAL ESTATE -  
DRILL AND TEST FOR THE PRESENCE OF SHALE GAS**

Although Dinas Powys Community Council has not been invited to comment on the above application, Councillors are keen to let the Planning Committee know how extremely concerned they are of the effect that the drilling and exploration for shale gas could have on the environment across the whole of the Vale now that it is being reported that shale gas could be present from Swansea through to Cardiff.

The process of drilling down, creating tiny explosions to shatter and crack hard shale rocks to release the gas inside which is assisted by the pumping of a liquid cocktail of water, chemical and sand into rock under high pressure to release methane gas, represents real and substantial risks to people, the environment groundwater and water supplies.

In light of the suspension of operations and pending investigation at the Cuadrilla Site in Lancashire near Blackpool following two small earthquakes of 1.5 and 2.2 magnitude while fracking operations were ongoing, it is clear that there is a need to appraise all the evidence before any agreement is given to drilling operations at Llandow.

The EU, Planning Policy Wales and The Tyndall Centre all advocate precaution in authorising projects which carry significant risks and are insufficiently understood.

The US Environmental Protection Agency has launched a research programme to improve understanding of the risk with initial results expected towards the end of 2012.

The UK Energy and Climate Change Parliamentary Select Committee Inquiry has recommended that on balance there should be a moratorium on shale gas exploration.

France has also banned fracking and the German State of North Rhine Westphalia has recently called for a halt to plans for fracking.

As our regulators seem to be hopelessly ill-prepared for the rapid development of shale gas exploration in the UK, Dinas Powys Community Council therefore urges the Planning Committee to refuse this application and call for a moratorium on any activity in the Vale.

Hopefully this decision albeit not on sound planning principles will result in an Appeal to the Welsh Government which hopefully will lead to the Department of Energy and Climate Change calling for a UK moratorium on shale gas exploration until such time that there has been an appraisal of all worldwide evidence, a full risk assessment and the appropriateness of the current regulatory framework has been established.

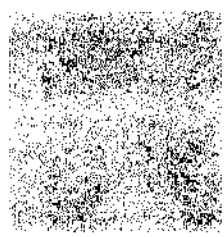
Yours faithfully

F. A. BUTLER (MRS)

Acting Clerk



# QUESTION 15g



QUESTION  
15g

**TOWN AND COUNTRY PLANNING (GENERAL DEVELOPMENT PROCEDURE) ORDER, 1995**  
**GORCHYMYN CYNLLUNIO GWLAD A THREF (TREFN DATBLYGIAD CYFFREDINOL) 1995**

**DEVELOPMENT THAT MAY BE OF GENERAL PUBLIC INTEREST**  
**DATBLYGIAD A ALLAI FOD O DDIDDORDEB CYFFREDINOL I'R CYHOEDD**

NOTICE is given that the following planning application may be of general public interest:

HYSBYSIR trwy hyn y gallai'r cais canlynol am ganiatâd cynllunio fod o ddiddordeb cyffredinol i'r cyhoedd ac iddo gael ei gyflwyno:

By/Gan: Coastal Oil and Gas Limited,

Proposal/Cynnig: **Drill and test the insitu lower limestone and associated strata for the presence of gas**

Location/Lleoliad: Unit 1, Llandow Industrial Estate, Llandow

The application documents are available for inspection during normal office hours (8.30 a.m. to 5.00 p.m. Monday to Thursday; 8.30 a.m. to 4.30 p.m. Friday) at **The Dock Office, Barry Docks, Barry.**

The proposals can also be viewed on the Council's Online Applications Register at <http://vog.planning-register.co.uk> by searching for application number 2011/00812/FUL.

Anyone who wishes to make representations about this application should write to the Head of Planning and Transportation at *The Vale of Glamorgan Council, Dock Office, Barry Docks, Barry. CF63 4RT*, **within 21 days of the date of this notice**, quoting reference 2011/00812/FUL.

Cewch weld y dogfennau ymgeisio yn ystod oriau swyddfa arferol (8.30 a.m. - 5.00 p.m. rhwng dydd Llun a dydd Iau; 8.30 a.m. - 4.30 p.m. ar ddydd Gwener) yn **Swyddfa'r Doc, Dociau'r Barri, y Barri.**

Cewch hefyd weld y cynigion ar Gofrestr Ceisiadau Ar-lein y Cyngor drwy fynd i <http://vog.planning-register.co.uk> a chwilio am rif y cais 2011/00812/FUL.

Dylai unrhyw un sydd am wneud sylwadau ar y cais ysgrifennu at Bennaeth Adran Cynllunio a Chludiant y cyngor, *Cyngor Bro Morgannwg, Swyddfa'r Doc, Dociau'r Barri, y Barri, CF63 4RT*, **cyn pen 21 o ddiwrnodau ar ôl dyddiad y hysbysiad hwn**, gan ddyfynnu'r cyfeirnod 2011/00812/FUL

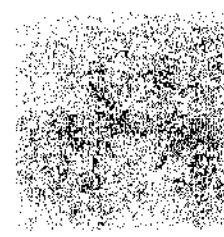
Dated/Dyddiad: 22 August 2011



Head of Planning and Transportation  
Pennaeth Cynllunio a Chludiant



# QUESTION 16b i



QUESTION  
16b i

Date/Dyddiad: 16 January 2012

The Vale of Glamorgan Council  
Dock Office, Barry Docks, Barry CF63 4RT  
Tel: (01446) 700111

VALE of GLAMORGAN

Ask for/Gofynwch am: Mrs. Lisa Chichester

Telephone/Rhif ffon: (01446) 704691

Fax/Ffacs: (01446) 704847

Your Ref/Eich Cyf: APP/Z6950/A/11/2167112

My Ref/Cyf: P/DC/LMC/2011/00812/FUL

e-mail/e-bost: LMChichester@valeofglamorgan.gov.uk

Cyngor Bro Morgannwg  
Swyddfa'r Doc, Dociau'r Barri, Y Barri CF63 4RT  
Ffôn: (01446) 700111

[www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)



## SEE ATTACHED DISTRIBUTION LIST

Dear Sir/Madam,

### TOWN AND COUNTRY PLANNING ACT 1990 (AS AMENDED) - SECTION 78 APPEAL

APPLICATION NO.: 2011/00812/FUL  
SITE: UNIT 1, LLANDOW INDUSTRIAL ESTATE, LLANDOW  
PROPOSAL: DRILL AND TEST THE INSITU LOWER LIMESTONE AND ASSOCIATED STRATA FOR THE PRESENCE OF GAS  
APPEAL BY: COASTAL OIL AND GAS LIMITED,

I am writing to inform you that an appeal has been made to the Planning Inspectorate in respect of the above site. The appeal follows the decision of this Council to refuse planning permission for the development described above. The appeal is to be determined on the basis of a PUBLIC INQUIRY. Once the date and venue is known you will be notified again.

For your information, I can confirm that you may attend the Inquiry (or arrange for someone to attend on your behalf) and may state your views verbally at the discretion of the Inspector. Alternatively, you may submit your views in writing, in which case you should note that they will be disclosed to the appeal parties and may be read out at the Inquiry.

Any written comments that you may have already submitted on the planning application have been forwarded to the Planning Inspectorate and copied to the appellant, and will be taken into account by the Inspector in determining the appeal. If you wish to make any representations, you should use the enclosed forms and send these direct to **The Planning Inspectorate, Crown Buildings, Cathays Park, Cardiff, CF10 3NQ**, quoting their reference **APP/Z6950/A/11/2167112**. You can also make your representations on-line at [www.planningportal.gov.uk](http://www.planningportal.gov.uk). Such comments must be submitted no later than **14 February 2012**. Any representations received after the deadline will not normally be seen by the Inspector and will be returned to you. **Please note all representations will be published on the Planning Portal website.**

A copy of the appeal decision can be viewed on-line at [www.pcs.planningportal.gov.uk/pcsportal/casesearch.asp](http://www.pcs.planningportal.gov.uk/pcsportal/casesearch.asp) or obtained by making a request in writing to The Planning Inspectorate at the address given above. If you wish to inspect any document in connection with this appeal, these are available to view on-line at the Planning Portal website. Alternatively, please contact my

Correspondence is welcomed in Welsh or English/Croesawir Gohebiaeth yn y Gymraeg neu yn Saesneg

John Maitland Evans, Chief Executive/Prif Weithredwr  
Directors/Cyfarwyddwyr: Stan Davies, Finance, ICT & Property Services/Cyllid, TGC ac Eiddo; Peter Evans, Legal, Public Protection and Housing Services / Gwasanaethau Cyfreithnol, Amddiffyn y Cyhoedd a Thai;  
Bryan Jeffreys, Learning & Development/Dysgu a Datblygu; Rob Quick, Environmental & Economic Regeneration/Adnewyddu Amgylcheddol ac Economaidd;  
Phil Evans, Social Services/Gwasanaethau Cymdeithasol

Appeals Officer, Mrs. Justina Moss on 01446 704690, or Lisa Chichester, on 01446 704691.

Yours faithfully,



Head of Planning and Transportation

Correspondence is welcomed in Welsh or English/Croesawir Gohebiaeth yn y Gynraeg neu yn Saesneg

John Maitland Evans, Chief Executive/Prif Weithreder  
Directors/Cyfarwyddwyr: Sian Davies, Finance, ICT & Property Services/Cyllid, FGC ac Eiddo' Peter Evans, Legal, Public Protection and Housing Services /  
Gwasanaethau Cylreithiol Amddiffyn y Cyhoedd a Thafel  
Bryan Jeffreys, Learning & Development/Dysgu a Datblygu; Rob Quick, Environmental & Economic Regeneration/Adnewyddu Amgylcheddol ac  
Economaidd,  
Phil Evans, Social Services/Gwasanaethau Cymdeithasol



Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
T Cole	Mayfield Sigingstone CF71 7LP	16/1/12
Dylan Parsons	Brambles Cottage Grove Road Llandow CF71 7NY	
Sian Apjohn Williams	Ty Canol Llandow CF71 7NU	
D Hopkins	The Old Malthouse Sigingstone Cowbridge CF71 7LP	
R & J Morgan	Treetops Nash CF71 7AS	
E & A Mitchem	Peterswell Cowbridge Road Llantwit Major CF61 2YS	
Patrick Terrett	Ourown Designs Unit 21 k, Vale Business Park Llandow CF71 7PF	
Richrd Downs	Ty Hir Sigingstone Cowbridge CF71 7LP	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Jamie Murray	BMC Digital Ltd 8b Lancaster House Vale Business Park CF71 7PF	
R & V Jasinski	5 Orchard Close Sigingstone Cowbridge CF71 7LY	
Mr Griffiths	149 Albany Road Cardiff CF24 3NT	
Kate Hawkins	8 Grove Road Llandow Cowbridge CF71 7NY	
Christine Bennett	The Cottage Llandow Cowbridge CF71 7NT	
Annie Paine	7 Fitzhamon Avenue Llantwit Major CF61 1TN	
Siriol Jenkins-Hill	4 Heol y Nant Llandow CF71 7PE	
Roger Bolter	Sheepleys Llandow Cowbridge CF71 7PA	
Mr R Harris	Cartref Llandow Village Cowbridge CF71 7NT	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Liz Millward	79 Llanmaes Road Llantwit Major CF61 2XE	
Emily Francis	Marcross Court Marcross CF61 1ZD	
Lisa Casson	42 Fitzhamon Avenue Llantwit Major CF61 1TP	
J & A Sunderland	Hazel Wood Glue Pot Ridge Llandow CF71 7PY	
Peter D Williams	8 Colhugh Park Llantwit Major CF61 1RU	
Liam Foy	Southmead Wick Road Halt Cowbridge CF71 7PY	
Sharon McKinley	Brambles Cottage Grove Road Llandow CF71 7NY	
P J Davies	3 The Bungalows Coychurch Rd Gardens Bridgend CF71 3AT	
Dr C Edwards	The Chase Llandow Cowbridge CF71 7NT	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
C Cook	Ty Tarw Llandow Cowbridge CF71 7NT	
G Smith	The Wardens Caravan Llandow Caravan Park Llandow CF71 7PB	
E & B Thomas	Ashtree Lodge Heol y Nant Llandow CF71 7NT	
D Newman	4 Maes y Felin Llandow Cowbridge CF71 7PD	
F & A Gandy	5 East View Llandow Village CF71 7NZ	
P & J Grehan	The Paddocks Bonvilston CF5 6TQ	
J Downs	Ty Hir Sigingstone Cowbridge CF71 7LP	
Owner/Occupier	5 Tudor Place Llantwit Major CF61 1TL	
J Evans	Moorshead Farm Sigingstone CF71 7LP	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
C Crawley	The Gables Llandow CF71 7NT	
M Jenkins	4 New Cottages Flemingstone CF62 4QG	
Mr & Mrs Wheeler	Robinswood Sigingstone Cowbridge CF71 7LP	
D Roberts	Hunters Moon Sigingstone Cowbridge CF71 7LP	
Owner/Occupier	2 Orchard Close Sigingstone Cowbridge CF71 7LY	
Silmix Ltd	Unit 22 Vale Business Park Llandow CF71 7PF	
Mrs K Williams	Vale Physiotherapy Hafod y Fro Sigingstone Cowbridge CF71 7LP	
Mr and Mrs Williams	Hafod Y Fro Sigingstone Cowbridge Vale of Glamorgan CF71 7LP	
M Dunn and G Dunn	Cherees Grove Road Llandow Cowbridge CF71 7NY	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
A John	Elizabeth-Ann Children's Wear Limited Unit 21D Vale Business Park Cowbridge CF71 7PF	
C Collins	c/o 75 Eastgate Cowbridge Vale of Glamorgan CF71 7AA	
Lesley Ward	Minack 8 Ty Draw Llandow Vale of Glamorgan CF71 7NW	
Mr and Mrs Dunn	Greenacres Grove Road Llandow Nr Cowbridge CF71 7NY	
Alan Carr	The Old Vicarage Colwinston Vale of Glamorgan CF71 7NG	
Mrs D and T Allen	Carmel Llandow Vale of Glamorgan	
M James	6 Grove Road Llandow Cowbridge Vale of Glamorgan CF71 7NY	
Mrs Claire Collins	Fich and Ramous 75 Eastgate Cowbridge CF71 7AA	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Tudor Phillips	Great House Llandow Cowbridge Vale of Glamorgan CF71 7NT	
Miranda John	9 Middlegate Court Cowbridge CF71 7EF	
Alan Biddiscombe	Ty Tarw Llandow Cowbridge CF71 7NT	
M and K Dewhurst	The Lodge 1 Coed Masarnen Colwinston CF71 7NG	
W W Howell	2 Orchard Close Sigingston Cowbridge CF71 7LY	
Dr D and Mrs A Pattinson	Glenbrook Llandow Village Cowbridge CF71 7NT	
The Owner/Occupier	Contar Unit 62, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	UCMS Unit 63, Vale Business Park, Llandow, CF71 7PF	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
The Owner/Occupier	Solideal Unit 64-64, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Goodlife Rehab Products Ltd Unit 66-68, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Boston Designs Ltd Unit 69-71, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Richard Couzens Machinery Ltd Unit 10A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	A.P. Engineering Unit 13-14, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 5, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 7B, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Vale Motor Cycle Spares Unit 7D, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	JAB Engineering Unit 4, Vale Business Park, Llandow, CF71 7PF	



Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
The Owner/Occupier	Print direct Unit 6, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 6, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Magnet & Steel Unit 6, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Specbody Products Ltd Unit 3-3A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	R & T Fabircations Ltd Unit 20A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Riverlea Tractors Ltd Unit 30, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 24, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Holtrade UK Ltd Unit 23, Vale Business Park, Llandow, CF71 7PF	
Amanda Summers	2 Tyle House Close Llanmaes Vale of Glamorgan CF61 2XZ	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
D E Williams	Nash Manor Nash Cowbridge CF71 7NS	
Alastair McQuaid	The Pheasant House Nash Manor Cowbridge CF71 7NS	
Mr and Mrs Ford	Tynyaia Farm Sutton Llandow CF71 7PA	
R Bradshaw	Mill Brow Brookfield Park Road Cowbridge CF71 7HJ	
R Denham	Twmbarlwm Grove Road Llandow CF71 7NY	
Dr R P Sheppard	Suffolk House Chapel Road Broughton Cowbridge CF71 7QR	
Kim Davis and Peter Davis	1 Maes Y Felin Llandow Vale of Glamorgan CF71 7PD	
G Sanders and C Sanders	Ravenswood Farm Bonvilston Nr Cardiff CF5 6TR	
G Squance	Heat Exchanger Services Wales Unit 21h, Vale Business Park Llandow CF71 7PF	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Mrs S McCulloch	17 Trebeferad Boverton Llantwit Major CF61 1UW	
C Pedersen	22 Church Hill Close Llanblethian Cowbridge CF71 7JH	
Jeremy Edgar	Topstak Chimney Specialists Ltd, Unit 42 Vale Business Park Cowbridge CF71 7PF	
Mr & Mrs Robinson	2 Waun Gron Llantwit Major CF61 2SF	
V Finucare	Tara House Llysworney Cowbridge CF71 7NQ	
S Harrop	Outwood 5 Heol y Nant Llandow Cowbridge CF71 7PE	
C Richards	1 Fairfield Crescent Llantwit Major CF61 2XJ	
Mr & Mrs Cartwright	21 Wordsworth Close Llantwit Major CF61 1WZ	
The Owner/Occupier	Unit 23, Vale Business Park, Llandow, CF71 7PF	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
The Owner/Occupier	Buy Memory Cards Unit 8B, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Journey Seminars Ltd Unit 8, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	P & H Mechanical Services Unit 8A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Radio Telecom Unit 9A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Pam Owen Soft Furnishings Block 9, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Kentbury Ltd Unit 9/2, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Aquity Unit 9/8 A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 9, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Block 9, Vale Business Park, Llandow, CF71 7PF	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
The Owner/Occupier	Sort & Save Unit 2, Vale Business Park, Llandow, CF71 7PA	
The Owner/Occupier	Owen Fuels Unit 34, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Peak Performance Unit 19A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Caravan Sales Ltd Unit 33, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 35, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Littlejohn Unit 35C, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 35A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Cherish Cymru Unit 17, Vale Business Park, Llandow, CF71 7PF	
Mr. & Mrs. Bowers,	Six Wells Farmhouse, Vale Business Park, Llandow, CF71 7PF	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
The Owner/Occupier	Owens Motor Services Unit 12A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	M.N. Products Ltd Unit 12, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Celectron Printing Ltd Unit 18-18A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Snaffles Saddlery Unit 11A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Sarah Renwick Ltd Unit 11B, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Rathkeys Ltd Unit 29, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 32, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	U.K. Games Ltd Unit 38, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Cleaning Supplies Unit 31A, Vale Business Park, Llandow, CF71 7PF	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
The Owner/Occupier	Unit 31A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 7E, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	A.S. Lloyd Ltd Unit 31, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 27G-27H, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Aztec Joinery Unit 27B, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Hire One Ltd Unit 27A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Glamorgan Welding Services Unit 27C, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Got Boost Unit 27D, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	A1 Awnings Unit 27E, Vale Business Park, Llandow, CF71 7PF	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
The Owner/Occupier	International Aerospace Asia Ltd Unit 36, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	G.P.A. Advertising Unit 39, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Bearcat Auto Trad Unit 39D, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 39C, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Window Opening Systems E-Tec Ltd Unit 39B, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Shoreline Ltd Unit 39A, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Creative Liason Group Unit 39E, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Airtec Sealing Unit 39F, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Robez Unit 45, Vale Business Park, Llandow, CF71 7PF	



Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
H L Griffiths	Microcare Int. Unit 46, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Paul Hefford Unit 47, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Metallic Mining Ltd Unit 54, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Ultra Packaging UK Unit 50, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Cambrit Blun UK Ltd Unit 55, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Lausco Services Unit 58-59, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Woodspec Joinery Specialists Unit 40E, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	KMS Unit 40F, Vale Business Park, Llandow. CF71 7PF	
The Owner/Occupier	Vale of Glamorgan Delivery Office, Vale Business Park, Llandow. CF71 7PG	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
The Owner/Occupier	Royal Mail Vale of Glamorgan Delivery Office, Vale Business Park, Llandow. CF71 7PG	
The Owner/Occupier	D.G. Weaver Ltd Unit 40A-40B, Vale Business Park, Llandow. CF71 7PF	
The Owner/Occupier	Print Direct Ltd Unit 40C-40D, Vale Business Park, Llandow. CF71 7PF	
The Owner/Occupiers	Llanquian House, St. Athan Road, Cowbridge, Vale of Glamorgan. CF71 7EQ	
Mr. & Mrs Llewyllyn,	Morfa Farm, Morfa Lane, Llantwit Major, Vale of Glamorgan. CF61 2YT	
A. Llewellyn,	Whitemoors, Morfa Lane, Llantwit Major, Vale of Glamorgan. CF61 2YT	
Georgina Glover,	2 Morfa Cottages, Morfa Lane, Llantwit Major, Vale of Glamorgan. CF61 2YT	
Sian Davies,	Ty Rhos, The Downs, St. Nicholas	
Mr. & Mrs Williams,	6 Heol Y Nant, Llandow Village, CF71 7PE	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
G. Davies,	6 The Malthouse, Water Street, Broughton, CF71 7QR	
Mr. C. Payne,	Pen Y Garreg, Piccadilly, Llanblethian CF71 7JL	
Mrs. E. L. Hunter,	10 River View Court, Llandaff, Cardiff. CF5 2QJ	
Ben Dineen,	42 Fitzhamon Avenue, Llantwit Major, CF61 1TP	
Jane Sloper,	27 Glyndwr Avenue, St. Athan, CF62 4PP	
Mr. & Mrs. Kerr,	7 Orchard Lodge, Boverton, Llantwit Major, CF61 1UH	
Liz Millward,	79 Llanmaes Road, Llantwit Major, Vale of Glamorgan. CF61 2XE	
Gareth Davies,	Westmoor Farm, Slatter Lane, Llysworney, CF71 7NQ	
Sarah Brennan,	8 Caer Ty Clwyd, Llantwit Major, Vale of Glamorgan. CF61 2SQ	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Steve Hayward,	Bramble Cottage, Llantwit Major, Vale of Glamorgan. CF61 1RL	
Mr. & Mrs Beames,	Acreway Cottage, Church Lane, St. Athan, CF62 4PL	
Mr. R. Thomas,	1 Redgate Terrace, Groesfaen, Pontyclun, CF72 8NN	
Louise Sanderson,	11 Clos-y-Wiwer, Llantwit Major, Vale of Glamorgan. CF61 2SG	
Theresa Godwin,	1 Four Acre, Llantwit Major, CF61 2XN	
Gareth Edward Clark	22 Pennsylvania Llanederyn Cardiff CF23 9LN	
Mr & Mrs Evans	Marcross Farm, Marcross Llantwit Major CF61 1ZG	
David B Francis	Gas Maintenance & Service Unit 21c, Vale Business Park Llandow CF71 7PF	
Tony Evans	Llandow Circuit Llandow Cowbridge CF71 7PB	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
CJ Edwards	Ty Maen Farm Colwinston CF71 7NL	
Owner/Occupier	The Elms Nash Cowbridge CF71 7NS	
Mr. T. Orrell,	10 Mishin Crescent, Pontyclun, CF72 8JL	
Mr. G M Snowden,	19 Greys Drive, Llantwit Major, CF61 1UQ	
Mr. & Mrs Parry,	29 Wimbourne Close, Llantwit Major, CF61 1QW	
Mr. & Mrs. Beckwith,	Westgarth, Siginstone, Cowbridge, CF71 7LP	
Joanne Downes,	30 Stallcourt Avenue, Llantwit Major, Vale of Glamorgan. CF61 1TE	
N. Higgins,	Ty Enfys, Fairfield Close, Llantwit Major, Vale of Glamorgan. CF61 2XL	
Mr. & Mrs. Smith,	7 Grove Road, Llandow, CF71 7NY	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Catrin O'Neill,	Tir Abad, Dimlands Road, Llantwit Major, Vale of Glamorgan. CF61 1YX	
Mr. Owen Davies,	Beechcroft, 5 Coed Masarnen, Colwinston, CF71 7NG	
Mr. & Mrs. Bradshaw,	18 Talyfan Close, Cowbridge, CF71 7HT	
Mr. G. Strangmore Jones,	26 Heol Tre Forys, Penarth, Vale of Glamorgan. CF64 3RE	
Mr. & Mrs. Bowers,	Six Wells Farmhouse, Vale Business Park, Llandow, Cowbridge, CF71 7PF	
The Owner/Occupier	Via Email Only Email Notification	
Alun Cairns MP	29 High Street Barry Vale of Glamorgan CF62 7EB	
Jane Hutt AM	National Assembly for Wales Cardiff Bay Cardiff CF99 1NA	
Fran Thrower	11 Shakespeare Avenue Penarth CF64 2RU	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Mr J R Jones	37 Mill Lane Warton Preston Lancashire PR4 1AQ	
Amanda Ryan	28 Grove Terrace Penarth CF64 2NG	
J and L Clarke	The Old Vicarage St.Donats Llantwit Major CF61 1ZB	
The Occupier	8, Anglesey Close, Llantwit Major, CF61 2GF	
E & T Bennett	Midwell, West End, Llantwit Major, CF61 1SL	
Judith Downs	Ty Hir, Sigingstone, Cowbridge, CF71 7LP	
J & A Sunderland	Hazel Wood, Glue Pot Bridge, Llandow, Cowbridge, CF71 7PY	
S Apjohn-Williams	Ty Canol, Llandow, Cowbridge, CF71 7NU	
Mr A John	Elizabeth-Anne Children's Wear Ltd, 21D Vale Business Park, Llandow, CF71 7PF	

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Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Mr R Downs	Ty Hir, Sigingstone, Cowbridge, Vale of Glamorgan, CF71 7LP	
Alan Crossley	Gnoll House Nash Manor Gardens CF71 7NS	
Rachel Downs	Ty Hir Sigingstone Cowbridge CF71 7LP	
Philip Downs	Ty Hir Sigingstone Cowbridge CF71 7LP	
Catrin Howkins	Keepers Lodge The Herberts St Mary Church CF71 7LT	
Mrs . J. Thomas,	White Lodge, Llysworney, CF71 7NQ	
Cathy Bryant,	Pant Caredig, Llysworney, CF71 7NQ	
Dr Phillip Harrington	Grove Farmhouse, Sutton Road, Llandow, CF71 7PA	



Appeals Notifications Distribution List

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Mrs. S. James	1 Carne Terrace, Llysworney, CF71 7LN	
Mr. & Mrs. Williams,	Blossom Hill, Sutton Road, Llandow, CF71 7PA	
Mr. & Mrs. Sloan,	Orchard Cottage, Llysworney, CF71 7NQ	
Wendy Tooze,	4 Ty Draw Road, Llandow, CF71 7NW	
T.C. Ward,	8 Ty Draw Road, Llandow, CF71 7NW	
Tim Draper & Karen Gray,	7 Colhugh Street, Llantwit Major, CF61 1RE	
C. Phillips,	Great House, Llandow, CF71 7NT	
Robert Donnelly,	Flat 4 77 Connaught Road, Cardiff CF24 3PX	
Mike James,	The Lodge, Llandow, CF71 7PX	

Appeals Notifications Distribution List

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Katrina Ace,	Bridge Cottage, Llandow, CF71 7NU	
Michael Griffiths,	Nash Mannor Gardens, Cowbridge, CF71 7NS	
The Owners/Occupiers	4 Orchard Close, Siginstone, Cowbridge, CF71 7LY	
Rhodri Phillips,	38 Greenway Court, Barry, Vale of Glamorgan. CF63 2FE	
Robert Brown	Rosann, 93 Boverton Road, Llantwit Major, Vale of Glamorgan. CF61 1YA	
Emma & Robert Bunston	18 Boverton Court, Llantwit Major, Vale of Glamorgan. CF61 1UJ	
Ceri Ellerton,	7 Boverton Court, Llantwit Major, Vale of Glamorgan. CF61 1UJ	
Dr. Ian Johnson,	Celtic View, Harbour Road, Barry, Vale of Glamorgan. CF62 5SA	
Carol Brown,	Field View Cottage, Colwinston, CF71 7NN	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
M Holley	9 Cae Rex Cowbridge CF71 7JS	
Judith Downs	Ty Hir Sigginstone Cowbridge CF71 7LP	
S Doyle	8 Voss Park Drive Llantwit Major VF61 1YD	
Steve Williams	3 Mill Park Cownridge CF71 7BG	
Sarah Joseph	29 Eastgate Cowbridge CF71 7EL	
Dermot Nicholson	29 Eastgate Cowbridge CF71 7EL	
Mair Decker	9 Cwrt y Felin Wick CF31 7QT	
Nigel Griffiths	16 Llanmaes Road Llantwit Major CF61 2XF	
Sharon Griffiths	16 Llanmaes Road Llantwit Major CF61 2XF	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Lisa Brown	93 Boverton Road Llantwit Major CF61 1YA	
Eileen Knight	4 Millfield Drive Cowbridge CF71 7BR	
Paul Knight	4 Millfield Drive Cowbridge CF71 7BR	
P & R Davies	11 Bowmans Way Cowbridge CF71 7AW	
M Stoneham	92 Millfield Drive Cowbridge CF71 7BR	
Nick Meyrick	51 Marine Drive Barry CF62 6QP	
Rob McGhee	Transition Cowbridge The Flat, Caer Castell Cowbridge CF71 7JR	
Mrs B Morgan	Gorseley Ridge Ham Lane South Llantwit Major CF61 1RN	
Mrs B Hodges	Greenfields Eagleswell Road Boverton CF61 1UF	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
M Delaney	2 Vincent Close Barry CF63 2AG	
Mrs R Deere	Ogneydell Flanders Road Llantwit Major CF61 1RL	
Mrs C Liscombe	Channel View Farm Marcross CF61 1ZG	
Mrs S George	5 Hillhead Cottages Church Lane Llantwit Major CF61 1SF	
Mrs H George	5 Hillhead Cottages Church Lane Llantwit Major CF61 1SF	
L Clease	Frolics Farmhouse Llanmaes CF62 2XR	
T Clease	Frolics Farmhouse Llanmaes CF62 2XR	
N Stockdale	Cross Barn Llysworney CF71 7NQ	
T G Davies	Broadgate Colwinston CF71 7ND	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
D Wescott	11 Clos Ogney Llantwit Major CF61 2SN	
L P Westcott	11 Clos Ogney Llantwit Major CF61 2SN	
K Westcott	11 Clos Ogney Llantwit Major CF61 2SN	
J R Jones	11 Clos Ogney Llantwit Major CF61 2SN	
Michael Griffiths	Latitude Architects, Ambury Nash Cowbridge CF71 7NS	
Dr Carin Harrington	The Grove Sutton Road Llandow CF71 7PA	
Clare Revera	5 Brig y Doin Hill Ogmore by Sea CF32 0PS	
Mr & Mrs Timmerman	7 Hillhead Llantwit Major CF61 1SF	
Robert Mark Tossell	Minack 8 Ty Draw Road Llandow CF71 7NW	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Tony Evans	Marcross Farm Marcross Llantwit Major CF61 1ZG	
Mary Jones	Llandow Circuit Llandow Cowbridge CF71 7PG	
Owner/Occupier	10 Wimbourne Close Llantwit Major CF61 1QW	
Ian Young	15 Tyle House Close Llanmaes CF61 2XZ	
Lesley Young	15 Tyle House Close Llanmaes CF61 2XZ	
C B Walker	9 Nant yr Adar Llantwit Major CF61 1TW	
I Benjuya	39 High Street Cowbridge CF71 7AE	
N H Todd	6 Nadh View Pentre Meyrick Cowbridge CF71 7RP	
E Plenty	26 Heol y Fro Llantwit Major CF61 2SA	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
T Plenty	26a Heol y Fro Llantwit Major CF61 2SA	
P & N Slevin	Silverdale Flemingston CF62 4QJ	
R Cowper	3 Ivor Street Barry CF62 5UL	
Mrs N Slevin	Blue Sky Ideals Flemingston CF62 4QJ	
D Williams	31 Boveerton Road Llantwit Major CF61 1YH	
G Crabb	Flat 1, Woodstock House High Street Cowbridge CF71 7AF	
Owner/Occupier	42 Voss Park Drive Llantwit Major CF61 1YE	
J Evans	2 Heol y Nant Llandow CF71 7PE	
M Jarvis	Delfan Factory Road Llanblethian CF71 7JD	



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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
G Haynes	St Quentin's House Cowbridge CF71 7JB	
M A Jones	Nirvana Castle Pricinct Llandough Cowbridge CF71 7LX	
G O Jones	Hirvana Castle Precinct Cowbridge CF71 7LX	
Cllr D Morris	64 Millfield Drive Cowbridge CF71 7BR	
J Wordley	47 Boverton Brook Llantwit Major CF61 1YH	
HL Edwards	TY Maen Farm Colwinsto Nr Cowbridge CF71 7NL	
L Jones	Crack Hill House Brocastle Farm Bridgend CF35 5AU	
J Edwards	Erw Las Colwinston Nr Cowbridge CF71 7NL	
Elizabeth Edwards	Ty Maen Farm Colwinston Nr Cowbridge CF71 7NL	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
L Hetherington	Erw Las Colwinston CF71 7NL	
R Liscombe	Channel View Farm Marcross CF61 1ZG	
J Williams	17 Ffordd Ddu Pyle Nr Bridgend CF33 6JG	
D Towle	Ty Coets Morfa Farm Llantwit Major CF61 2YT	
Mrs R Ilewelyn	Whitemoor Morfa Lane Llantwit Major CF61 2YT	
J & V Freeman	Foxlea Trehyngyll CF71 7TN	
A Thorogood	New Rollestone Farm Margaretting Road Writtle Essex CM1 3HG	
Dr D and Mrs R Hoskin	Broughton Court Broughton Cowbridge CF71 7QR	
R Clevett	Sixwells Farmhouse Vale Business Park Cowbridge CF71 7PF	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Nicola Williams	Llandow Classics Limited Unit 27A Vale Business Park Cowbridge CF71 7PF	
G Howells	61 Geraints Way Cowbridge CF71 7AY	
Cherry Cadwallader	Anchors Away Tair Croes Ewenny Vale of Glamorgan CF35 5AG	
Graham Owen	Greenfarm 5 Green Farm Sigingstone Cowbridge CF71 7LP	
M Richter	4 Ewenny Road Wick CF71 7QA	
D Campbell	Clawdd-Y- Mynach Farmhouse Monknash CF71 7QP	
M Evans	Birchgrove Llanmaes CF61 2QR	
Owen Griffiths	149 Albany Road Cardiff CF24 3NT	
Capt PM and Mrs D J Bowers	Six Wells Farmhouse Vale Business Park Cowbridge CF71 7PF	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
A B Davies	14 St Johns Close Cowbridge CF7 7HL	
Jame Williams Terry Williams	30 St Johns Close Cowbridge CF7 7HN	
Andrew Foyle	Virginia Cottage 3 Maendy Ganol Maendy Cowbridge CF71 7TH	
Mrs M Carrington	19 Wordsworth Close Llantwit Major CF611WZ	
Mrs C Goulden	Brynawel Crossways Cowbridge CF71 7LJ	
David and Pamela Owens	24 Geraints Way Cowbridge Vale of Glamorgan	
David Farrell	19 East View Llandow Cowbridge CF71 7NZ	
E B Hughes	East House Nash Manor Gardens Cowbridge CF71 7NS	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Miss T Raymond	New Forest House Ystradowen Cowbridge CF71 7SZ	
H Bhanaut	26 St Brides Road Wick CF71 7QB	
Alan Rogers	21 Llwyn-y-Groes Bridgend CF31 5AJ	
N & E Davies	26 Mary Street Aberdare CF44 7NF	
Isaac Benjuya	Anderson and Associates 39 High Street Cowbridge CF71 7AE	
Mari Griffith	Morannedd Colhugh Street Llantwit Major CF61 1RE	
Mrs P Ribbans	Bryn y Fro Nash Cowbridge CF71 7NS	
Mr Michael Webb	Annwyl Fan St Brides Road Wick Cowbridge CF71 7QB	
Mr A Deeves	11 Woodpecker Square St Athan CF62 4NB	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Matt Faulkner	10 Windmill Close Llantwit Major CF61 2SW	
M & H Sheldon	Little Paddock Church Street Llwysworney CF71 7NQ	
Mr D & Mrs R Pearce	Sunningdale College Terrace Llantwit Major CF61 1SE	
Mrs Janet Farthing	Felsted West Street Llantwit Major CF61 1SP	
Susan Clarke	Mintfield Buriel Lane Llantwit Major CF61 1SD	
Berry Smith Solicitors	Haywood House Dumfries Place Cardiff CF10 3GA	
Occupier/Owner	57 Cardigan Crescent Llantwit Major CF61 2GP	
Dr M L James Mrs J James	4 West End Terrace Llantwit Major CF61 1SN	
The Owner/Occupier	Communication Station, Sheepleys, Llandow, Cowbridge, CF71 7PA	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Corinne Johnson	1 Sutton Road, Llandow, CF71 7PA	
The Owner/Occupier	2 Sutton Road, Llandow, CF71 7PA	
The Owner/Occupier	The Grove, Sutton Road, LLandow, CF71 7PA	
The Owner/Occupier	Infographics Ltd, Unit 60-61, Vale Business Park, Llandow, CF71 7PF	
J Durrant	Franklin Court Llanmaes Llantwit Major CF61 2XR	
Dr R P Sheppard	Suffolk House Chapel Road Broughton Cowbridge CF71 7QR	
Saskia De Jong	Lecarrow Drumkeeran Co Leitrim Ireland	
Mrs Tyann Leonard	The Rectory Llandow Cowbridge CF71 7NT	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Kate Hawkins	8 Grove Road Llandow Cowbridge CF71 7NY	
M and I Leonard	Carralea Activity Centre Limited Corralea Belcoo BT93 5DZ	
Mrs S Tapp	16 Picton Court Llantwit Major CF61 2XP	
Mrs E Webb & Mr M P Webb	Annwyl Fan St Brides Road Wick Cowbridge CF71 7QB	
Sensor Techniques Limited	21G Vale Business Park Cowbridge CF71 7PF	
M Bourke	6 Ty Draw Llandow Cowbridge CF71 7NW	
Mr and Mrs Veck	Brynteg Nash Cowbridge CF71 7NA	
Mr Giles Herbert	9 Heol Sirhwi Cwm Talwg Barry CF62 7TG	
Cowbridge and Llanblethian	Residents Group c/o Chris Pearce 2 Darren Close Cowbridge CF71 7DE	



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Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Craig Roberts	Forgeside Forest Road Llanharry CF72 9JW	
The Owner/Occupier	Sensor Techniques Unit 21G, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	Unit 21F, Vale Business Park, Llandow, CF71 7PF	
The Owner/Occupier	A & G Auto Repairs Unit 21E, Vale Business Park, Llandow, CF71 7PF	
Thomas Russell,	4 East View, Llandow Village, CF71 7NZ	
Mrs. C. Wilson,	18 East View, Llandow Village, CF71 7NZ	
Mr D Farrell,	19 East View, Llandow Village, CF71 7NZ	
Mr Donovan,	6 Ham Lane East, Llantwit Major, CF61 1TQ	
Owner/Occupier	The Flat, Cae'r Castell, Porth Y Green Close, Cowbridge, CF71 7JR	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Ruth Lloyd,	20 Barons Close, Llantwit Major, CF61 1TD	
Mrs. B. James,	19 Barons Close, Llantwit Major, CF61 1TD	
Rhian Francis	The Place For Homes Ltd, Sutton Road, Llandow, CF71 7PA	
The Owner/Occupier	1 Sutton Road, Llandow, CF71 7PA	
John Hawking	Springfield Spray Ltd, Sutton Road, Llandow, CF71 7PA	
Louise & Sharon Evans,	Llandow Caravan Park Ltd, Llandow, CF71 7PB	
D. Wilton,	2 Pembroke Terrace, Penarth, Vale of Glamorgan. CF64 1DE	
Donal Whelan,	Hafod, St. Hilary, Cowbridge, CF71 7DP	
Mr. I James,	The Old Police Lodge, Sutton Road, Llandow, CF71 7PA	

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Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Mr. M. Hurst	Wolf House, Llysworney, CF71 7NQ	
Dr. Jonathan Durrant,	Moat Farm, Llysworney, CF71 7NQ	
Ben Dineen	42 Fitzhamon Road Llantwit Major CF61 1TP	
J Heden-Vaughan	9 Brunel Close Barry CF63 2AF	
Charlotte Dechamps	Six Wells Farmhouse Vale Business Park Llandow CF71 7PF	
R & C Bevan	2 Cwrt Llanfleiddan Cowbridge CF71 7JZ	
M & S Hamilton	6 Parc Wood Atlantic College CF61 1YY	
J M Steinveg	5 East Drive St Donats Llantwit Major CF61 1HJ	

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Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Stephanie Lau	Atlantic College St Donats College St Donats CF61 1WF	
Anita Charles	Byways Twyncyn Dinas Powys CF64 4AS	
Luke Miller	St Donats Castle St Donats Llantwit Major CF61 1WF	
Gareth Clark	Marcross Farm Llantwit Major CF61 1ZG	
Roy Jones	11 Bessant Close Cowbridge CF71 7HP	
Dawn Deschamps	Six Wells Farmhouse Llandow Cowbridge CF71 7PF	
Joan Jenkins	7 Laburnum Way Dinas Powys CF64 4TH	
A J Tarlton	42 Boverton Brook Llantwit Major CF61 1YH	
Owner/Occupier	Tynewydd Llampha Ewenny CF35 5AF	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Hilary Evans	Talbot House College Terrace Llantwit Major CF61 1se	
Jim Grove	81 Eastgate Cowbridge CF71 7AA	
Catrin Anthony	3 Parc Cottages St Donats CF61 1ZB	
Eleri Kent	Atlantic Cottages St Donats Castle Llantwit Major CF61 1WF	
Mrs D Fisher	Glynfaes Colwinston Cowbridge CF71 7ND	
Mr & Mrs Davies	Langlands, Sigingstone Cowbridge CF71 7LP	
D Ambrose	20 Ewenny Road Wick CF71 7QA	
Miranda Jones	20 Ewenny Road Wick CF71 7QA	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Mrs J L Booth	Bretton Woods Craig Penllyn CF71 7RT	
Martin Booth	Bretton Woods Craig Penllyn CF71 7RT	
Occupier/Owner	Old Parsonage Llancarfan CF62 3AG	
Gemma Bowers	18 Cross Acre West Cross Swansea SA3 5NW	
Simon Thomas	Mount Pleasant Farm Cowbridge CF71 7AD	
Nicola Thomas	Mount Pleasant Farm Cowbridge CF71 7AD	
Claire Thomas	Mount Pleasant Farm Cowbridge CF71 7AD	
Lily Tomson	United World College of the Atlantic, St Donats Castle Llantwit Major CF61 1WF	
Martin Dean	Dovrill Ltd Ridge Lea Park The Craig, Penallt Monmouth NP25 4RP	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
T Draper	7 Colhugh Street Llantwit Major CF61 1RE	
Katherine G Jones	20 Church Hill Close Llanblethian Cowbridge CF71 7JH	
Mrs S Westmacott	The Piermaster's 31 Grove Place Penarth CF64 2LB	
E Gabb	5 Shakespeare Drive Llantwit Major CF61 1WW	
K and R Williams	Hafod Y Fro Sigingstone Cowbridge CF71 7LP	
John Sherwood	1 Mill Park Cowbridge CF71 7BG	
D and G Brook	10 Court Close Aberthin Cowbridge CF71 7EH	
Mrs P Ribbans	Bryn y Fro Nash Cowbridge CF71 7NS	
M and A Elliott	2 Taircroes Cottage Taircroes CF35 5AG	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
A and G Autos	Unit 21E Vale Business Park Llandow Cowbridge CF71 7PB	
D and C Morfett	Hafren High Meadow Llantwit Major CF61 1RQ	
Mrs E Alden	1 Mill Park Cowbridge CF71 7BG	
J McHugh	Green Isaf Llantwit Road Wick Cowbridge CF71 7QD	
Owner Occupier	41 Fitzhamon Avenue Llantwit Major CF61 1TP	
Owner Occupier	Maes Yr Haf Llanmaes CF61 2XR	
K McCollin	Maes Yr Haf Llanmaes CF62 2XR	
The McCollin Residence	Hope Cottage Colhugh Street Llantwit Major	
D Morgan	15 Llys Dewi Llantwit Major CF61 2UB	



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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Owner Occupier	28 Dyfrig Close Llantwit Major CF61 2GN	
Mr R A and Mrs F J Butters	42 Livingstone Way East Vale St Athan CF62 4JG	
G Evans	1 Flush Meadow Llantwit Major CF61 1RW	
L and V Duance	The Longfield Factory Road Llanblethian CF71 7JD	
Jennifer Morgan Coles	The Granary Fonmon Barry CF62 3BJ	
G P & N Thomas	Highfield 1 Tyla Rhosyr Cowbridge Vale of Glamorgan CF71 7AU	
A Barnaby	Solideal Ltd Unit 65, Vale Business Park Cowbridg CF71 1PF	
Cllr E George	Aberthin House Llanquian Road Aberthin CF71 7HE	
Owner/Occupier	Pennant Dimlands Road Llantwit Major CF61 1ST	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
James Young	15 Tyle House Close Llanmaes CF61 2XZ	
Owner/Occupier	58 Trebeferad Boverton CF61 1UX	
Mr M Davies	The Chestnuts Llysworney Cowbridge Vale of Glamorgan	
Debbie Cooke	2 Grays Walk Cowbridge CF71 7BQ	
D & M Darby	Hen Ywen Llandough Cowbridge CF71 7LR	
Kim Davies	7 Maes y Felin Llandow CF71 7PD	
Peter Davies	7 Maes u Felin Llandow CF71 7PD	
John Homan	The Granary Sutton Road Llandow CF71 7PA	

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<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Carol Homan	The Granary Sutton Road Llandow CF71 7PA	
Mr & Mrs Robson	19 Cwrt y Cadno Llantwit Major CF61 2SB	
G A Snowden	19 Greys Drive Llantwit Major CF61 2UQ	
Mark Snowden	6a Pound Field Llantwit Major CF61 1DL	
Mrs R Beckinsale	1 Byways, Tair Croes Bridgend CF35 5AG	
R J Beckinsale	1 Byways Tair Croes Bridgend CF35 5AG	
Debra Boyland	41 Druids Green Cowbridge CF71 7BP	
Stephen Boyland	41 Druids Green Cowbridge CF71 7BP	

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Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Zoe Frost	41 Druids Green Cowbridge CF71 7BP	
Mrs Shirley Elwell	5 Cwm y Gerwyn Bleddfa Knighton Powys LD7 1PB	
Mrs Gail Elwell	1 Presteigne Avenue Tonteg Pontypridd RCT	
G Suckling	43 Druids Green Cowbridge CF71 7BP	
Louise Evans	Marcross Farm Marcross Llantwit Major CF61 1ZG	
Max Wallis	Barry & Vale friends of the Earth 14 Robert Street Barry CF63 3NX	
Capt. PM & Mrs DJ Bowers	Six Wells Farmhouse Vale Business Park Cowbridge Vale of Glamorgan CF71 7PF	
Susan Dean	ridgelea@btinternet.com	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Dr. Pearce	Cowbridge and Llanblethian Residents Group 2 Darren Close Cowbridge CF71 7DE	
Andrew R.T. Davies AM	Cardiff Bay Cardiff CF99 1NA	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

<b>Name:</b>	<b>Address:</b>	<b>Date Sent:</b>
Eluned Parrott AM	National Assembly for Wales Cardiff Bay Cardiff CF99 1NA	
	The Clerk, Colwinston Community Council, Yew Tree Farmhouse, Colwinston, Cowbridge. CF71 7ND	
	The Clerk - Mr. D.I. Jones, Llandow Community Council, 47 Cefn Road, Cefn Cribwr, Bridgend. CF32 0BA	
	St. Donats Community Council, Mrs. R. Smith, 66 Monmouth Way, Llantwit Major. CF61 2GU	
	Gwion Thorpe, Environment Agency Wales, St. Mellons Business Park, Fortran Road, Cardiff. CF3 0EY	
	Councillor Raymond P. Thomas, Sutton Newydd Farm, Llandow. CF71 7PY	
	Councillor J. Clifford, 2 Wimbourne Close, Llantwit Major, Vale of Glamorgan. CF61 1QW	
	Councillor E. Hacker, 24, Llanmaes Road, Llantwit Major, Vale of Glamorgan. CF61 2XF	

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

**Name:**

**Address:**

**Date Sent:**

Councillor G. John,  
Ashgrove House,  
High Street,  
Llantwit Major.  
CF61 1SS

Councillor S. Bagstaff,  
Highwinds,  
44, Llanmaes Road,  
Llantwit Major.  
CF61 2XF

Network Development Consultants,  
Hyder Consulting Ltd,  
P.O. Box 10,  
Treharris.  
CF46 6XZ

The Editor,  
Glamorgan Gem,  
Craig House,  
53, Eastgate,  
Cowbridge.  
CF71 7EL

**FOR INFORMATION PURPOSES**

The Clerk,  
Cowbridge with Llanblethian Town  
Council,  
Town Hall,  
Cowbridge.  
CF71 7AD

The Secretary,  
Campaign for the Protection of Rural  
Wales,  
Mid & South Glamorgan Branch,  
3 Parc Y Bryn, Linksparc,  
Creigiau,  
Cardiff.  
CF8 8SE

The Clerk,  
Llanmaes Community Council,  
41 The Verlands,  
Cowbridge,  
Vale of Glamorgan.  
CF71 7BY

Appeals Notifications Distribution List

Appeal Reference: 11/2167112

**Name:**

**Address:**

**Date Sent:**

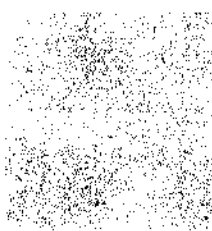
Health and Safety Executive,  
Ms. Helen Gooding,  
Hazardous Install. Directorate,  
LD3D Government Buildings,  
Ty Glas, Llanishen,  
Cardiff.  
CF14 5SH

The Clerk,  
Dinas Powys Community Council,  
Council Offices,  
2, Britway Road,  
Dinas Powys.  
CF64 4AF





# QUESTION 16bii



QUESTION  
16bii

NO ADDRESS  
TO ACK.

D.E.E.R
RECEIVED
ACTION BY: STB
NO: P215
ACK:

23/09/2011

17<sup>th</sup> Sept 2011

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the

planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected

under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- vehicle movements
- movement and placement of steel casing (est. 500m of)
- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconstancies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,



cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Glynfaer  
Colwynston  
COWBRIDGE  
CF71 7ND

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 17.9.11

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns

regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

[Redacted signature]

ACK:	28/2/11
NO:	9214
ACTION BY:	SJB
RECEIVED	
D.E.E.R	

David Ambrose  
20, Ewenny Rd,  
Wick  
Vale of Glamorgan  
CF71 7QA

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

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Yours sincerely,

A large black rectangular redaction covers the signature area. A thin horizontal line extends to the right from the bottom edge of the redaction.

ACK:	20/9/11
NO:	0712
ACTION BY:	STB
RECEIVED	
D.E.F.H	

Minanda Jones  
20 Gwenny Road  
Wick  
Cambridge  
CF71 7PA

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 18.9.11

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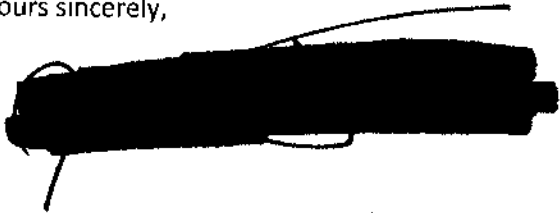
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A large black rectangular redaction covers the signature area of the letter.

ACK:	
NO:	0711
ACTION BY:	STB
RECEIVED	

Mark & Sarah Hamilton  
6 Parc Wood  
Atlantic College  
Vale of Glamorgan  
CF61 1YY

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

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RECEIVED
ACTION BY: SJB
NO: P6249
ACK: 11/11/11

15 SEP 2011

gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.

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the monitoring results are representative / typical of the time when the sources of noise will be operating?

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- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Mark & Sarah Hamilton

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council

John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the

RECEIVED	16/4/11
ACTION BY:	SJB

planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not have been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore

been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drilcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- vehicle movements
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#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Jon Morten Steinveg

5 East Drive, St Donats, Llantwit Major, CF61 1HJ

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
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CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

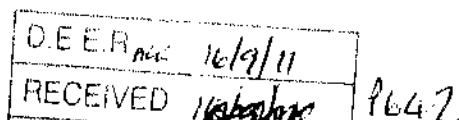
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This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the



planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

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Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

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Typographical Error "borehle"

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Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

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#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Stephanie Lau

Atlantic college  
St Donats College  
St Donats  
Vale of Glamorgan  
Wales  
CF61 1WF



Byways  
Twyncyn  
Dinas Powis  
CF64 4AS  
15/09/11

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

Anita Charles

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

DEER	RECEIVED	ACTION BY: SRB	NO: 16/19/11	ACK: 9/6/11
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**OKeeffe, Kevin T**

**From:** Luke Miller [REDACTED]  
**Sent:** 16 September 2011 09:05  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Chemical Gas Drilling Throughout the Vale

Luke Miller  
 St. Donat's Castle  
 St. Donat's  
 Llantwit Major  
 Vale of Glamorgan  
 CF61 1WF

Steve Ball  
 Principal Planning Officer  
 Planning and Transportation Services  
 Vale of Glamorgan Council  
 Docks Offices  
 Barry  
 CF63 4RT

D.E.E.R
RECEIVED
ACTION BY: <i>SJB</i>
NO: <i>P045</i>
ACK: <i>16/9/11</i>

Dear Mr Ball,

**Exploratory gas borehole application - objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
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- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity - though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by

16/09/2011

the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.

- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

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In reviewing the information provided I noted the following:

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Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not have been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

#### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is

Inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- \* vehicle movements
- \* movement and placement of steel casing (est. 500m of)
- \* Movement and placement of drilling rods (est. 800m of)
- \* Generators associated with lighting gantries
- \* Generators associated with welfare facilities
- \* Grout batching plant needed for appropriate decommissioning to the borehole
- \* Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is commensurate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Luke Miller

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

D.E.E.R
RECEIVED
ACTION BY: 553
NO: 8643
ACK: 16/9/11

15/09/2011

Grove Farmhouse,  
Sutton Road,  
Llandow,  
CF71 7PA

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

15/9/11

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

As my family and I live **500 metres** from the proposed drilling site, I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

I am particularly concerned with section 3.3 of this letter which rebuts the report written by Hunter Acoustics. I contacted your offices some weeks ago after drilling (and associated noises of vehicles/shouting as well as spotlights) on the Business Park on a Saturday evening woke me and my family. I was assured this had nothing to do with the sound testing. Regardless of whether or not this work was connected with the proposed drilling and tests, it clearly highlighted the negative impact of 24 hour drilling. The findings of Hunter Acoustics are significantly flawed and their concluding comments are simply wrong.

I have previously written to object, but further investigation into the proposals requires I add these comments to my earlier objections.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off

extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.

- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant ~ noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity - though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 - Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.



### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

### Section 25

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In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not have been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

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Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

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Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

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#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconstancies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Dr Philip Harrington

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: P683
ACK: 19/11

3 Parc Cottages  
St Donats  
Vale of Glamorgan  
CF61 1ZB

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant ~ noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.

- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity ~ though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

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Yours sincerely,

Catrin Anthony

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government

RECEIVED
ACTION BY: SJB
NO: 8681
ACK: 19/9/11

42 Fitzhamon Avenue  
Llantwit Major  
Vale of Glamorgan  
CF611TP

14<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application - objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

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- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
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waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

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Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

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Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

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Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

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- movement and placement of steel casing (est. 500m of)
- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Lisa Casson

42 Fitzhamon Avenue

Llantwit Major

Vale of Glam

CF611TP

D.E.E.R
RECEIVED
ACTION BY: SSB
NO: P630
ACK: 19/1/11

Eleri Kent  
Atlantic College  
St Donat's Castle  
Llantwit Major  
CF61 1WF

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground

gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.

- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

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Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

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Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Eleri

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council

**O'Keefe, Kevin T**

**From:** Rebecca Fisher [REDACTED]  
**Sent:** 16 September 2011 11:56  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Petitioning  
**Attachments:** Objection-letter-Drilling at Llandow.doc

Dear Ma'am or Sir,

This is in regards to your chemical gas drilling. I would be honoured if you took a moment to read this.

Regards,  
Rebecca

19/09/2011



- vehicle movements
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- Movement and placement of drilling rods (est. 800m of)
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Rebecca Rae Fisher

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
 John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
 Alun Cairns MP for the Vale of Glamorgan

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Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

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**O'Keefe, Kevin T**

**From:** mary moore [REDACTED]  
**Sent:** 16 September 2011 10:27  
**To:** Planning & Transportation (Customer Care)

No to fracking.. no no no

D.E.E.R
RECEIVED
ACTION BY: 553
NO: P677
ACK: 19/9/11

19/09/2011

Our Ref: AEP/MD/L41-62  
Your Ref: P/DC/SJB/2011/00812/FUL

Head of Planning and Transportation  
Vale of Glamorgan Council  
Dock Office  
Barry Docks  
Barry  
CF63 4RT

**By Fax 01446 704847**  
16 September 2011

Dear Sirs

**Planning Reference: 2011/00912/FUL**  
**Unit 1 Vale Industrial Park, Llandow ("the Property")**  
**Proposal: To Drill and test the insitu lower limestone and associated strata for the presence of gas**

We act for LEL (Properties) Limited who are the landlords of the above property. Our clients have received notice of the above application and we have been asked to make a formal representation on behalf of our client who is also the freehold owner of all the surrounding property that they object to the planning application on the following grounds:

1. Our client is concerned as to the environmental impact which could result both to the Property and the surrounding area. In particular there is a residential unit on the estate whose living conditions will be adversely affected.
2. The traffic flow which may result if the gas is found and is then to be removed will increase beyond the capacity of the estate roads which our client is responsible for
3. Many of our client's tenants in close proximity to the Unit have already contacted our clients direct to express their concerns with regard to the impact of such activities on the estate and threatened to terminate their occupation of the estate as a direct result in particular with regard to noise and smell issues. We enclose a copy of one of our client's tenant's letters in this respect from which you will see that they are threatening action against our client if the application is granted and we in turn would then look to the Council to indemnify our client in this respect.

Could you please acknowledge safe receipt of this letter and confirm that our client's objections have been duly noted.

**BERRY SMITH LLP**

# DOVRILL LTD.

COMMERCIAL PROPERTY MANAGERS AND DEVELOPERS

Ridge Lea Park  
The Craig, Penallt  
Monmouth  
NP25 4RP

1 September 2011

For the attention Karen Kelly

LEL Properties Ltd  
Unit 35  
Vale Business Park  
Llandow  
Vale of Glamorgan  
CF71 7PF

Dear Karen


## FRACING FOR GAS UNITS 1 VALE BUSINESS PARK

I note unit 1 above have again applied for planning permission in respect of drilling for gas (fracing for gas).

As our units at 21A-K and units 22 are directly adjacent to unit 1 this operation will have a direct impact on their business through both noise and vibration, especially in respect of sensitive electronic equipment, laser operated machinery and other computerised equipment used by many companies today.

We have taken advice and feel the fracing process would be in breach of several of the terms and conditions laid out in our head lease for both units 21 and 22. We feel we should point out we would seek redress for any breach which may cause loss to our business.

Yours faithfully

  
Martin Dean

Directors: M R Dean  
S L Dean

81 Eastgate  
Cowbridge  
Vale of Glamorgan  
CF71 7AA

14 September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

Exploratory gas bore hole application -planning ref: 2011/00812/FUL

This is my objection to the resubmitted application for an exploratory bore-hole at the site in Llandow to search for shale gas. Should shale gas be discovered and exploited, it would be a major environmental disaster for South Glamorgan. It should be resisted at all stages including the exploratory stage. Even at this stage, there are serious concerns about the effects of the proposal on established users, on confidence in established industries, and on the natural ecology of the Vale.

This is one of the most precious parts of South Wales that should be protected rather than exploited merely for commercial gain. It is close to the Heritage Coast and adjacent to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery cause noise pollution 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reduce their status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too - from constant noise levels, increased traffic in the area, and potential health concerns due to escaping gases and water contamination. Industrial traffic passing through Cowbridge to Llandow is already excessive.



- A big threat too is of a substantial drop in house values, affecting the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.
- Experience elsewhere in the world, and notably in the USA, has amply demonstrated the devastating impact of extracting shale gas by fracturing underground strata. An exhaustive cost-benefit analysis, based on historical evidence (including, for example, the cost of subsequent claims for damage) should be required of the applicants as a condition of any consent.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Assembly Government policies. To refuse this application would best serve the communities represented by the Vale of Glamorgan Council.

Yours sincerely,

A large black rectangular redaction box covering the signature of Jim Grove.

Jim Grove FRTPI RIBA

Cc Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council

Steve Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 15-9-11

Dear Mr Ball,

**Re: Planning Application Ref: 2011/00812/FUL**

Please accept this letter as notification of my objection to the above planning application to test drill for gas in Llandow.

I currently have a caravan sited on a seasonal pitch at Llandow Caravan Park which is just 900m away from the proposed site. I visit my caravan regularly and spend money in the local area, while enjoying staying on the park because of its peaceful surroundings, particularly at night time. It is because of this that I object to the planning application to drill 24 hours a day, 7 days a week for a 7 week period. Any noise throughout the night would be noticed in Llandow as sound carries, especially on a still night.

I pay for my pitch so I can come and stay in this beautiful area and have peace and quiet. To have this threatened 24 hours a day, 7 days a week for 7 weeks is wholly unacceptable.

Yours sincerely,

A thick black horizontal bar redacting the signature of the sender.

Dylan Parsons  
Brambles cottage  
Grove road  
Llandow  
CF717NY

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided. Which at 74 db for the drilling rig is questionably low considering a household vacuum cleaner is rated at an average of 70 db. Sound assessment reports for Cuadrilla exploration drilling in Lancashire quote that average rig noise output is between 103-106 db . Also to be taken into account are the onsite generators needed around the clock to provide power for machinery and lighting rigs.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce

low status, prejudicing their future role and potential for inward investment in and for the Vale.

- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

Dylan Parsons

A large black rectangular redaction box covers the signature area, obscuring the name and any handwritten notes or dates.

Mr Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT



Dear Mr. Ball

**Re: Planning Application No. '2011/00812/FUL'**

Please accept this letter as notification of my unequivocal opposition to the above planning application submitted to you by Coastal Oil and Gas Limited. The impact on the current infrastructure with regards to the road network, accessibility of the site and amenities to facilitate waste and by products of proposed test drilling is insufficient. I have grave concerns also with regard to the noise and light pollution such an activity may generate especially with residential and commercial units within close proximity.

Safe guarding our environment and current infrastructure needs to be of paramount importance and my reasons to categorically oppose this practice being deployed in Llandow.

Yours sincerely

  
Sharon Mckinley  
Brambles Cottage  
Grove rd  
Llandow  
CF71 7NY  


7, Laburnum Way  
Dinas Powis  
Vale of Glamorgan  
CF64 4TH

September 12<sup>th</sup> 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

*This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.*

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

*John Lloyd*  
*13-4-11*

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the

planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected



Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- \* vehicle movements
- \* movement and placement of steel casing (est. 500m of)
- \* Movement and placement of drilling rods (est. 800m of)
- \* Generators associated with lighting gantries
- \* Generators associated with welfare facilities
- \* Grout batching plant needed for appropriate decommissioning to the borehole
- \* Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconstancies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,



cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

**Talbot House  
College Terrace  
Llantwit Major  
Vale of Glamorgan  
CF61 1SE**

10<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

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- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground

gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.

- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

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Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

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In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if

the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

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Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,



Hilary Evans

**O'Keefe, Kevin T**

**From:** Ruth Pickvance [REDACTED]  
**Sent:** 15 September 2011 12:54  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Gas Drilling - addition of name

Please add my name to the list of people concerned about gas drilling:

Ruth Pickvance

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: 9650
ACK: 16/9/11

YOUR ADDRESS  
YOUR VILLAGE  
YOUR POSTCODE  
DATE

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

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- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
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- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

YOUR NAME

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



**Lewis, Joanne C (EER)**

---

**From:** georgina glover [REDACTED]  
**Sent:** 13 September 2011 17:43  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Application No. 2011/00812/FUL

I am writing to object to the planning application to drill and test the lower limestone and associated strata for the presence of gas. I have read about the effects of the planned method of extraction (fracking) and it seems that the possible impact on the local environment and in particular on supplies of groundwater, could be severe and dangerous to health.

My objection is in response to a letter sent to me dated 22 August. I hope it is not too late to register an objection.

Georgina Glover  
2 Morfa Cottages  
Morfa Lane  
Llantwit Major

**Lewis, Joanne C (EER)**

**From:** Ball, Steve J  
**Sent:** 13 September 2011 10:54  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: Planning Application No. 2011/00812/FUL  
**Importance:** High

Please print, ack and log

NOTE This is a second email from the same address but for a different objector.

Steve Ball  
Principal Planner  
Planning and Transportation Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: 01446 704602  
e-mail / e-bost: [SJBall@valeofglamorgan.gov.uk](mailto:SJBall@valeofglamorgan.gov.uk)

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

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*Consider the environment. Please don't print this e-mail unless you really need to.  
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*

**From:** Nicola Thomas [REDACTED]  
**Sent:** 12 September 2011 19:23  
**To:** Ball, Steve J; Thomas, Rob  
**Subject:** Planning Application No. 2011/00812/FUL  
**Importance:** High

Highfield  
1 Tyla Rhosyr, Cowbridge, Vale of Glamorgan. CF71 7AU  
Tel [REDACTED]

12th September, 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Re: Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

14/09/2011

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

**G.P. Thomas**

Mr. Gerald P. Thomas  
(Local farmer, farming land between the application site and the coast.)

14/09/2011

**Lewis, Joanne C (EER)**

**From:** karen gray [REDACTED]  
**Sent:** 13 September 2011 16:46  
**To:** Planning & Transportation (Customer Care)

Steve Ball  
 Principal Planning Officer  
 Planning and Transportation Services  
 Vale of Glamorgan Council  
 Docks Offices  
 Barry  
 CF63 4RT

<!--[if !supportEmptyParas]--> <!--[endif]-->  
 <!--[if !supportEmptyParas]--> <!--[endif]-->  
 Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the Llandow area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. Any potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clearly unacceptable.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- <!--[if !supportLists]-->• <!--[endif]-->The noise levels during the proposed 7 week exploration period. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker collect and extract waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- <!--[if !supportLists]-->• <!--[endif]-->I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the West of Glamorgan Vale and allowing the exploration for gas would undermine existing businesses and reinforce its status, prejudicing their future role and potential for inward investment in the Vale.
- <!--[if !supportLists]-->• <!--[endif]-->The impact on residents in the area will also be significant - noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- <!--[if !supportLists]-->• <!--[endif]-->Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity - though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- <!--[if !supportLists]-->• <!--[endif]-->Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the Nation's Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.

<!--[if !supportLists]-->• <!--[endif]-->There will be a detrimental impact on the area anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application approved, as many investors and visitors alike will turn away from a potential gas mining area.

<!--[if !supportEmptyParas]--> <!--[endif]-->

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### 3.0 Comments on Planning Applications and Supporting Information

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In reviewing the information provided I noted the following:

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#### 3.1 Planning Application

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## Section 15 – Existing Use

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Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

<!--[if !supportEmptyParas]--> <!--[endif]-->

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both the activities have the potential to result in land contamination.

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Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of its operation it is known that the site was used for the breaking up of aircraft.

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The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency with Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing special profiles.

<!--[if !supportEmptyParas]--> <!--[endif]-->

In light of the above Section 15 of the application is incorrect.

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## Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

## Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

<!--[if !supportLists]-->3.2 <!--[endif]-->Coastal Oil and Gas Ltd  
Accompanying Information

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil

and Gas Ltd. These are outlined below. .

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper Devonian* measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower Limestone Shales* below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

<!--[if !supportLists]-->3.3 <!--[endif]-->Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme.

Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

<!--[if !supportEmptyParas]--> <!--[endif]-->

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed. Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

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The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

<!--[if !supportLists]--> <!--[endif]-->vehicle movements  
<!--[if !supportLists]--> <!--[endif]-->movement and placement of steel casing (est. 500m of)

<!--[if !supportLists]-->. <!--[endif]-->Movement and placement of drilling rods (est. 800m of)

<!--[if !supportLists]-->. <!--[endif]-->Generators associated with lighting gantries

<!--[if !supportLists]-->. <!--[endif]-->Generators associated with welfare facilities

<!--[if !supportLists]-->. <!--[endif]-->Grout batching plant needed for appropriate decommissioning to the borehole

<!--[if !supportLists]-->. <!--[endif]-->Vacuum tankers required to tanker off extracted waters / drilling fluids.

<!--[if !supportEmptyParas]--> <!--[endif]-->

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

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Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

<!--[if !supportEmptyParas]--> <!--[endif]-->

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

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Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### 4.0 Closing Comment

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

<!--[if !supportEmptyParas]--> <!--[endif]-->

<!--[if !supportEmptyParas]--> Karen Gray<!--[endif]-->

<!--[if !supportEmptyParas]--> <!--[endif]-->

<!--[if !supportEmptyParas]--> <!--[endif]-->

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Hen Ywen  
Llandough  
Cowbridge  
CF71 7LR

10<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A large black rectangular redaction box covers the signature area. A small circular mark is visible at the bottom right corner of the redaction.

David & Marilyn Darby

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 11/9/11

Dear Mr Ball,

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Yours sincerely,



Bebbie Cooke

2, Gwyns Walk

Cowbridge

CF71 7BQ

11, Bessant Close  
Cowbridge  
CF717HP

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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My main concerns regarding this exploratory application are:


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- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
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Yours sincerely,

Roy Jones

  
cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Six Wells Farmhouse  
Llandow  
Cowbridge  
CF71 7PF

14 September 2011

Mr S Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball

**Exploratory Gas Bore Hole Application - Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

Obviously I am extremely concerned about the immediate sound and pollution issues related to this application and am even more concerned that any consideration is being given to this application in the first place when surely, as they state in their application, their only objective is to find and exploit any gas found. How could this be possible in such close proximity to properties (business or domestic)? There are also more widespread issues to consider such as the tourism attraction of the Heritage Coast and the possibility of the Eisteddfod in 2012 (their boundary would be 20m from the 'well'.

I note my additional concerns regarding this exploratory application as follows:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
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I trust that you will take my strong objections into account.

Yours sincerely,



Dawn Déchamps

2 Cwrt Llanfleiddan  
Cowbridge  
CF 71 7JZ

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

September 12 2011

Dear Mr Ball,

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Yours sincerely,



R&C Bevan

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



42 Boverton Brook  
Llantwit Major  
CF61 1YH  
15.9.'11

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
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Barry CF63 4RT

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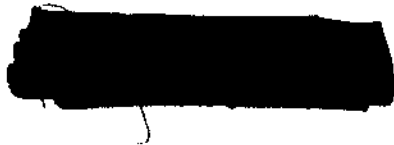
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- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A large black rectangular redaction box covering the signature of Antony J. Tarlton.

Antony J. Tarlton

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Six Wells Farmhouse  
Vale Business Park  
Llandow  
CF71 7PF  
14/09/11

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

Charlotte Dechamps

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

ACK:	15/9/11
NO:	8613
ACTION BY:	SJS
RECEIVED	
D.F.F.H	

**Lewis, Joanne C (EER)**

**From:** Ball, Steve J  
**Sent:** 14 September 2011 09:12  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: Planning Application No. 2011/00812/FUL - Exploratory Bore Hole Application

Please print ack and log

thanks

Steve Ball  
Principal Planner  
Planning and Transportation Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: 01446 704602  
e-mail / e-bost: [SJBall@valeofglamorgan.gov.uk](mailto:SJBall@valeofglamorgan.gov.uk)

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

Find us on Facebook / [Cewch ddod o hyd i ni ar Facebook](#)  
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*Consider the environment. Please don't print this e-mail unless you really need to.  
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*

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**From:** Contact OneVale  
**Sent:** 13 September 2011 20:34  
**To:** Thomas, Guy R; Ball, Steve J  
**Subject:** FW: Planning Application No. 2011/00812/FUL - Exploratory Bore Hole Application

---

**From:** Matthew Davies [REDACTED]  
**Sent:** 12 September 2011 17:21  
**To:** Contact OneVale  
**Subject:** Planning Application No. 2011/00812/FUL - Exploratory Bore Hole Application

The Chestnuts  
Llysworney  
Cowbridge  
Vale of Glamorgan

10th September 2011

Mr. Rob Thomas and Steve Ball  
Head of Planning and Transportation and Principal Planning Officer  
Vale of Glamorgan Council  
Civic Offices  
Holton Road

14/09/2011

Barry  
CF63 4RU

Dear Mr Thomas and Mr Ball

**Re: Planning Application No. 2011/00812/FUL - Exploratory Bore Hole Application**

I am writing to record my concerns regarding the above application. I am opposed to the search for shale gas in Llandow or in fact anywhere else in the UK on any basis, exploratory or otherwise, unless and until the potential effects of this process both for us and future generations has been fully and properly investigated. Accordingly I am vehemently opposed to the above mentioned application. I believe that the application should be called in as the effects of granting this permission are far reaching and reach far beyond the locality.

The grounds on which I am objecting include the following

1. The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of the movement of the metal rods and equipment associated with the drilling process will be significant. I also do not understand how the noise levels referred to in this application are less than those referred to in the earlier withdrawn application. I wish to confirm that we could hear the test drilling that was conducted some time ago by the applicant to assess noise levels. From where we are in Llysworney, the noise was a low and persistent hum that could be heard all the time.
2. The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow Business Park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale. This ties in with the issue of sustainable investment. My understanding is that the shale gas that is discovered will provide the UK with 18 months worth of cheap gas. How can that possibly compare with the threat of established businesses relocating from Llandow (which will be permanent – they will not move back when the drilling ceases) and the certainty of sustainable investment that having those businesses there brings to the Vale economy? In addition the businesses on the estate employ local people to work for them and it may be difficult for them to maintain current work levels while exposing their workforce to noise levels such as these. Customers are less likely to visit when the drilling is taking place and they may be unable to effectively conduct business over the telephone. This could have a devastating effect on many local businesses.
3. Should the application succeed and, ultimately, should mining operations begin, the damage to the area that must result from such heavy and intensive operations must be balanced against what the Vale will lose in the long-term. The miners will stay for as long as it takes to extract the gas only, they are likely to be contractors and not local workers. It will take the Vale many years and massive investment to remedy the loss of amenity to the residents in the immediate vicinity and the depletion of capital inflows due to business either relocating or, choosing to locate their businesses elsewhere.
4. The impact on local residents is also a concern. As you will be well aware there are already grave concerns about the level of heavy vehicles and traffic and this drilling will lead to increased traffic. Also noise from the estate carries a long way and the noise while drilling will be constant 24 hours a day 7 days a week. I understand that the drill cannot be stopped during the process.
5. The presence of gas drilling and mining would threaten our agricultural businesses and all those organic farms that ship their product across the UK on the basis of the current high standards of

organic farming. . All this will be put at risk due to the risk of the potential escape of gas and water contamination. It is of grave concern that no-one appears to know the constituent parts of the cocktail of chemicals that would be pumped into the ground were shale gas discovered. In addition, it would inevitably threaten the tourist industry in the area, this is anticipated to grow and contribute to the economy, but neither visitors nor investors are likely to be interested in an area where there is the potential of gas mining

5. Environmental concerns relating to the consequences of drilling for gas have not been put to rest and it remains a contentious practice throughout the world. The practice has been banned in large parts of America due to concerns they have about the process and America clearly has a great deal more first hand experience and knowledge about the process and the risks involved in practice. Also other European countries have banned it owing to concerns they have. I understand that the drilling in Blackpool has been stopped due to concerns that it may have caused earth tremors. Has there been a full assessment of the effects that drilling could have on local buildings and properties? Has there been a full assessment of the environmental impact for us and future generations on pumping highly toxic chemicals into the rock. There is an enormous aquifer under the land in question, has the threat of water pollution been properly considered? It has been suggested that the chemicals are going so deep that they couldn't possibly effect the water, but my understanding is that the whole idea of fracking was to create cracks to enable the gas to escape. Why then wouldn't the contaminated highly carcinogenic fluid also escape? There are numerous springs in the area feeding many ponds where children play. There are also local private bore holes used I understand to supply water for livestock, this is of grave concern and all these concerns should be allayed before any drilling is permitted, exploratory or otherwise. Given all the effort that is currently being made by various bodies to promote the Green agenda, sustainable investment and environmental protection, it cannot be in the best interests of the Vale to allow an application that will result in no sustainable investment (in fact the costs of rehabilitating the site will be exorbitant), serious environmental impact that will take years to remedy (if at all) and which will set the green agenda back by years. Also we have obligations to consider pursuant to the Water Resources Act, regarding contamination.

I understand that you may think that some of my concerns relate to the effect of fracking and not just this current application for exploratory drilling to search for gas, however, I do not believe that test drilling can be separated from extraction and exploitation of shale gas as it is all part of the one process. The impact to the area of the application succeeding (lack of sustainable investment, detrimental impact on the amenity of the residents of the surrounding area, detrimental impact on existing businesses, depletion of infrastructure due to the movement of heavy machinery on the roads, reduction of capital investment and the impact on tourism and the considerable environmental and health concerns) far outweighs the transient benefits of the discovery of shale gas.

Yours faithfully

**Joanne Davies**

(unsigned due to electronic transmission)

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the



planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Elsteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 - Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not have been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore

been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- vehicle movements
- movement and placement of steel casing (est. 500m of)
- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

**O'Keefe, Kevin T**

**From:** John Homan [REDACTED]  
**Sent:** 14 September 2011 11:44  
**To:** Planning & Transportation (Customer Care)  
**Subject:** 2011/00812/FUL

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

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My main concerns regarding this exploratory application are:

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Yours sincerely,

John Homan

The Granary

Sutton Road

Llandow

CF71 7PA

DEER
RECEIVED
ACTION BY: SJB
NO: 507
ACK: 15/9/11

**O'Keefe, Kevin T**

**From:** carol homan [REDACTED]  
**Sent:** 14 September 2011 11:49  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Fw: 2011/00812/FUL

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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Yours sincerely,

Carol Homan

The Granary

Sutton Road

Llandow

CF71 7PA

ACK:	15/9/11
NO:	15/9/11
ACTION BY:	SJS
RECEIVED	
D.E.R	

D.E.E.R
RECEIVED
ACTION BY: <i>SMB</i>
NO: <i>8603</i>
ACK: <i>15/9/11</i>

42 Fitzhamon Avenue  
Llantwit Major  
Vale of Glamorgan  
CF611TP

14<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

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**2.0 Summary of Key Concerns**

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- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated

waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- vehicle movements
- movement and placement of steel casing (est. 500m of)
- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,



**Ben Dineen**

9 Brunel Close  
Barry  
CF63 2AF  
14<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

Jean Heden-Vaughan

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
 John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
 Alun Cairns MP for the Vale of Glamorgan

ACK:	5/11/11
NO:	8/11/11
ACTION BY:	SJS
RECEIVED	
DEER	

**O'Keefe, Kevin T**

**From:** emma george [REDACTED]  
**Sent:** 14 September 2011 23:19  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Reference: 2011/00812/FUL

Dear Mr Ball,

**Exploratory gas bore hole application - objection, planning ref: 2011/00812/FUL**

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- <!--[if !supportLists]-->• <!--[endif]-->The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
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- <!--[if !supportLists]-->• <!--[endif]-->The impact on residents in the area will be significant too - from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- <!--[if !supportLists]-->• <!--[endif]-->Water pollution is a real concern, with several private bore holes in the immediate vicinity - though Welsh Water do not record this in their response to the planning application.
- <!--[if !supportLists]-->• <!--[endif]-->The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- <!--[if !supportLists]-->• <!--[endif]-->There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

Emma George

15/09/2011

2 Cwrt Llanfleiddan  
Cowbridge  
CF 71 7JZ

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

September 12 2011

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

R&C Bevan

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

DEER
RECEIVED
ACTION BY: SJB
NO: P611
ACK: 15/2/11



Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Received,  
Times of Wales,  
Llandow  
Cowbridge, CF71 4PD.

13<sup>th</sup> Sept 2011

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the

planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected

under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

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Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

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Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

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Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

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The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- \* vehicle movements
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Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

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The significant number of typographical errors, not all of which are discussed above and inconstancies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

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Yours sincerely,



Kim Davis

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Wanted  
7 miles y fern  
Llan dore  
Cowbridge  
CF41 4PB.

13th Sept 2011

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

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- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
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##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not have been aware of the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected

under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper Devonian* measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower Limestone Shales* below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- vehicle movements
- movement and placement of steel casing (est. 500m of)
- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

  
Peter Davis

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



2 Waun Gron  
Llantwit Major  
Vale of Glamorgan  
CF61 2SF

13/09/2011

Head of Planning and Transportation  
The Vale of Glamorgan Council  
Dock Office, Barry Docks  
Barry  
VALE OF GLAMORGAN CF63 4RT

Dear Sir

**Re: Town & Country Planning Act 1990 (as amended)**

**Application No 2011/00812/FUL**

**Location: Unit 1 Llandow Industrial Estate, Llandow**

**Proposal: Drill and test the insitu lower limestone and associated strata for the presence of gas**

We refer to the above planning application and are objecting on the following grounds:-

1. The health and safety of the population of the local area
2. Possible contamination of the water supply
3. The danger associated with this type of drilling is not fully known and has already caused problems in other places. It can result in the risk of gases and explosion as well as general pollution to the local area.
4. Problems with additional traffic on the roads in the Llandow area which already has a large number of lorries and other commercial vehicles using the nearby lanes.
5. If this proposal goes ahead it will undoubtedly blight this area of the Vale of Glamorgan.

It is also known that many other Countries have banned this type of drilling as the long term effects are not fully known and could cause considerable problems in the future. In view of all the foregoing we wish to register our very strong objection to this planning application being granted.

Yours faithfully



A R ROBINSON



B J ROBINSON

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: P620
ACK: 15/9/11

**O'Keefe, Kevin T**

**From:** Nicola Thomas [REDACTED]  
**Sent:** 20 September 2011 14:23  
**To:** Ball, Steve J  
**Cc:** James, Jeffery (Cllr); John Griffiths; Alun Cairns MP; Thomas, Rob  
**Subject:** Planning Application No. 2011/00812/FUL - Objection  
**Importance:** High

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: P754
ACK: 21/9/11

MOUNT PLEASANT FARM  
 COWBRIDGE,  
 VALE OF GLAMORGAN  
 [REDACTED]

20th September, 2011

Steve Ball  
 Principal Planning Officer  
 Planning and Transportation Services  
 Vale of Glamorgan Council  
 Docks Offices  
 Barry  
 CF63 4RT

**RE: Planning Application No. 2011/00812/FUL**  
**Vale of Glamorgan Planning Department.**

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will

move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.

- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### **Section 15 – Existing Use**

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### **Section 23**

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### **Section 25**

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

#### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil

and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper Devonian* measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower Limestone Shales* below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m. Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed. Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### 3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16:00 and 10:00 hrs. Monitoring has therefore not been undertaken throughout the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- \* vehicle movements
- \* movement and placement of steel casing (est. 500m of)
- \* Movement and placement of drilling rods (est. 800m of)
- \* Generators associated with lighting gantries
- \* Generators associated with welfare facilities
- \* Grout batching plant needed for appropriate decommissioning to the borehole
- \* Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

### 4.0 Closing Comment

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is commensurate with the Welsh Government's commitment to

Sustainable Development?

Yours sincerely,

**Claire Thomas (Mrs.)**

Dear Minister Mr. John Griffiths,

I hereby, on behalf of **The Vale Says No** group, would respectfully request that the Welsh Government considers the **calling in** of the above controversial application.

The reasons for this request are based on those recommended on Planning Policy Wales, Section 3.12.1:

**1. The above application is in conflict with National Planning Policies**

This application is in conflict with **PolicyMIN1 Mineral Exploration** which says that: Proposals would be permitted unless there would be an unacceptable impact on any of the following:

- I- Landscape character
- II- Visual amenity
- III- Nature conservation
- IV- Residential amenity
- V- The Glamorgan Heritage Coast
- VI- Surface water and ground water resources
- VII- Scheduled Ancient Monuments and Historic Landscapes

We would contend that the above application would affect and impact the items described in paragraphs: I ; II ; IV and VI.

PPW continues listing items that would be reasons to call in the application, as:

**2. The above application could have wide effects beyond their immediate locality**

This application can have wider effects and impact areas beyond the immediate locality of Llandow, as the exploration proposed will be down to at least 600m depth and could affect the water basin on which the Vale of Glamorgan sits. The proposal involves also the horizontal exploration once the depth of 600m is achieved, so the area involved could be even bigger and wider, affecting areas of Cowbridge, Llantwit Major and the hinterland of the Vale of Glamorgan where houses and farms are located.

**3. May give rise to substantial controversy beyond the immediate locality**

This application in addition to the possibility of affecting the underground drinking water basin of the Vale of Glamorgan, will also create high levels of noise, air pollution, and increased traffic that will affect and impact much wider areas than the immediate locality.

This will create controversy in the whole of the Vale of Glamorgan and beyond, as these areas can be also affected.


**6. This application will raise new planning issues, presently unknown**

The exploration for shell gas is a new activity that needs new Planning Policy to establish the relevant parameters that will preserve the Public Health, and the protection of the Environment. In other words there is an absence of Planning Policies in connection with this kind of exploration, and in these circumstances the population of Wales needs the Planning Authorities and the Welsh Government to establish the required study groups, to be informed and later on rule on safeguards and the kind of protections to the Population of Wales and the Environment that this controversial explorative activity should comply with.

Also the Local Authorities in Wales need to consider **the scale, nature and location of this type of exploration for gas**, if it would significantly prejudice the implementation of their development plan policies and proposals.

For all the above factors we petition the Welsh Government Ministers to call in this application for further independent studies that will better protect the Population and the Environment not only of the Vale of Glamorgan but also of the whole of Wales.

Yours sincerely,

Isaac Benjuya MCIAT, B.Arch.  
Anderson and Associates (South Wales)Ltd  
Architectural Consultants, Surveyors & Planners  
39 High Street, Cowbridge, CF71 7AE  


**Ball, Steve J**

**From:** Thomas, Rob  
**Sent:** 27 September 2011 10:31  
**To:** Goldsworthy, Marcus J; Ball, Steve J  
**Subject:** FW: Application to drill for shale gas exploration at Llandow, Ref: 2011/00812/FUL, recommended for approval by the Planning Department

**From:** Isaac Benjuya [REDACTED]  
**Sent:** 27 September 2011 10:09  
**To:** James, Jeffery (Cllr)  
**Cc:** Jane Hutt; kate.bacon@wales.gsi.gov.uk; Alun Cairns; andrewrt.davies@wales.gov.uk; Thomas, Rob; Planning & Transportation (Customer Care)  
**Subject:** Application to drill for shale gas exploration at Llandow, Ref: 2011/00812/FUL, recommended for approval by the Planning Department

Dear Mr. James,

I am sorry to have to write to you again on the above matter, and I will appreciate it very much if you could copy this letter to the other Councillors of the Planning Committee, when you meet on the 29<sup>th</sup> instant to determine this application.

On my previous letter to the Welsh Ministers, copied to you, I have tried to give factual reasons why this application can not be determined by the Council, and should be referred to the Welsh Government, for future study and determination.

Again, we all know that this application is only for the exploration and not the extraction of shell gas. In my previous letter I noted the relevant Paragraphs of **Planning Policy Wales** applying in this case, as a basis for the action of the Council, to refer this application to the Welsh Government.

The Planning Officers did not comment on the fact that there are no proper relevant Planning Policies concerning the above application.

In their recommendation for approval it is mentioned that they believe only Policies: **Min1** (Mineral exploration), **Env 27** (Design of new developments), and **Env 29** (Protection of Environmental quality) do apply in this case.

With due respect to the Planning Officers, I believe that **these Policies not only do not apply to the above application, but that these Policies are also contrary to this proposal.**

I already discussed **Policy Min1** in my previous letter, and found the above application is in conflict with this Policy. **Policy Env27** (Design of new developments), could hardly be considered as relevant to this application. This Policy establishes that: "Proposals for new developments must have full regard to the context of the local natural and built environment and its special features. New development will be permitted where it:

(i) Complements or enhances the local character of buildings and open spaces; (ii) Meets the Council approved standards of amenity and open spaces; (iii) Ensures adequacy or availability of utility services and adequate provision for waste management; (iv) Minimises any detrimental impact on adjacent areas; .."  
This Policy continues to define a total of 9 requirements of sustainability of any new proposal. This Policy would more adequately be aimed at new building developments and does not apply to the above type of application.

Conversely **Policy Env29** (Protection of environmental quality), can hardly apply to the above proposal. This Policy establishes that: "Development will not be permitted if it would be liable to have an **unacceptable effect on either people's health and safety or the environment: (i) By releasing pollutants into water, soil or air, either on or off site; or (ii) From smoke, fumes, gases, dust, smell, noise, vibration, light or other polluting emissions**".

So the Planning Policy basis from which the Planning Officers are concluding with their recommendation for the approval of this application, are faulty and not applicable to this proposal.

27/09/2011



I suggest that one last Planning Policy that does apply fully to this proposal is **Policy EMP4: (Protection of land for employment use)**. This Policy establishes that:

**" On existing employment sites and sites identified in Policy Emp1 (Llandow Industrial Estate is identified in this Policy Emp1), development of uses that are not contained in classes B1, B2 and B8 of the Town and Country Planning (Use Classes) order 1987 (as amended) will not be permitted. Classes: B1(Business), B2 (General Industry) and B8 (storage or distribution), are the uses allocated to the Llandow Industrial Estate, by Policy EMP1**

**The above application does not fall within these uses, and therefore is not permitted to be located at the Llandow Industrial Estate.**

For all the above I would respectfully urge the Councillors either to **refuse** this application, or **refer** it to the Welsh Government.

Yours sincerely,

Isaac Benjuya MCIAT B Arch  
Anderson and Associates (S. Wales) Ltd  
Architectural Consultants, Surveyors & Planners  
39 High Street, Cowbridge, CF71 7AE  
[REDACTED]

**O'Keefe, Kevin T**

**From:** Isaac Benjuya [isaac.ander.assoc@gmail.com]  
**Sent:** 20 September 2011 11:10  
**To:** John Griffiths; jane.hutt@wales.gsi.gov.uk; Lesley Griffiths; Huw Lewis; 'CAIRNS, Alun'; andrewrt.davies@wales.gov.uk  
**Cc:** James, Jeffery (Cllr); Thomas, Rob; Goldsworthy, Marcus J; Planning & Transportation (Customer Care)  
**Subject:** Petition to call in application No: 2011/00812/FUL: drilling for shell gas exploration at Unit 1, Llandow Industrial Estate, Llandow, Vale of Glamorgan  
**Attachments:** PPW for call in an application.jpg

Dear Ministers, MP for the Vale of Glamorgan, Leader of the Opposition, Chairman of the Planning Committee of the Vale of Glamorgan, Director of Planning, Operational Manager, and Mr. S. Ball (Principal Planning Officer),

I am writing to you both in a personal basis and also on behalf of **The Vale Says No** Group, opposed to the above application.

We know that this application is only for the exploration and not extraction of possible gas reserves in Llandow.

Our argument is **either** that the Welsh Ministers do **call in** this application, or the Vale of Glamorgan does **refer** this application to the Welsh Government. This request is based on **Planning Policy Wales**, Paragraphs 3.12.1 and 3.12.2, February 2011, attached.

On a previous message to Mr. John Griffiths, Minister for the Environment and Planning, we gave some of the reasons for the necessity of calling in this application.

Planning Policy Wales, Paragraph 3.12.1 establish 6 possible reasons for considering appropriate the calling in of an application. The relevant ones in this case are:

- The proposal is **both in conflict** with National Planning Policies, and in the other hand, this application **is not covered** by any existing Planning Policy.  
 The only Planning Policy that we can think of, which could apply if the application was for **mineral exploration** is **Policy Min1**. This application is in conflict with this policy because there would be an **unacceptable impact on:** **a) the Landscape character** (this will be directly affected by the gigantic hydraulic hammers continuously pounding the ground for several weeks, emitting high levels of noise, and polluting the air with smoke and smells; **b) Visual amenity** (for similar reasons); **c) Nature conservation** ( **birds, etc**, will not any more visit the vicinity of the site because of the continuous noise generated by this proposal, and in addition there is a nearby **dogs kennel** that will be directly affected); **d) Residential amenity** (there are dwellings nearby that will be affected); **e) Surface water and underground resources** (this is one of the important reasons for this application to be in conflict with National Planning Policies. Bore holes at this depth of 600 metres can possibly perforate the **underground water reserves** that sit under the majority of the Vale of Glamorgan area, and this new method of exploration may possibly affect the water and pollute it. In breaking the shell rock at those depths to lifting it to the surface for examination of the possible presence of gas, this gas could escape and become in contact with the water basin, polluting it.
- As said before **there is no Planning Policy that applies to this specific method of gas exploration**, and therefore the Planning Authority could not, technically, determine the application based on known parameters.
- **In addition**, the application can have **wider effects** and impact on geographical areas beyond the immediate locality of Llandow. It could also affect important populated and historical areas of Cowbridge, Llantwit Major and the Hinterland of the Vale of Glamorgan, where dwellings and farms are also located.
- **This proposal is giving raise to substantial controversy beyond the immediate locality**. As said on the letter we sent to Mr. John Griffiths the Minister for the Environment and Planning, many people are seriously worried by the possibility of: underground water pollution, the very high levels of noise and air pollution it can generate, the hugely increased traffic and lorries invading the roads, and the great impact on the Environment, irreparably affected. Some or all of these effects will create

controversy in areas far beyond Llandow.

- **This application will also raise new planning issues, presently unknown.** Although this application is for the exploration of the presence of gas on the site, the activity it comports is new and it needs **new** Planning Policies now not in existence. The new Planning Policies required to determine this type of application, will have to take into consideration all factors and requirements necessary to protect the Public Health and the Environment of the local area and beyond.
- **The Local Planning Authority** would need to consider the **scale, nature and location** of these and similar types of proposal, as they may significantly prejudice the implementation of the long awaited **Local Development Plan, its Policies and Proposals.**

Finally we feel this could be a test for the Government and the Council, to positively react in consideration of the growing public opposition to the above proposal, as we all know that this initial phase of "exploration" will be followed by future applications for "extraction" of shell gas.

This type of proposal has been banned in France, the Estate of New York, and parts of Germany.

It would appear that it may be counterproductive to approve this application, as it will obviously be followed by other(s) for extraction, even more controversial.

We hope that both the Ministers of the Welsh Government and the Vale of Glamorgan Council will raise to the challenge and act in the interest of the Population and the Environment of our Country.

Yours sincerely,

Isaac Benjuya MCIAT, B.Arch  
Anderson and Associates (South Wales) Ltd  
Architectural Consultants, Surveyors & Planners  
39 High Street, Cowbridge, CF71 7AE



ACK	21/9/11
NO	P758
ACTION BY	SSB
RECEIVED	
DEER	

- residential development of more than 150 houses or on more than 6 hectares of land;
- retail developments of over 10,000 square metres;
- major proposals for the winning and working of minerals;
- proposals for major developments which could have wide effects beyond their immediate locality;
- proposals giving rise to substantial controversy beyond the immediate locality;
- proposals which raise novel planning issues;
- proposals which raise significant legal difficulties;
- proposals to which a Central Government Department has objected; or
- cases that can only be decided in conjunction with a case over which an Inspector has no jurisdiction.

FROM PLANNING POLICY WALES

### 3.12 The Welsh Ministers' general role in decision taking

3.12.1 Development proposals are generally best determined locally by planning authorities which know their area, its needs and sensitivities. The Welsh Ministers do not interfere with local planning authorities' jurisdiction unless it is necessary to do so. The Welsh Ministers' powers to 'call in' planning applications are used selectively. Each application is looked at individually. **Call in** is generally only considered appropriate where an application raises planning issues of more than local importance. It could be considered appropriate, for example, in the case of proposals that:

- are in conflict with national planning policies;
- could have wide effects beyond their immediate locality;
- may give rise to substantial controversy beyond the immediate locality;
- are likely significantly to affect sites of scientific, nature conservation or historic interest or areas of landscape importance;
- raise issues of national security; or
- raise novel planning issues.

3.12.2 Local planning authorities should refer to the Welsh Ministers, in accordance with the provisions of the Departures Directions (Welsh Office Circular 39/92)<sup>32</sup>, departure applications which they do not propose to refuse for:

(a) development which consists of or includes the provision of

- more than 150 houses or flats; or
- more than 10,000 square metres of retail floor space;

(b) development of land of an interested planning authority, or for the development of any land by such an authority, whether alone or jointly with any other person; or

(c) any other development which, by reason of its scale or nature or the location of the land, would significantly prejudice the implementation of the development plan's policies and proposals.

3.12.3. Local planning authorities should also refer to the Welsh Ministers, in accordance with the provisions of the Shopping Direction (Welsh Office Circular 61/93)<sup>33</sup>, retail applications which they do not propose to refuse for development which comprises or includes the provision of:





Steve Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

07<sup>th</sup> September 2011

Dear Mr Ball,

**Re: Planning Application No. 2011/00812/FUL**

Please accept this letter as official notification of our strong opposition to the above planning application submitted by Coastal Oil and Gas Limited. The proposed operation to 'Drill and test the insitu lower limestone and associated strata for the presence of gas' is of grave concern to ourselves as local residents and as business owners in Llandow and we wholeheartedly oppose this application.

We strongly oppose the existing application for testing not only to inhibit any further stages in the gas drilling process, but also because the initial phase will be extremely disruptive to our caravan park. We have worked hard to build up a great reputation as somewhere our visitors can come to relax in a peaceful, rural setting that, especially throughout the night, provides peace and tranquillity. Having been voted in the 2011 Top 100 parks in the UK by readers of Practical Caravan Magazine, we have been enjoying our busiest season to date bringing many visitors to the area. As we have been unable to satisfy demand, we are currently embarking on a project that will expand our capacity by 75%, encouraging further visitors who eat, drink and shop in the Vale

Should it be allowed, the proposed drilling will proceed for 24 hours a day, 7 days a week for 6 weeks, creating continuous noise pollution, and our customers will simply not withstand this level of disruption. Our reputation could suffer greatly as people not only tell their friends and peers of their holiday experiences, but are now able to voice their dissatisfaction online via social media and review sites – something which we heavily rely on for new business.

We are concerned at the unprofessional sound report submitted with this new application. To base a report around a noise level 'as advised in email from Oliver Taylor' is wholly unacceptable. I cannot believe that an 11m drill rig, drilling a 30cm diameter well to a 500m depth is only going to generate 75db, when the manufacturers specifications for a hand drill are 98db (see [http://www.amazon.co.uk/dp/B0009VX32C/ref=asc\\_df\\_B0009VX32C4319736?smid=A31KFXAXTTNBQF&tag=googlecouk06-21&linkCode=asn&creative=22218&creativeASIN=B0009VX32C](http://www.amazon.co.uk/dp/B0009VX32C/ref=asc_df_B0009VX32C4319736?smid=A31KFXAXTTNBQF&tag=googlecouk06-21&linkCode=asn&creative=22218&creativeASIN=B0009VX32C)). For a comparison of noise levels please see <http://www.gcaudio.com/resources/howtos/loudness.html>.

There is also no comment made on additional noise created at the site from the generator and compressor mentioned in the 'Accompanying Information' document. Surely these create noise and will be running 24 hours a day so should therefore be factored into the report.

As stated in the sound report, the area has 'Exceptionally low background night time noise levels', the noise of a drill throughout the night will most certainly cause a disruption to us and our visitors. Also, the report does not consider the business units right next door to the drill site. Not industrial units, but offices where people conduct a large majority of their work on the phone. Surely the impact on their businesses must be considered too.

We also feel, the threat of gas drilling would also undermine the investment made by the Vale in securing the National Eisteddfod to come to Llandow. If granted permission, could this drilling potentially take place during the event?

We are aware that this is merely an application to undertake exploratory operations at Llandow, but we are severely concerned that should these tests prove successful for Coastal Oil and Gas Limited, then what follows could have irreparable, long-term, disastrous effects on the Vale and its residents for generations to come. The Vale of Glamorgan Development Plan specifically states in section 1.7.2 that one of its guiding principles is "To manage natural resources wisely avoiding irreversible damage wherever possible in order to maintain and enhance their value for future generations;"

We appeal to you to thoroughly consider this abhorrent practice of gas drilling before encouraging it in the Vale. We are gravely concerned that should application be granted, then it sets a precedent for the entire area and any further applications will therefore be allowed. It is my understanding that, once allowed, drilling doesn't stop with one drill rig. It will result in many drill rigs around the Vale that could cause damage of on a catastrophic scale.

Investment should be encouraged in investigating and deploying renewable and sustainable sources of energy, we cannot continue to encourage new ways of taking the earth's limited resources.

Yours Sincerely,

Louise Evans  
Llandow Caravan Park Ltd.

Gareth Clark  
Marcross Farm  
Llantwit Major  
Vale of Glamorgan  
CF61 1ZG  
13<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

I have attended all public meetings relating to this issue, - Llandow, Llantwit Major and Cowbridge – and have been carefully studying the Noise Impact Assessment with particular interest, as it's a subject I have encountered many times in my profession.

I have my own electrical business and have installed PA systems on many large construction sites around the UK, including Wembley Stadium and the O2 Arena in London. As a supervisor for Honeywell , I've sat in many meetings with some of the country's leading acoustic engineers, architects and surveyors. I have also helped design, build and soundproof Wales' largest rehearsal and recording facility, Musicbox, in Cardiff, where I consulted with producers, sound engineers and musicians, with noise impact to the local community, integral to the design and construction.

**Noise Impact Assessment 2594/ENS1 – May 2011**

I have studied the Noise Impact Survey commissioned by Coastal Oil and Gas, and met with many of the people I have mentioned above to get their viewpoints, and the general consensus is this survey is very vague, and nowhere nearly thorough enough for an issue as massive as this.

I have obtained Noise Impact Assessments undertaken by Spectrum Acoustics, for two separate drill test sites in Lancashire ( Caudrilla ) and carefully compared with the Hunter Acoustics survey. There are many differences between the two thorough Spectrum surveys (both 19 pages) and the Hunter survey (12 pages), which conveniently suits Coastal Oil and Gas's needs for this application.

I believe an independent thorough survey should be undertaken by a company outside of the drilling licence area, with the following additional information.

Test drilling rig sound power levels (LW) - ( Manufacturer's specs) - This information is critical to any calculations put into the computer model, to calculate precisely the dB (A) . It's vital the proposed test drill sound levels are measured from various distances, not just from 1m, to get an overall sound level reading. ( Hunters survey have used a private e-mail from Coastal Oil and Gas, not the manufacturer's data or a separate sound survey done at another test site using the same test drilling equipment. 74dB(A) at 1 metre is very dubious. (The same as a car engine running from the same distance .They have also used two separate test instruments, from two different manufacturers, which could result in irregular data)

D E E R	
RECEIVED	
ACTION BY:	SJB
NO:	96424
ACK:	16/9/11

A noise contour map ( local topography)– This should be a scaled map, with the proposed drilling site at it's centre, with increasing circles of 5dB , showing how the sound levels decrease/ increase – taking into account the local topography. ( Hunters survey has an unscaled map, with no comparable data or measurements. Also there are no compass points, showing North)

A noise contour map –( local meteorology.) – Again this should be a scaled map, but taking into account the local weather conditions, such as the prevailing south-westerlies. Wind can affect distance sound levels travel by up to 50%. ( Hunters do not mention the prevailing wind, which blows from the south west 70% of the time in the Llandow area, and the effect it would have on the drilling sound levels, measured at Six Wells Cottage, which is 260m North East of the proposed drilling site)

Photographs of views of all locations relevant to the survey

These pictures can show the landscape and indicate scale. An aerial photograph showing scale and the direction of North would also assist the survey. The area in question is an old airport, and the landscape is a natural plateau, which is critical to how far the projected sound levels would carry.

Calculating a 3-D computer model – Most industrial sound surveys use measurements from different distances from the source, and many complex calculations result in a 3-D image of the predicted sound levels, the image is spherical in shape. ( Hunters survey use a 2-D graph which does not accurately show dispersion of the soundwaves, both through the substrate and atmosphere.

Overall sound levels – A sound level calculation should be made to include all the other plant, generators and machinery. Such as –

- Vehicle movements
- Movement and placement of steel casing (est. 500m of)
- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

( Hunters survey does not mention any of the above – The initial application submitted levels of 85dB (A), and when I questioned Coastal Oil and Gas's Oliver Taylor at the public meeting in Cowbridge, if this allowed for all generators, he replied yes. The question and answer was recorded. )

Background noise levels at local businesses - There should be a sound level survey undertaken at the neighbouring businesses to the proposed drilling site, not just properties. The businesses types should be determined, such as commerce, on an individual basis, and a noise assessment from each premises undertaken.( Hunters survey only account for four properties (NSP's), not any businesses, some of which are even closer than Six Wells Cottage.)

Construction noise – predictions for the construction site noise levels, which would affect the business premises that are very close to the proposed drilling site.

Psychoacoustics – the highest sound levels from drilling are in the very low frequencies or dB(C), which although inaudible to the human ear , have detrimental effects on human health. This is a whole separate science, but requires special sonic probes to measure these sub sonic levels, as the test equipment used for dB (A), in the human range, are not suitable.

## **Summary**

Although Hunter's Acoustics are a very well respected company within the industry, the survey is vague and often misleading, for example, 15dB(A) loss due to an open window is insignificant in a noise impact assessment as only the measurements outside of a property count.( the information supplied by Coastal Oil and Gas suggests one of two things.



- 1 - The survey was done economically, resulting in very vague results, thus meeting Coastal Oil and Gas's needs.
- 2 - The survey was actually more thorough than submitted, but information from it was held back by Coastal Oil and Gas, as it would expose flaws in their application.

The noise level of the test drilling rig is critical. As Coastal Oil and Gas do not own their own equipment, this suits them as they do not have to commit to any sound levels until they know what equipment they will be given. The availability of equipment is not known until the date of hire arrives. A test drilling rig of 12m in height, able to drill down to 800m, strongly suggests a very large mobile drilling rig. The company from Sunderland (Drillcore) must be able to supply the data. (Spectrum's survey for Caudrilla, uses their own database with 4 drill rigs having an average of 105dB (A))

The initial application was withdrawn as the noise impact on Six Wells Cottage, (when discovered) fell inside the accepted levels that Coastal Oil and Gas proposed (84dB). It seems that the new amended figure of 74dB, allows the cottage to fall conveniently outside the accepted levels, and thus persuading the committee to pass the application. Before the planning committee make a decision, I urge you to consider one of the following -

- a) Coastal Oil and Gas submit all of Hunter's survey, if there is more, for the public to see, including the drilling sound levels as supplied in Oliver Taylor's e-mail to Hunters  
Or, Coastal Oil and Gas instruct Hunter's to undertake a more thorough and detailed survey, including the above mentioned information.
- b) Coastal Oil and Gas instruct another company to submit a thorough survey, using a company from further afield, who are based outside the boundaries of their drilling licence.
- c) The Vale Council undertakes its own independent survey, again using an outside company. (There are many other noise impact assessment companies working in the UK, who have substantial experience in industrial drilling surveys.)

I believe it's very difficult to calculate the unique conditions which will occur at the test drilling site in Llandow, and some would say that the only time to measure and calculate exactly, would be after the rig is built in the exact location. But, if a further survey was undertaken the public and committee would be clearer in understanding the complex nature of acoustics, and the terminology used. Also a site visit to an existing test drilling rig, would be advantageous.

If the council permitted the application, conditions must be applied to ensure the drilling levels do not exceed the acceptable levels for the residents and businesses.

#### **Other issues**

Although my main objection centres around the noise impact assessment there are five other issues I'd like to raise.

1 - Water boreholes - the issue of risking contamination of the local aquifers. What contaminants will be left and chemicals used in the test stages of drilling? Last year's severe winter caused damage to several water mains near Cowbridge, which came very close to using the local aquifer to supply water to its residents, creating the same situation as Northern Ireland. A very severe winter has been forecast again this Winter. The aquifers must be kept clean at all costs.

2 - Impact on local businesses - what businesses will leave the Vale Business Park due to noise and disruption? There are many businesses of light commerce, offices and small warehouses, who are not even light industry, who have co-existed with their neighbours who are. Many of these businesses will relocate away from the Western Vale area, and may suffer as a result. These vital businesses need your full support in these uncertain economic times.

3 - Impact on tourism - what will happen to the caravan park during the 7 week drilling period? Tourism is key to the long term economy of the Vale, and small family run businesses are the life

blood of this undervalued industry. Once visitors are affected by the potential noise, sight and disruption of the test drilling, I fear they will never return to this area again and find other parts of the country to spend their holidays, weekends, day trips and money.

4 - Impact on the Eisteddfod - The Vale has worked tirelessly to find a suitable area of the Vale to host a summer Eisteddfod, and has finally won over the Eisteddfod committee to bring the massive event to the county for the first time. With estimated figures of 180,000 people expected to visit the event, and TV companies from around the world ( it's the second largest outside broadcast covered by the BBC behind Wimbledon Tennis), what a publicity disaster it would be for the county, to see a gas drilling rig in the field next to the famous Maes tent.

5 - Impact on infrastructure- what state will the severely pot-holed roads be left in after the vehicle movements finish? Although the land on Unit 1 in the Vale Business Park is a bit run down, and an empty property has rubbish around it, the rest of the Business Park is well kept by the landowners and tenants. The roads leading around the estate has had problems of the last couple of winters and the temporary pot-holes will inevitably open up again with any more heavy traffic.

### **Closing comment**

I believe Coastal Oil and Gas opted to choose Llandow because an infrastructure existed for them to take advantage of. Their use of the words 'Industrial estate' , instead of 'Business park' is intended to win over the council, and their intention to ` clean up a scruffy bit of land' does the same. The fields adjoining the proposed drilling site, outside the Business park, are very well kept by local farmers, and preparation of the fields for use by the Eisteddfod has already begun.

The very fact Coastal Oil and Gas missed a property 260m away from the site worries me, and suggests a company who aren't thorough enough, as reflected in the noise impact assessment. I'm concerned the company will not be able to manage the works to a suitable and safe standard.

But mostly I call into doubt, the integrity of the Noise Impact Assessment, and therefore, object to the planning application.

Yours sincerely

Gareth Edward Clark

SJB - CAPS

Tara  
4 Maes Y Felin  
Llandow Village  
CF71 7PD  
4 September 2011

Steve Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I write to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. As you can see I live in Llandow and will be directly affected by this application. Whilst I appreciate that this is an application for exploration purposes, I have concern for the potentially far-reaching consequences of this research activity for communities across the Vale as well as the impact of the exploratory drilling.

This is a precious part of South Wales. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales. The area attracts tourists and the Local Councils have been working hard to promote this area as one of beautiful countryside where tourists cannot only walk for pleasure but also visit local attractions including churches and towns such as Cowbridge. Indeed Cowbridge has been trying, in an increasingly challenging economic climate to promote itself as a town which can offer a distinctive and different shopping experience compared to the likes of the large city centres.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods and equipment associated with the drilling process will be significant and in addition to the data provided. I can already hear the cars from the Llandow race track from my home and have no doubt that the noise from the exploratory drilling will be more intrusive as it is intended to be continuous.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale. How can the Vale Council expect to attract any new businesses when established businesses chose to leave?

- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found. Already in Llandow a potential buyer has withdrawn because this application has been made. Imagine the impact if the application is granted.
- There are several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application. As a result water pollution is a real concern.
- The presence of gas drilling and mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investment in the Vale of Glamorgan. Local residents are being urged to raise funds and contribute directly to the National Eisteddfod. Why should we do this when it's success will be compromised by this planning application?
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area. It does not take much imagination or intelligence to foresee a situation where all potential funding investment from business and tourism grinds to a halt.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

Mrs Dilys H Newman

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
 John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
 Alun Cairns MP for the Vale of Glamorgan



Registered Office, Showroom & Warehouse  
Unit 1, Retail Area  
Sulton Road  
Llandow  
Near Cowbridge  
Vale of Glamorgan CF71 7PA



Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

Further to your letter dated 22<sup>nd</sup> August 2011, relating to the resubmission of the planning application for an exploratory bore hole at the site in Llandow to search for shale gas, I wish to register an objection on behalf of The Place for Homes Ltd.

I appreciate that the application is merely for exploration purposes, however, the impact of the exploration alone on both our, other local businesses and the communities across the Vale could be catastrophic.

As a retail business that relies on customers (often elderly), travelling to our store the noise and increase in traffic on already heavily congested access routes is likely to be detrimental. The current infrastructure is already under considerable pressure from large goods vehicles and any additional large plant will exacerbate this issue.

We have been located in Llandow for in excess of 40 years supporting the local community via the provision of goods and jobs. Staff are concerned at the high level of noise and the potential environmental and health concerns regarding escaping gases and water contamination. In addition, should the exploration go ahead the media attention advising of the potential health concerns from escaping gas are likely to reduce the number of people wishing to visit the Llandow area of the vale. This in turn will have a major effect on not only our business but other businesses located in Llandow. Any impact on the public visiting the Llandow area will place enormous pressure on businesses that are already facing extremely challenging trading conditions due to the current economic climate.

Considerable investment has also been injected into locating the National Eisteddfod in Llandow in 2012 and the introduction of gas drilling and mining may prevent this going ahead.

The impact on residents in the area will be significant with constant high noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination.

I trust that these objections will be taken into account when considering the resubmission of the application.

Yours sincerely,

A large black rectangular redaction box covering the signature of Rhian Francis.

Rhian Francis ACA  
Finance Director

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

550

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

GAS DRILLING IN THE VALE  
Re: Original Planning Application No. 2011/00115/FUL

Please accept this letter as notification of my unequivocal opposition to the above planning application re submitted to you for a second time by Coastal Oil and Gas Limited. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences to the surrounding area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US.

We oppose the initial application not only to halt any further stages in this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic will create is not acceptable.

We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,  
..... [Redacted Signature]

Address.....

9, NEW BARN  
FLEMINGSTON  
BARRY  
VALE OF GLAMORGAN  
CF62 4QL

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas


**GAS DRILLING IN THE VALE**  
Re: Original Planning Application No. 2011/00115/FUL

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely  
..... 

Address.....

9 NEW BARN  
FLEMINGSTON  
BARRY  
VALE OF GLAMORGAN  
CF63 4UL



Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

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Re: Original Planning Application No. 2011/00115/FUL

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....



Address.....

Gerald Lewis  
9 New Barn  
Flemingston  
Barry  
South Glam CF62 4QJ  


**From:** Rhodri Traherne [REDACTED]  
**Date:** 18 October 2011 18:23:26 GMT+01:00  
**To:** [gckemp@valeofglamorgan.gov.uk](mailto:gckemp@valeofglamorgan.gov.uk), [HJWJames@valeofglamorgan.gov.uk](mailto:HJWJames@valeofglamorgan.gov.uk)  
**Subject:** Fwd: Fracking....say no

FYI

-----Original Message-----

**From:** Crossways House [REDACTED]  
**To:** Crossways House [REDACTED]  
**Sent:** Tue, Oct 18, 2011 1:23 pm  
**Subject:** Fracking....say no

Fracking...a nightmare

If nothing else, watch the video.....This is our Vale.

Click through to: <http://thevalesaysno.com/?p=255>

Want to help? send a letter to your AM/MP and Vale planning. Directions given on <http://thevalesaysno.com/?p=255>

Mandy  
Crossways House  
Vale of Glamorgan

19/10/2011

**Ball, Steve J**

**From:** Thomas, Rob  
**Sent:** 19 October 2011 09:01  
**To:** Goldsworthy, Marcus J; Ball, Steve J  
**Subject:** FW: Re Test Drill for Gas

Rob Thomas  
Head of Planning and Transportation  
Director's Office - E&ER  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: 01446 704630  
e-mail / e-bost: DRThomas@valeofglamorgan.gov.uk

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

Find us on Facebook / Cewch ddod o hyd i ni ar Facebook  
Follow us on Twitter / Dilynwch ni ar Twitter

*Consider the environment. Please don't print this e-mail unless you really need to.  
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*

---

**From:** Philippa George [REDACTED]  
**Sent:** 18 October 2011 21:01  
**To:** Thomas, Rob  
**Subject:** Re Test Drill for Gas

Dear Mr. Thomas

As a Vale of Glamorgan resident and 5 Star B& B owner I wish to register my objection to the proposed Test Drill for Gas in our beautiful the Vale of Glamorgan.  
The noise estimated at 7 weeks 24 hours per day will have a devastating effect on the area, community and very important Tourist Industry in the peaceful rural area.

Philippa George  
Monknash

41 Druids Green  
Cowbridge  
CF71 7BP  
17 September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the **potentially far-reaching consequences of this research activity for communities across the Vale.**

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- 1 The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- 2 The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- 3 The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- 4 Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- 5 The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- 6 There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Zoe Frost

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

ACK:	25/9/11
NO:	0890
ACTION BY:	9TB
RECEIVED	

**O'Keefe, Kevin T**

**From:** Gail Evans [REDACTED]  
**Sent:** 29 September 2011 22:43  
**To:** Planning & Transportation (Customer Care)  
**Cc:** Shirley Elwell  
**Subject:** PLANNING APPLICATION

Dear Sir or Madam,

I write to voice my concern at the about the planning application that Coastal Oil and Gas Ltd have again submitted to the council despite the opposition already shown by the people of Wales. I read on the BBC news that: "The side effects of fracking are still being investigated after two earth tremors near Blackpool last summer. For the time being, gas drilling in that part of Lancashire has been suspended. Concerns are on contaminating any underground water, and which chemicals are pumped at high pressure to release shale gas"...?

I ask the council planning committee to reject this application as it is an environmental disaster waiting to happen. If you approve this company's application, the long term destruction of the natural environment will be devastating.

Yours sincerely,

Mrs Gail Elwell

1 Presteigne Avenue, Tonteg, Pontypridd, RCT

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: P027
ACK: 30/9/11

30/09/2011

**OKeeffe, Kevin T**

**From:** Shirley Elwell [REDACTED]  
**Sent:** 29 September 2011 10:00  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Fracking for shale gas

Dear Sir/Madam,

I was appalled to read today about the planning application that Coastal Oil and Gas Ltd have again submitted to the council despite the opposition already shown by the people of Wales. How can this company be allowed to continue when we read on the BBC news that:

"The side effects of fracking are still being investigated after two earth tremors near Blackpool last summer.

For the time being, gas drilling in that part of Lancashire has been suspended. Concerns are on contaminating any underground water, and which chemicals are pumped at high pressure to release shale gas"...?

Please, I implore the council planning committee to reject this application outright. Having recently spent huge amounts of money on the storage tanks at Milford to import LPG and the pipeline across Wales to distribute it, the 'powers -that-be' should now be focussing on supporting companies that invest in sustainable methods of heat generation as well as energy saving, such as better insulation of buildings.

If you approve this company's application, the disruption of the lives and homes of local people, as well as the long term destruction of the natural environment will be totally your responsibility.

Yours sincerely

Mrs Shirley Elwell, 5 Cwm-y-gerwyn, Bleddfa, Knighton, Powys LD7 1PB  
 [REDACTED]

D.E.E.R
RECEIVED
ACTION BY: STB
NO: 9029
ACK: 30/9/11

30/09/2011

43 Druids Green  
Cowbridge  
CF71 78P  
20 September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the **potentially far-reaching consequences of this research activity for communities across the Vale.**

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- 1 The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- 2 The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- 3 The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.



- 4 Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- 5 The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- 6 There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Godfrey Suckling

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
 John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
 Alun Cairns MP for the Vale of Glamorgan

ACK	5/10/11
NO	8/10
ACTION	8/10
RECEIVED	

**From:** Richard Harris [REDACTED]  
**Sent:** 30 September 2011 00:10  
**To:** Thomas, Rob  
**Subject:** Opposition to Hydraulic Fracturing

Dear Mr R Thomas,

I would like to write to you to inform you of my disgust and opposition to the hydraulic fracturing proposal at Llandow, planning application ref. "2011/00812/FUL"

I have deep concern about the environmental and human health effects often associated with the hydraulic fracturing process. I cannot understand why there is such need for this in the vale of Glamorgan. After recent problems with river pollution in the county I cannot reason why yet another risk to the water should be allowed to go ahead. As I'm sure you are aware the process involves potentially dangerous hydraulic chemicals being forced into the ground, but when this cracks and penetrates the rock much of it will become trapped and/or pass through the porous rock. Asides from financial gain I see no other gains from this process. It can also pollute the air as well as damaging the bedrock on which our county lays.

I myself am a graduand engineer, with no Eco-warrior disillusionment but from past efforts we can easily understand why this system has the potential to cause real dangers to the environment.

Could you please inform me of the benefits to allowing this process to be carried out, and the fall back plan of action when we conclude that chemicals such as arsenic and vanadium are on the increase in the vale air and water.

Sincerely,

Mr Harris

#Concerns about environmental and human health effects associated with hydraulic fracturing include the contamination of ground water, risks to air quality, the migration of gases and hydraulic fracturing chemicals to the surface, and the potential mishandling of waste.<sup>[16]</sup> The potential costs associated with possible environmental clean-up processes, loss of land value and human and animal health concerns are proven facts. A 2010 EPA study "discovered contaminants in drinking water including: arsenic, copper, vanadium, and adamantanes adjacent to drilling operations which can cause illnesses including cancer, kidney failure, anaemia and fertility problems".<sup>[17]</sup> The EPA said a broad range of sources are being investigated, including agricultural activity, but noted gas drilling as a potential cause.<sup>[17]</sup> In an opinion column June 2010, the Wall Street Journal mentions that EPA administrator Lisa Jackson had informed Congress that there were no "proven cases where the fracking process itself has affected water".<sup>[18]</sup>

ACK	5/10/11
NO	8/2
ACTION BY	SR
RECEIVED	
DEER	

05/10/2011

**O'Keefe, Kevin T**

**From:** shirley mcculloch [REDACTED]

**Sent:** 04 October 2011 18:47

**To:** Planning & Transportation (Customer Care)

[developmentcontrol@valeofglamorgan.gov.uk](mailto:developmentcontrol@valeofglamorgan.gov.uk)

Quoting planning reference no. '2011/00812/FUL'

I wish to register my opposition to the proposed drilling on Llandow, planning reference as quoted above .

< yours sincerely

Shirley McCulloch

05/10/2011

**JKeeffe, Kevin T**

**From:** Hanna Campbell [REDACTED]  
**Sent:** 05 October 2011 15:42  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Planning reference no. '2011/00812/FUL'

Dear Sirs

**Planning reference no. '2011/00812/FUL'**

Please note my strong objection to the above planning application.

Yours faithfully

**Hanna Campbell**  
**Trainee Solicitor**

[REDACTED]  
Direct Dial: [REDACTED]  
Horse Solicitor, Commercial House, Commercial Street, Llantwit Major, CF61 1RB

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D.E.E.R
RECEIVED
ACTION BY: SJB
NO: PG1
ACK: 6/10/11

**O'Keefe, Kevin T**

**From:** Ball, Steve J  
**Sent:** 06 October 2011 08:31  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: No to drilling - Llandow

**From:** Andrew Campbell [REDACTED]  
**Sent:** Wed 05/10/2011 15:39  
**To:** Thomas, Rob  
**Subject:** No to drilling - Llandow

Dear Sirs

I hereby register my opposition to the proposed drilling. Please advise if there is any further action required to formalise objection.

Yours faithfully

**Andrew Campbell**  
**Principal Solicitor**

Bikelawyer

Direct Dial: [REDACTED]  
 Bikelawyer, Motorcycle Accident Solicitors  
 Commercial House, Commercial Street, Llantwit Major, CF61 1RB

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D.E.E.R
RECEIVED
ACTION BY: SIB
NO: P092
ACK: 6/10/11

06/10/2011

# Dinas Powys Community Council

## Cyngor Cymuned Dinas Powys

Swyddfa'r Cyngor  
Neuadd y Plwyf  
2 Heol Britway  
Dinas Powys  
Brô Morgannwg  
CF64 4AF

Ffôn

Ebost:

Mr. D. R. Thomas  
Head of Planning & Transportation  
The Vale of Glamorgan Council  
Dock Offices, Barry Docks  
BARRY, Vale of Glamorgan CF63 4RT



Council Office  
Parish Hall  
2 Britway Road  
Dinas Powys  
Vale of Glamorgan  
CF64 4AF  
Telephone  
Ema

18<sup>th</sup> October 2011

Dear Sir,

RE: **PLANNING APPLICATION NO. 2011/00812/FUL - LLANDOW INDUSTRIAL ESTATE -  
DRILL AND TEST FOR THE PRESENCE OF SHALE GAS**

Although Dinas Powys Community Council has not been invited to comment on the above application, Councillors are keen to let the Planning Committee know how extremely concerned they are of the effect that the drilling and exploration for shale gas could have on the environment across the whole of the Vale now that it is being reported that shale gas could be present from Swansea through to Cardiff.

The process of drilling down, creating tiny explosions to shatter and crack hard shale rocks to release the gas inside which is assisted by the pumping of a liquid cocktail of water, chemical and sand into rock under high pressure to release methane gas, represents real and substantial risks to people, the environment groundwater and water supplies.

In light of the suspension of operations and pending investigation at the Cuadrilla Site in Lancashire near Blackpool following two small earthquakes of 1.5 and 2.2 magnitude while fracking operations were ongoing, it is clear that there is a need to appraise all the evidence before any agreement is given to drilling operations at Llandow.

The EU, Planning Policy Wales and The Tyndall Centre all advocate precaution in authorising projects which carry significant risks and are insufficiently understood.

The US Environmental Protection Agency has launched a research programme to improve understanding of the risk with initial results expected towards the end of 2012.

The UK Energy and Climate Change Parliamentary Select Committee Inquiry has recommended that on balance there should be a moratorium on shale gas exploration.

France has also banned fracking and the German State of North Rhine Westphalia has recently called for a halt to plans for fracking.

As our regulators seem to be hopelessly ill-prepared for the rapid development of shale gas exploration in the UK, Dinas Powys Community Council therefore urges the Planning Committee to refuse this application and call for a moratorium on any activity in the Vale.

Hopefully this decision albeit not on sound planning principles will result in an Appeal to the Welsh Government which hopefully will lead to the Department of Energy and Climate Change calling for a UK moratorium on shale gas exploration until such time that there has been an appraisal of all worldwide evidence, a full risk assessment and the appropriateness of the current regulatory framework has been established.

Yours faithfully

F. A. BUTLER (MRS)  
Acting Clerk

To: "James, Jeffery (Cllr)" <HJWJames@valeofglamorgan.gov.uk>  
developmentcontrol@valeofglamorgan.gov.uk

## LATE REPS FOR 20<sup>th</sup> OCTOBER PLANNING COMMITTEE

Barry/Vale Friends of the Earth  
Cyfeillion Y Ddaear, Y Barri/A'r Fro  
Co-ordinator Keith Stockdale,  
14 Robert Street, Barry CF63 3NX

19th October 2011

to Chair and Members of the Planning Committee,  
Vale of Glamorgan Council.

### **Vale of Glamorgan planning application on Fracking at Llandow 2011/00115/FUL**

We write on the assumption that Councillors might wish to reject this application, but are unable to find the Officers' report helpful in this regard. We draw support from the 29<sup>th</sup> Sept. letter to Gordon Kemp from Carwyn Jones.

Our case is that this letter gave the Council a clear steer for shale gas to be given wider consideration and treated more restrictively than applications for well-known coal and conventional oil/gas extraction. You can best do that by treating it as *staged EIA-development*.

The applicants say "*with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply*".

- ▲ This accepts it is not simply test drilling, but exploration leading to exploitation. It could and should be treated as the initial part of a staged application.
- ▲ This dismisses environmental impacts with the assertion it is a "clean energy supply", which can and should be challenged at this stage.

The officers dismiss the first point with "there are no justifiable or sustainable grounds for objection to the current proposal on the basis that it may lead to such future development".

- ▲ Let's point out this statement is not planning law, and is in particular contrary to Environmental Impact Assessment law, under which secondary, cumulative, short and long-term, permanent and temporary, as well as direct impacts including uncertainties have to be assessed (EIA Regs 1999 as amended)
- ▲ The First Minister's letter of 29<sup>th</sup> October to the VoG Leader stated a "precautionary approach should be taken" and "additional environmental considerations" included. It referred to Minerals Planning Policy Wales (MPPW) which specifies "an environmentally acceptable way" of operation and being "consistent with the principles of sustainable development" for unconventional gas development.

As the applicant has failed to show environmentally acceptable or consistent with sustainable development, MPPW says there's a

"case in land use planning terms for placing more restrictions on the development" than ordinary local environmental safeguards. These restrictions would in principle reflect the broader objectives of sustainable development and the UK's carbon targets.

On EIA-screening, the second Welsh Government letter of 29<sup>th</sup> Sept reminded the Planning Officer that the Council has responsibility for screening the application as possible EA-development (EIA Reg 4(5)). We think you would find no difficulty in deciding that the development of shale gas extraction would qualify as Schedule 2 and require EIA as likely to have significant effect on the environment, when the 'cumulation' criterion of Schedule 3.1 is included. It follows you

will decide the first part of this staged development also requires EIA.

Hence the lack of EIA with Environmental Statement is sufficient reason for rejecting the application. There has been no screening report, so no approval by the officers that would have to be overturned. You merely point out the authority cannot approve a permit without submission of an Env. Statement (EIA Reg 3(2)).

You will of course be told that for Blackpool, the local authority did not treat the fracking application as staged and requiring EIA. Nor did Bridgend over Maesteg. Both might be regretting their lax approaches. It's up to the Vale of Glamorgan with the implicit support of the First Minister to take this initiative.

We append extracts from the EIA Regs 1999 with interpretative comments.

Yours sincerely,  
Barry/Vale Friends of the Earth

**Extracts from EIA Regs** [interpretative comments in *italics*]

Schedule 2 2 (d) Deep drillings [*the total area of surface works over several extraction sites in the VoG (~4km apart) is very likely to exceed the indicative threshold of 1 ha*].

Schedule 3.1 The characteristics of development must be considered... the cumulation with other development... the risk of accidents, having regard in particular to substances or technologies used [*uses the bare word 'development' not 'the (particular) development'*]

Schedule 4.1 the physical characteristics of the whole development and the land-use requirements [*the words 'whole development' imply the whole of staged development*].



Dr Ian Johnson  
Celtic View  
Harbour Road  
Barry  
Vale of Glamorgan  
CF62 5SA

  
17<sup>th</sup> October, 2011.

To Whom It May Concern

**Planning Proposal: 2011/00812/FUL Drill and test the insitu lower limestone and associated strata for the presence of gas**

I wish to register my concerns regarding plans for a test drill site in the Llandow Industrial Estate.

I believe that the Vale of Glamorgan Planning Committee should refuse planning application **2011/00812/FUL** which relates to plans by Coastal Oil & Gas Limited to drill and test the insitu lower limestone and associated strata underneath Llandow in the Vale of Glamorgan for the presence of gas.

This request is upon the grounds that:

1. The use of non-renewable energies is against Welsh Government energy strategy, A Low Carbon Revolution, as expressed by the Minister for Environment, Sustainability and Housing in her cabinet statement, and which instead supports maximising energy resources from renewable sources. Gas is a non-renewable energy.
2. The increased noise heard in surrounding communities during the time in which drilling takes place.
3. The negative impact upon tourism and the Heritage Coast and Vale of Glamorgan brands which will result because of the drilling.
4. The intention of the drilling is to test for gas that, if present, will be accessed through a process of hydraulic fracturing which is of dubious environmental value. I believe that this application should be considered in the wider context of gas exploration and extraction in the south Wales area.
5. As part of this wider context, I believe it more appropriate for the Welsh Government to determine this application, and applications which may be submitted to other local authorities in Wales, where a consistent ruling and level of expertise may be applied.

6. That the European Commission intends to bring forward plans to regulate testing and exploitation of shale gas within the next year. I believe that any plans to test or exploit these reserves should wait until such guidance and regulation is brought forward.
  
7. If this application is to be dealt with by the planning committee at this meeting then they should do so in the knowledge of the likely impact and their ability to influence future events if the tests are successful.

On the basis of the information provided above, I believe that the Vale of Glamorgan Planning Committee should REFUSE planning permission for testing in Llandow.

NO.	17/10/11
ACTION BY	STB
RECEIVED	
D.E.E.R.	



Vale of Glamorgan Council

Head of Planning and Transportation  
Vale of Glamorgan Council  
Dock Office  
Barry  
CF63 4RT

18<sup>th</sup> October 2011

Dear Chairman and Members of the Planning Committee,

RE: Planning Application Ref 2011/00812/FUL

We have already written before concerning this application, expressing our objection on the grounds of existing Planning Policy. As your determination of this application will take place this Thursday, I hope you will not mind that I submit our objection in a much simpler way.

**Planning Policy EMP4 (Protection of Land for Employment Uses)** establish the following criteria:

**"On existing Employment Sites and Sites identified in Policy EMP1, development of uses that are not contained in Classes B1 (Business), B2 (General Industry) and B8 (Storage or Distribution) will not be permitted"**

**The above proposal is not within these use classes, and therefore cannot be located within the Llandow Industrial Estate.**

The procedures for exploration using one borehole, and extraction using more than one are in essence similar.

So the way of thinking that "one borehole could not do any harm", is just a hunch un-sustained, and lacking any proved certainty.

We need to request the submission of independent scientific data, before opening the gates of the Vale of Glamorgan to such a new gas "gold rush".

The Planning Policy basis is there, protecting the environment, the land for employment, and the public health. Should we act dismissing these Policies, we would be liable to be the object of a Legal Challenge based on Planning Policy neglect.

Lastly, the Planning Department's recommendation for the approval of this proposal is based on Policies that are contrary to this application. Therefore this recommendation is flawed.

**Policy MIN 1** mentioned on the Planners recommendation (although gas is not a mineral), establishes:

**"Proposals to carry out mineral exploration will be permitted unless there would be an unacceptable impact on any of the following: (i) Landscape character, (ii) visual amenity, (iii) nature conservation, (iv) residential amenity, (v) the Glamorgan Heritage Coast, (vi) surface**

**water and ground water resources, (vii) scheduled ancient monuments and historic landscapes.**

The possible impact on certain of the above items would constitute reasons for **refusing** such exploration.

The other Policy mentioned on the recommendation for the approval of this proposal is:

**Planning Policy ENV29 (Protection of environmental quality) which establishes: "Development will not be permitted if it would be liable to have an unacceptable effect on either people's health and safety or the environment:**

- (i) By releasing pollutants into water, soil or air, either on or off site; or**
- (ii) From smoke, fumes, gases, dust, smell, noise, vibration, light or other polluting emissions,"**

The third and last Policy mentioned on the recommendation for approval is **Policy ENV27 (Design of new developments)**, which really does not have any relation with the above proposal when one reads this policy. It concerns new developments, and say that these must have full regard to the context of the local natural and built environment and its special features. New development will be permitted where it: complements or enhances the local character of buildings and open spaces, meets the Council's approved standards of amenity and open space, ensures adequacy or availability of utility services, minimizes any detrimental impact on adjacent areas, etc.

So these three policies meant to explain the recommendation for the approval of this proposal, are in fact **contrary** to it.

Also, the planning officer's report notes that two similar boreholes have already been approved in Bridgend. There is there is no link or precedence to be acknowledged because this type of proposal has been successful in other areas. Each case should be considered on its own merits. The fact is that they were located in other isolated areas, unlike this application next door to business units and near a residential property.

There are hundreds of people in the Vale and beyond, hoping and expecting that the Council will take the right decision and either **refuse** this application, or **refers** it to the Welsh Government, for further study and determination. This was already wisely suggested by the Chairman of the Council Mr. Gordon Kemp.

Yours faithfully,

Louise Evans  
Founder  
The Vale Says No

Langlands,  
Sigingstone,  
Cowbridge,  
CF71 7LP

16<sup>th</sup> September, 2011.

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

We apologise for the lateness of this objection but we have been away from home for some time due to family problems and were unaware of the resubmission dates. We trust that our grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas will still be included when the planning application is considered.

Our home is one of the closest domestic properties to the proposed site and we are extremely alarmed and very concerned by this planning application as we are among the people who will be most affected by the noise and disturbance.

Whilst we appreciate that this is an application for merely exploration purposes, the concerns we also have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

Our main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.

- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Mr. S.C.Davies and Mrs. E.O.Davies

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

**OKeefe, Kevin T**

---

**From:** Julia [REDACTED]  
**Sent:** 19 September 2011 20:34  
**To:** Planning & Transportation (Customer Care)  
**Subject:** fracking at Llandow

2011/00812/FUL

I wish to register my objections to the proposed fracking at Llandow

It is an intrusion into our beautiful countryside and no one knows the longterm implications

Julia Evans

20/09/2011

Brekon Woods  
Craeg Penlyn  
Cowbridge  
CF71 7RT  
20<sup>th</sup> Sept 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

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My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
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- Water pollution is a real concern, with several private bore holes in the immediate vicinity -- though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A large black rectangular redaction covers the signature area, obscuring the name and any handwritten notes.

YOUR NAME

MRS JANET L BOOTH

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Bretton Woods  
Craig Penllyn  
Nr. Cowbridge  
CF71 7RT  
18<sup>th</sup> September

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

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Yours sincerely,

A blacked-out signature block, likely redacting the name and contact information of the sender.

YOUR NAME **MARTIN BOOTH**

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Old Parsonage  
Llancarfan  
CF62 3AG  
16<sup>TH</sup> September 2011-09-16

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

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**YOUR NAME**

**cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan**

**OKeefe, Kevin T**

**From:** Nicola Thomas [REDACTED]  
**Sent:** 20 September 2011 14:18  
**To:** Ball, Steve J  
**Cc:** Alun Cairns MP; John Griffiths; Thomas, Rob; James, Jeffery (Cllr)  
**Subject:** Planning Application No. 2011/00812/FUL  
**Importance:** High

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: F256
ACK: 21/9/11

MOUNT PLEASANT FARM  
 COWBRIDGE,  
 VALE OF GLAMORGAN  
 [REDACTED]

C6717AD

20th September, 2011

Steve Ball  
 Principal Planning Officer  
 Planning and Transportation Services  
 Vale of Glamorgan Council  
 Docks Offices  
 Barry  
 CF63 4RT

**RE: Planning Application No. 2011/00812/FUL**  
**Vale of Glamorgan Planning Department.**

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the

21/09/2011

noise associated with the total plant required to complete the proposed activity.

- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow Industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

#### **Section 23**

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

#### **Section 25**

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

#### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper Devonian* measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower Limestone Shales* below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m. Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed. Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### 3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken throughout the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- \* vehicle movements
- \* movement and placement of steel casing (est. 500m of)
- \* Movement and placement of drilling rods (est. 800m of)
- \* Generators associated with lighting gantries
- \* Generators associated with welfare facilities
- \* Grout batching plant needed for appropriate decommissioning to the borehole
- \* Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

### 4.0 Closing Comment

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.



Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

**Simon Thomas.**

21/09/2011

18 Cross Acre  
West Cross  
Swansea  
SA3 5NW  
20/09/11

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,  
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2011/00812/FUL**

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Gemma Bowers

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council

John Griffiths, Minister for Environment & Sustainable Environment,  
Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

21/9/11	AKK
2528	NO
STB	ACTION BY:
	RECEIVED
	DEER

**O'Keefe, Kevin T**

**From:** Nicola Thomas [REDACTED]  
**Sent:** 20 September 2011 14:07  
**To:** Ball, Steve J  
**Cc:** James, Jeffery (Cllr); Alun Cairns MP; John.Griffiths@Wales.gov.uk  
**Subject:** Planning Application No. 2011/00812/FUL  
**Importance:** High

D.E.E.R
RECEIVED
ACTION BY: SJB
NO P755
ACK: 21/9/11

SPLOTT FARM  
 ST DONATS, NR. LLANTWIT MAJOR, VALE OF GLAMORGAN.  
 [REDACTED]

20th September, 2011

Steve Ball  
 Principal Planning Officer  
 Planning and Transportation Services  
 Vale of Glamorgan Council  
 Docks Offices  
 Barry  
 CF63 4RT

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21/09/2011

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- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### 4.0 Closing Comment

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is commensurate with the Welsh Government's commitment to Sustainable Development?

Finally I am farming Splott Farm, on the St. Donats road, which is situated in a direct line between the

planned application site and the coast and I am concerned for the future should any water table contamination occur and how it will affect my animals and my crops. Are there any compensation measures being put in place should there be any environmental damage which may effect surrounding agricultural land both now and in the future as an ongoing result of this application.

Yours sincerely,

**Nicholas W. Thomas,**  
(Neighbouring farmer)

ACTION BY: SJB
NO: P753
21/2/11

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the



planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not have been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore

been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16:00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- vehicle movements
- movement and placement of steel casing (est. 500m of)
- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

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#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Lily Tomson

United World College of the Atlantic, St. Donat's Castle, Llantwit Major, CF611WF

[lily\\_tomson@hotmail.com](mailto:lily_tomson@hotmail.com)

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council

John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

**O'Keefe, Kevin T**

**From:** Timothy Draper [REDACTED]  
**Sent:** 20 September 2011 22:08  
**To:** Planning & Transportation (Customer Care)  
**Subject:** drilling at Llandow

Mr T J Draper  
7 Colhugh Street  
Llantwit Major  
CF611RE

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

**This industry supports a blunt technology that has many potential dangers to the environment and the people who live in the vale.**

**We are ignoring the local potential of renewable energies, especially the tidal movement in the severn estuary for a relatively small amount of gas.**

**It is therefore inflammatory and unjustified for the exploratory drilling to go ahead**

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce

21/09/2011

low status, prejudicing their future role and potential for inward investment in and for the Vale.

- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

Tim Draper

YOUR NAME

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
 John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
 Alun Cairns MP for the Vale of Glamorgan

ACK:
NO: 8751
ACTION BY: 503
RECEIVED
D.E.R

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date:

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

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regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



ACK
NO
ACTION E
RECEIVED
D.E.R

8747  
503

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date:

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Yours sincerely,

[Redacted signature]

ACK:	
NO:	9746
ACTION BY:	SJB
RECEIVED	
D.E.R	

18 Boverton Court  
Llantwit Major  
Vale of Glamorgan  
CF61 1UJ

21 September 2011

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

We write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. Our concerns and comments are detailed below.

Whilst we understand that the application is for exploration purposes only, exploration is clearly, directly and inherently linked to commercialisation of any potential resource. Our concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As we are sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

Our concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
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- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their

response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.
- Should the Vale become a gas mining area then residential and commercial property values will be severely undermined.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

As residents of Llantwit Major and parents of two young children we are deeply concerned at the prospect of this project and hope that the Vale of Glamorgan Council considers the negative effects that this will have on the environment, health and the local economy of the Vale and its residents.

Yours sincerely,

Emma & Robert Bunston

ACK:	22/4/11
NO:	9776
ACTION BY:	SJS
RECEIVED	
D.E.F.R	

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

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Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- \* vehicle movements
- \* movement and placement of steel casing (est. 500m of)
- \* Movement and placement of drilling rods (est. 800m of)
- \* Generators associated with lighting gantries
- \* Generators associated with welfare facilities
- \* Grout batching plant needed for appropriate decommissioning to the borehole
- \* Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Natalie Snuggs

(Resident of Llantwit Major)

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

**O'Keefe, Kevin T**

**From:** Nathalie shek [REDACTED]  
**Sent:** 21 September 2011 22:12  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Objection (Planning ref: 2011/00812/FUL)

Steve Ball  
 Principal Planning Officer  
 Planning and Transportation Services  
 Vale of Glamorgan Council  
 Docks Offices  
 Barry  
 CF63 4RT

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: 8774
ACK: 22/9/11

Dear Mr Ball,

Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

#### 1.0 Introductory Statement

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

#### 2.0 Summary of Key Concerns

My concerns regarding this exploratory application are:

The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.

I also understand that several employers located on the industrial estate have indicated

22/09/2011



that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.

The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.

Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.

There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### 3.0 Comments on Planning Applications and Supporting Information

In reviewing the information provided I noted the following:

#### 3.1 Planning Application

##### Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site. In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### Coastal Oil and Gas Ltd Accompanying Information

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the Upper Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the Lower Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

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Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitively of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have

indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

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Vacuum tankers required to tanker off extracted waters / drilling fluids.

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The significant number of typographical errors, not all of which are discussed above and inconstancies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Nathalie Shek

Alex Parr

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date:

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns

regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



ACK
NO: 8507
ACTION BY: SJR
RECEIVED
DATE

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date:

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

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- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns

regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



ACK:	
NO:	9088
ACTION BY:	573
RECEIVED:	
D.E.F.R.	



RECEIVED
ACTION BY: SJB
NO: 8805
ACK: 23/9/11

**O'Keefe, Kevin T**

**From:** Liz Millward [REDACTED]  
**Sent:** 22 September 2011 13:26  
**To:** Planning & Transportation (Customer Care)  
**Subject:** 2011/00812/FUL

Liz Hayes  
 79 Llanmaes Road  
 Llantwit Major  
 Vale of Glamorgan  
 CF61 2XE

22<sup>nd</sup> September 2011

Steve Ball  
 Principal Planning Officer  
 Planning and Transportation Services  
 Vale of Glamorgan Council  
 Docks Offices  
 Barry  
 CF63 4RT

Dear Mr Ball,

What follows is the standard objection letter from the Vale Says No Campaign. I would like to endorse this letter and add the following:

- Whilst this is an application for *test drilling only*, the published information from the applicant includes many references to the potential outcome of gas drilling in the Vale. Having published this information, it is obviously reasonable for the Council to consider objections to gas drilling rather than pretending that the two issues are unrelated.
- With regard to the test drilling, I have a serious concern about noise. From where I live on the edge of the town it is fairly easy to hear the 'go carts' at Llandow if the wind is in the right direction. I am advised that this is less noise than the proposed drilling will make - and moreover it is not at night, when sound travels more easily.

### **Exploratory gas borehole application - objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

#### **1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the Llandow area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. Any potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clearly unacceptable.

23/09/2011

## 2.0 Summary of Key Concerns

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made in the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

## 3.0 Comments on Planning Applications and Supporting Information

In reviewing the information provided I noted the following:

### 3.1 Planning Application

#### Section 15 – Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of its operation it is known that the site was used for the breaking up of aircraft.

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In light of the above Section 15 of the application is incorrect.

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Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

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## **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

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Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitively of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is

also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

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- vehicle movements
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It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given

that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Liz Hayes, by email

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

**O'Keefe, Kevin T**

**From:** Lesley Brinkworth [REDACTED]  
**Sent:** 22 September 2011 19:44  
**To:** Planning & Transportation (Customer Care)  
**Subject:** No fracking  
**Attachments:** Objection-letter-110912.doc

Dear Sir,

I object to the whole concept of fracking and so I am sending you an attachment with my reasons against, Please take time to read this as there are serious concerns,

Yours sincerely  
Lesley Brinkworth

23/09/2011

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Planning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.
- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the

planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.

- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 - Existing Use

Coastal Oil and Gas Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow Industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated waste to be encountered a conservative approach to its potential presence would have been expected and an indication of the potential for such materials would have therefore been expected



under the heading 'other'. Furthermore fuel oils and drilling muds / fluids will be stored neither of which have been stated by Coastal Oil and Gas Ltd.

### **3.2 Coastal Oil and Gas Ltd Accompanying Information**

I have also noted a number of inconsistencies within the Accompanying Information, these relate to the sites superficial and bedrock geology, proposed drilling depth and targeted strata reported by Coastal Oil and Gas Ltd. These are outlined below.

Section 1.0 para 3 states "to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the *Upper* Devonian measures to test for the presence of conventional gas." Section 1.0 Para 4 states that "The borehole is aimed primarily at the *Lower* Limestone Shales below the Limestone measures".

Section 1.0 para 3 states the borehole will be advanced to "a depth of approximately 650m". This is inconsistent with the depth indicated in Section 23 of the planning application, which is stated as 800m.

Section 6.5 indicates that a "a small thickness of glacial material overlying the Porthkerry Formation (Lower Lias) of Jurassic age". Section 7.8 indicates the presence of up to 5m of Made Ground (with which there is an inherent risk of man made contaminants) and that bedrock targeted is Carboniferous Limestone. It is also noted that Figure 1 indicates the borehole will be terminated in sandstone, not shale.

Based on the above it appears that superficial and bedrock geology underlying the site appears unclear to Coastal Oil and Gas Ltd as too are the objectives and targets for the proposed borehole.

Within Section 7.9, Coastal Oil and Gas Ltd have indicated the rig will be 12m high. The scale figures provided suggest a drill rig height of 8m high. The Drillcrop drilling rig specification on which the noise assessment has been based indicates a total mast height approaching 11m. The rig specification seems also therefore uncertain. This uncertainty suggests that the Noise Impact Assessment, discussed in more detail below, lacks robustness and may not be representative of the activities should they be completed.

Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

### **3.3 Hunter Acoustics Noise Impact Assessment (Ref 2594/ENS1) May 2011**

Section 3.1 para 1 appears to be an incomplete sentence. The time frame over which the baseline noise monitoring works were completed is not stated. It is also noted that the assessment has been based on a 6 week programme. Coastal Oil and Gas Ltd have indicated a 7-week programme with a 5-week drilling programme.

Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

**OKeefe, Kevin T**

**From:** Virginia Williams [REDACTED]  
**Sent:** 22 September 2011 19:09  
**To:** Planning & Transportation (Customer Care)  
**Subject:** No fracking  
**Attachments:** Objection-letter-110912.doc

Dear Sir,

Please find attached my objection letter to the proposed exploratory bore hole (fracking) which you are considering.

Yours sincerely

Virginia Williams

23/09/2011

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

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Further to the above I question whether the use of the single string drilling technique is in accordance with industry best practise and guidance for investigation of sites on which there is the potential for land contamination. This is of particular concern given the sensitivity of the underlying Secondary A Aquifer. It is noted that Coastal Oil and Gas Ltd incorrectly define this as a 'main' aquifer.

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Review of the data provided within the monitoring time histograms provided as an addendum to the report indicates that 24hour monitoring was not completed.

Monitoring was undertaken over a 19hour period between 16.00 and 10:00 hrs. Monitoring has therefore not been undertaken through out the proposed working period and I question therefore if the monitoring results are representative / typical of the time when the sources of noise will be operating?

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- \* vehicle movements
- \* movement and placement of steel casing (est. 500m of)
- \* Movement and placement of drilling rods (est. 800m of)
- \* Generators associated with lighting gantries
- \* Generators associated with welfare facilities
- \* Grout batching plant needed for appropriate decommissioning to the borehole
- \* Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconstancies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

Ms Virginia Williams

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government

41 Druids Green  
Cowbridge  
CF71 7BP  
17 September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the **potentially far-reaching consequences of this research activity for communities across the Vale.**

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- 1 The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
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- 4 Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- 5 The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Debra Boyland

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

RECEIVED
ACTION BY: SJB
NO: 0829
ACK: 27/9/11



41 Druids Green  
Cowbridge  
CF71 7BP  
17 September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

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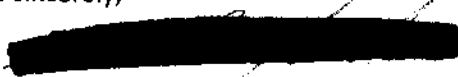
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Stephen Boyland

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

DEER
RECEIVED
ACTION BY: SJB
NO: 8928
ACK: 27/9/11

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

1 Byways  
Fair Cross  
Ewenny  
Bridgend

CF35 5AG

21-09-2011

Dear Mr Ball,

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A large black rectangular redaction box covering the signature area.

M<sup>rs</sup> R. A. Beckinsale.

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

1 Byways  
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CF35 5AG

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Roy S. Beckinsale

Sender Address:

19 GREYS DRIVE  
LLANTWIT MAJ  
CF61 2UQ

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- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



G M SNOWDEN

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



Sender Address:

19 GAELYS DRIVE  
LLANTWIT MAJOR  
CF61 2UQ

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
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- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



A black rectangular redaction box covers the signature of G. A. Snowden.

G. A. SNOWDEN

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Mark Snowden  
6a Pound Field  
Llantwit Major CF61 1DL

25 Sept 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A black rectangular redaction box covers the signature area. A thin line extends from the bottom right of the redaction box towards the name below.

Mark Snowden

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

19 Cwrt-y-Cadno  
Llantwit Major  
CF61 2SB

22<sup>nd</sup> September 2011

Mr Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory Gas Bore hole Application- OBJECTION,**  
**Planning Ref: 2011/00812/FUL**

We were devastated to hear that the application for an exploratory bore hole at the site in Llandow to search for shale gas had been resubmitted. Our objections are listed below:

- The amount of heavy drilling equipment and associated machinery, water tankers and site personnel who will have to be transported along our rural country roads. A single bus and a tractor have great difficulty trying to pass each other in this area.
- Possible water supply becoming contaminated? In the event of a major gas escape, or flood any persons being evacuated from the area would have to use *the same narrow local roads*.
- The impact this will have on our daily lives and environmental health. Continuous drilling 24 hours a day would be unbearable for the residents. May cause structural damage to surrounding properties.

continued/over....

- This site is close to the Heritage Coast, what effects will the drilling have on our land and the cliffs in the surrounding area.
- The site is surrounded by good agricultural land and breeding sheep and cattle. Stud farms and racing stables.
- In common with many rural areas we are trying to boost Tourism, we have managed to secure the National Eisteddfod at Llandow for 2012. We are known for our gold medal cyclists and cyclist teams who use the roads on a regular basis, their lives could be endangered by the extra industrial traffic.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

It would be appreciated if you would kindly bring our objections to the attention of the Planning Committee.

Yours sincerely,

[Redacted signature]

[Redacted signature]

Mrs M. Annette Robson  
Mr David J. Robson

**O'Keefe, Kevin T**

**From:** Fish and Bee [REDACTED]  
**Sent:** 25 September 2011 14:39  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Reject 2011/00812/FUL

Re planning reference 2011/00812/FUL

I would like to register our strong objection to the proposed drilling for shale gas in the Vale of Glamorgan. This can only lead to the ruination of the special peace and beauty of the rural Vale. Reject this application!

Thank you,  
Grace Hughes and Nadia Froud

D.E.E.R
RECEIVED
ACTION BY: <i>STB</i>
NO: <i>1829</i>
ACK: <i>26/9/11</i>

26/09/2011

**O'Keefe, Kevin T**

---

**From:** Penny Weedon Kerr [REDACTED]  
**Sent:** 26 September 2011 14:44  
**To:** Planning & Transportation (Customer Care)  
**Subject:** 2011/00812/FUL

Having just returned home from a trip, we do hope we are not too late to register our objections to the proposal listed above. We objected to the previous abandoned proposal as well and feel that the circumstances have in no way changed to make us favour the drilling now.

Penny and Tony Kerr  
7 Orchard Lodge  
Boverton  
Llantwit Major  
Vale of Glamorgan  
CF61 1UH

27/09/2011



**O'Keefe, Kevin T**

**From:** Nat Snuggs [REDACTED]  
**Sent:** 22 September 2011 11:19  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Proposed fracking  
**Attachments:** fracking letter.doc

To Whom it May Concern

Please find attached my letter regarding the proposed fracking works in the Vale of Glamorgan.

Yours faithfully

Natalie Snuggs  
(Llantwit Major resident)

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: 1775
ACK: 22/9/11

22/09/2011

20 Church Hill Close, Llanblethian, Cowbridge,  
Vale of Glamorgan, UK CF71 7JH

Mr. Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Books Office  
Barry  
CF63 4RT

19<sup>th</sup> September, 2011

Your Ref: 2011/00812/FUL

Dear Sir,

PLANNING APPLICATION NO. 2011/00812/FUL

LOCATION: UNIT 1, LLANDOW INDUSTRIAL ESTATE

PROPOSAL: DRILL AND TEST THE IN SITU LOWER LIMESTONE AND  
ASSOCIATED STRATA FOR THE PRESENCE OF GAS

I wish to register my strong objection to the above proposal, which I consider inappropriate at this location, and likely to be detrimental to the economy and the environment. My reasons are as follows:

### 1. SETTING

Historically, the Vale has never been an industrial area, and the surrounding landscape remains agricultural. The road leads to the Heritage Coast, and nearby are businesses involved with recreation and leisure, such as Llandow Caravan Park, Llandow Racing Circuit and Sheeplys Hotel for Horses (supported by Creative Rural Communities).

Members of the public go to Vale Business Park (Llandow Industrial Estate) to visit showrooms, such as that at Topstak, displaying top-of-the-range woodburners and bespoke kitchens. To have a drilling rig operating on site, and clearly visible from the road, would strike a jarring note and deter customers. Established businesses, trading successfully and creating employment, would be adversely affected by a speculative venture.

The National Eisteddfod is to be held at Llandow next year, and the local community has made a huge commitment to fundraising and ensuring the success of this great gathering and celebration of Welsh culture. Gas drilling in the vicinity would be totally unacceptable.

### 2. NOISE

The unsociable hours of operation mean that residents and businesses will suffer disturbance. Drilling would take place 24 hours a day 7 days a week, with continuous noise and vibrations, and lighting at night. Sound does travel in this area because of the prevailing winds, and possibly because of

2. NOISE (continued)

the limestone. Ricing at Llandow can be heard in Llanblethian, and the drill site is nearer.

3. POLLUTION

It is to be hoped that an exploratory borehole would not lead to pollution from a gas blow-out, or contaminated land. There are serious concerns about water pollution as the site is close to the Cowbridge aquifer and a number of private boreholes.

4. TRAFFIC

While appreciating that the Applicants have taken advice on this matter, and have agreed to avoid Llyswoimey Village, the prospect of increased traffic (such as tankers and skips) on the B4270 Cowbridge to Llantwit Major road is most unwelcome. The Vale's Highways Officers are well acquainted with the problems of the road, and a 40mph speed limit was introduced along a particularly dangerous stretch with an accident blackspot. A traffic survey in 2008 found that 5,000 vehicles per day travelled along this stretch. It is a country road, unlit, varying in width with narrow sections and bends, and this is a rural area without the infrastructure to support any gas extraction industry.

5. POLICY

The proposal is in conflict with the Vale Council's policy on regeneration and boosting tourism. Nothing should be allowed to jeopardise this initiative, which has had a beneficial impact, improving amenities and services, even at a time of financial crisis.

I hope that my concerns may be taken into account in your determination of this Application.

Yours faithfully,

  
KATHERINE G. JONES

cc. Cllr. Jeff James, Cabinet Member for Planning and Transportation, Vale Council.  
Mr. Alun Cairns, MP for the Vale of Glamorgan

# DOVRILL LTD.

COMMERCIAL PROPERTY MANAGERS AND DEVELOPERS

Ridge Lea Park  
The Craig, Penallt  
Monmouth  
NP25 4RP

1 September 2011

For the attention Karen Kelly

LEL Properties Ltd  
Unit 35  
Vale Business Park  
Llandow  
Vale of Glamorgan  
CF71 7PF

Dear Karen


## FRACING FOR GAS UNITS 1 VALE BUSINESS PARK

I note unit 1 above have again applied for planning permission in respect of drilling for gas (fracing for gas).

As our units at 21A-K and units 22 are directly adjacent to unit 1 this operation will have a direct impact on their business through both noise and vibration, especially in respect of sensitive electronic equipment, laser operated machinery and other computerised equipment used by many companies today.

We have taken advice and feel the fracing process would be in breach of several of the terms and conditions laid out in our head lease for both units 21 and 22. We feel we should point out we would seek redress for any breach which may cause loss to our business.

Yours faithfully

  
Martin Dean

Directors: M R Dean  
S L Dean

Rob Thomas  
Head of Planning and Transportation  
The Vale of Glamorgan Council  
Development Control  
Dock Office  
Barry  
CF63 4RT

7 Fitzhamon Avenue  
Llantwit Major  
CF61 1TN

11<sup>th</sup> September 2011

Dear Mr Thomas,

**Re: Planning application number 2011/00812/FUL**

Thank you for your letter of 22<sup>nd</sup> August. I am appalled that Coastal Oil and Gas Ltd has resubmitted its application for planning permission to test drill for gas at Llandow.

The Vale of Glamorgan is a beautiful peaceful place, which has been chosen for the 2012 Eisteddfod. The Eisteddfod site of Llandow must not become a gas field, now or in the future.

I understand that the applicants would be test drilling 24 hours a day, 7 days a week, for 7 weeks, in a rural location, within earshot of my home town of Llantwit Major, as well as the small villages and scattered dwellings of the area. This would be intolerable, and I'm certain would contravene all planning rules.

I also wish to restate my opposition, on the grounds that if the test drill was "successful" this would lead to long term extraction using the fracking method. This technique has already caused pernicious damage and untold misery in poor rural areas of the USA. Here, I understand that the cocktail of chemicals used would be injected 700m down into the lower strata of our limestone rocks, then radiating outwards in all directions. This has the potential to permeate into our ground water, emerging far from the original site and far into the future. This technique is poorly understood, and imposes an unacceptable risk, just for the sake of someone trying to make a fast buck.

At this time in human history, we should be doing everything possible to reduce energy demand, and to use carbon-free ways to meet our needs. We have the technology to use the power of sun, wind and water as an endless source of free energy, without compromising our atmosphere, and turning Wales into a wasteland.

I understand that this is not viable grounds for planners to reject the application, so this letter is to register my objection to the test drilling, on the grounds that it would cause unacceptable noise, pollution, and extra traffic in our area.

I urge you to reject this planning application.

Yours sincerely

Annie Paine

Rec'd after decision

(file)

**O'Keefe, Kevin T**

**From:** Sherwood, Andrew (AM Support Staff, Liberal Democrats) [REDACTED]  
**Sent:** 20 October 2011 15:23  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: 2011/00812/FUL

Eluned Parrott AM objects to the above planning application in Llandow on the following grounds:

- Local roads are already congested and dangerous for pedestrians/cyclists. Some are without pavements and are often narrow.
- The process is poorly understood in terms of its consequences for the local environment and guidance from the Welsh Assembly is only applicable to other forms of minerals extraction
- There may be a noise impact on local residents as a result of the drilling and additional traffic

Eluned is willing to expand on these points as necessary.

**Andrew Sherwood**

**Political Assistant to Eluned Parrott AM**

Ymchwilydd Gwleidyddol i Eluned Parrott AC

**Assembly Member for South Wales Central**

Aelod Cynulliad Canol De Cymru



☎ Phone/Ffôn: [REDACTED]

✉ Email/E-Bost: [REDACTED]

✉ Correspondence to/Gohebiaeth: The National Assembly for Wales, Cardiff Bay, CF99 1NA

Any of the statements or comments made above should be regarded as personal and not necessarily those of the National Assembly for Wales, any constituent part or connected body.

Dylai unrhyw ddatganiadau neu sylwadau uchod gael eu trin fel rhai personol ac nid o reidrwydd fel datganiadau neu sylwadau gan Gynulliad Cenedlaethol Cymru, unrhyw ran ohono neu unrhyw gorff sy'n gysylltiedig ag ef.

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21/10/2011

**Lewis, Joanne C (EER)**

**From:** Tamsin Raymond [REDACTED]  
**Sent:** 11 September 2011 22:08  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Objection to proposed gas test drilling in Llandow

New Forest House  
Ystradowen  
Cowbridge  
Vale of Glamorgan  
CF71 7SZ  
11th September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this residential activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade I agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed seven weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods and equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale. As a student who hopes to one day set up a business of my own in this area, I deeply sympathise with existing business owners, and want to add my voice to theirs in objection to the proposed drilling.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though

Welsh Water do not record this in their response to the planning application.

- The presence of gas drilling and mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account, and make the right decision.

Yours sincerely,

Miss Tamsin Raymond

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

12/09/2011



237

**Lewis, Joanne C (EER)**

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**From:** ALAN CARR [REDACTED]  
**Sent:** 11 September 2011 17:57  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Application No. 2011/00812/FUL

Dear Mr Thomas, Mr Ball,

I submit this e-mail as formal notification of my objection to the above planning application submitted by Coastal Oil and Gas.

My objections are as follows:

1. Noise levels:

- at the first meeting at the Bear Hotel with Coastal Oil and Gas the company disclosed that the drill would produce 85 decibels. The acoustic report submitted with the above application has not used the same number and its accuracy should therefore be questioned.  
- the fact that the drilling will continue for around 6 weeks during the night is concerning. From approximately four miles away in Colwinston the go-karting track can be very clearly heard when the wind is from the south east and this produces similar noise levels.  
It is not adequate to merely test the noise levels at a few locations near the drill site. I am also sure that the go-kart track does not have permission to operate during the night for the reason that the noise levels would be unacceptable.

2. Contamination:

- extraction of considerable amounts of waste water leads to a high risk of leakage. Such instances are well documented in America, with devastating consequences on local farmland. Has the company got a proven track record handling this risk? It is not mentioned in the application.  
- when I moved to this area I had to have a radon and radium survey carried out due to the risk that it could be released from the rock. Has the company produced satisfactory evidence that this risk can be contained during the drilling? There is no mention of this even being considered in the application.  
- drilling through the aquifer could lead to contamination over time with a potentially disastrous effect on local farm water sources.

3. Seismic disturbance: the risk of drilling causing seismic activity has not been properly addressed. This drill will go deeper and for longer than most bore holes in the area. The impact of vibration especially on older properties has not been properly addressed in this application. Waiting to see if vibration has an effect and then possibly stopping the drilling would seem to open up the risk of structural damage without any compensation in place for those who own properties that suffer.

In general, this drilling will change the nature of the community and the environment in an adverse way with no offsetting benefits to the local residents. The application continues to overlook key risks as noted above. The drilling company is small and there is no proper compensation scheme in place for those unfortunate enough to suffer a loss.

Yours sincerely

Alan Carr  
The Old Vicarage  
Colwinston  
CF71 7NG

**Lewis, Joanne C (EER)**

**From:** MARGARET ROGERS [REDACTED]  
**Sent:** 11 September 2011 18:58  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Planning Application No. 2011/00812/FUL

Dear Sir/Madam:

**Drill and Test for presence of gas at Llandow**

As the owner of No.2 Sutton Road Llandow I would like to submit the following comments:

I believe the upstairs of the house will be in-direct line of sight of the drilling station. This house has suffered in the past from noise coming from the industrial estate with the level dependant on weather conditions. The situation is made worse due to the marked lack of tree screening along the site boundary, in line with the front of the house.

- \* the applicants are optimistic over the noise levels that can be met but will these be activity monitored during the drilling period and will there be measures to stop drilling if these levels are exceeded?
- \* it is an imposition that drilling is planned to run continuously for six weeks. Surely a weekend respite could be incorporated into the plans?

The planning application for the presence of gas will, if successful, be followed by a further application for gas extraction and with this in mind this application should not be treated in isolation from the following extraction application and its consequences.

Gas and Oil Companies have had a poor record on safety and environmental issues over recent years. Therefore it comes as no surprise with reports from North America, that the responsibility of local methane escapes (causing distress to the communities) on sites using the same fracking methods that would be used at Llandow, has been denied by the drilling company. It would prudent to conduct an environmental and geological survey and an exhaustive chemical analysis of ground water composition before any extraction takes place so any deterioration can be determined afterwards.

Drilling in the Vale would have a marked effect on the landscape, visitor numbers and tourism and the area would lose its status as the 'Garden of Wales'

Due to the controversial nature of the extraction process, the particularly fractured nature of the limestone layers in the Vale and the lack of UK Government involvement and leadership there seems little advantage in being in the first wave of this technology, better stand back and see what happens.

I hope you will consider all these issues when coming to a decision.

Regards,

Alan Rogers  
21 Llwyn-y-Groes  
Bridgend  
CF31 5AJ

12/09/2011

Franklin Court  
Llanmaes  
LLANTWIT MAJOR  
CF61 2XR

11 September 2011

Mr S Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
BARRY  
CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref:  
2011/00812/FUL**

I am writing to express my grave concerns regarding the resubmitted application for an exploratory bore hole at a site in Llandow to search for shale gas.

I am disturbed and very concerned by this planning application. Although I understand that this is an application for merely exploration purposes, my concerns relate to the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most valued parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods and equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and go away from the area should this application be approved. The Llandow Business Park is an essential employer for the Western Vale and allowing the exploration for

gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.

- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling and mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A black rectangular redaction box covering the signature of John Durrant.

John Durrant

Suffolk House,  
Chapel Road,  
Broughton,  
Cowbridge,  
CF71 7QR.  
10/09/2011

Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road  
Barry  
CF63 4RU

Dear Sirs,

**Exploratory gas bore hole Planning Application ref: 2011/00812/FUL**

I wish to express my great concerns regarding the resubmitted application for "exploratory" drilling at the site in Llandow to search for shale gas.

I am dismayed and very concerned by this re-submission of the planning application. Whilst I appreciate that **this** is an application ostensibly for "exploration" purposes, the worries I have are for the potentially far-reaching consequences of this investigation for communities across the Vale. If the exploration yields favourable results then it is **inevitable** that an exploitation/extraction application would follow and therefore this Planning Application for exploration purposes is in essence **no different** to that for an extraction/exploitation application.

The rural Vale is one of the most beautiful parts of South Wales and to allow the proposed drilling activities in such a sensitive area would be little short of authorised and indeed approved vandalism. As you know full well, the site is near to the Heritage Coast and you have refused other less intrusive applications because of the closeness of those sites to the Heritage Coast, of which you are supposed to be the guardian.

The major concerns regarding this exploratory application that I have are:

1. Not only will the drilling machinery itself create a substantial amount of noise for 24 hours a day, 7 days a week for 6 weeks (minimum), but also the associated noise levels of transport of equipment and other supplies associated with the drilling process will be significant and in summary the noise, traffic and general disruption that this will certainly create is categorically unacceptable.
2. The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses, prejudicing their future rôle and potential for inward investment in and for the Vale.
3. The impact on residents in the area will be significant too; from continual noise levels, increased traffic in the area, and concern over potential safety, environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

4. Water pollution is also a real concern, with several private bore holes in the immediate vicinity and even though Welsh Water do not record this in their response to the planning application, it cannot be ignored, especially given the proven problems encountered in similar geological environments in the USA.
5. The presence of gas drilling & extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan. In future, the Llandow site could well become established as a venue for other large-scale festivals and events; a possibility that would be completely scuppered by authorising this application.
6. There will be an unavoidable detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is crucial to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies and therefore to approve such a plan would seriously undermine these objectives.

I look forward to hearing of the rejection of this application but in the event that you do authorise it I and many others will expect to see a detailed, scientifically justified and fully convincing rationale for your decision.

Yours faithfully,



Dr R. P. Sheppard

CC Planning & Transport Department, VoG Council  
Cllr Jeff James, Cabinet Member for Planning + Transportation, VoG Council  
John Griffiths, AM Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan  
Leanne Wood AM  
David Melding AM  
Andrew Davies AM  
Eluned Parrott AM  
Jane Hutt AM

**Lewis, Joanne C (EER)**

**From:** saskia de jong [REDACTED]  
**Sent:** 10 September 2011 15:02  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Objection to Planning Application No. 2011/00812/FUL

Saskia de Jong  
Lecarrow,  
Drumkeeran  
Co. Leitrim  
Ireland

Date: 10.09.2011

To: Head of Planning + Transportation  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT  
UK  
mailto:developmentcontrol@valeofglamorgan.gov.uk

Ref: 2011/00812/FUL

Town and Country Planning Act, 1990 (as amended) Objection to Planning Application No. 2011/00812/FUL Location : Unit 1, Llandow Industrial Estate, Llandow Proposal : Drill and test the insitu lower limestone and associated strata for the presence of gas

Dear Sir,

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too - from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity - though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is

approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,  
Saskia de Jong.



"Annwyl Fan"  
St Brides Road  
Wick  
Cowbridge  
Vale of Glamorgan  
CF71 7QB.

The Vale of Glamorgan Council  
Planning Department  
Dock Office  
Barry Docks  
Barry  
CF63 4RT

10<sup>th</sup> September 2011

Dear Sir,

**Re: Planning Application 2011/00812/FUL**

**Location: Unit 1, Llandow Industrial Estate, Llandow**

**Proposal: Drill and test the insitu lower limestone and associated strata for the presence of gas**

I am writing to object to the above proposal and granting of planning permission for the testing and drilling for gas at Llandow. The operation of drilling will have a detrimental impact on the local community, and on the local environment.

Yours faithfully

Mrs E Webb

"Annwyl Fan"  
St Brides Road  
Wick  
Cowbridge  
Vale of Glamorgan  
CF71 7QB.

The Vale of Glamorgan Council  
Planning Department  
Dock Office  
Barry Docks  
Barry  
CF63 4RT

10<sup>th</sup> September 2011

Dear Sir,

**Re: Planning Application 2011/00812/FUL**

**Location: Unit 1, Llandow Industrial Estate, Llandow**

**Proposal: Drill and test the insitu lower limestone and associated strata for the presence of gas**

I am writing to object to the above proposal and granting of planning permission for the testing and drilling for gas at Llandow. The operation of drilling will have a detrimental impact on the local community, and on the local environment.

Yours faithfully

Mr M P Webb

Lewis, Joanne C (EER)

**From:** tyannleonard@gmail.com on behalf of Tyann Leonard  
**Sent:** 10 September 2011 10:50  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Planning Application No201100812/FUL

Mrs Tyann Leonard, The Rectory, Llandow, COWBRIDGE CF71 7NT

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road  
Barry  
CF63 4RU

developmentcontrol@valeofglamorgan.gov.uk

8th September 2011

Dear Mr Thomas

Re: Planning Application No201100812/FUL Please accept this letter as notification of my opposition to the above application by Coastal Oil and Gas Limited submitted to you on February 28th 2011.

I am concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences and also contaminate the surrounding rural area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US. This is not something that should be encouraged in the UK, least of all in Llandow. Unlike other similar applications in the UK, the proposed site is within a commercial community of small business users and much too close to residential properties.

I oppose the initial application not only to attempt to halt any further stages of this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 14 weeks of activity with 7 weeks continuous drilling, 24 hours a day. Vibration and noise from this operation will affect all the other businesses on the site and will also be heard here in Llandow Village. We cannot have more traffic using the road through Llysworney without further serious deleterious effects on that village and other road users I oppose this testing stage for gas drilling being undertaken in Llandow and urge the Vale of Glamorgan Council to ask the Welsh Government to call in this application as I believe the Vale Council to lacks the power to resist this on planning grounds alone

Yours sincerely,  
Mrs A F Leonard

8 Grove Road  
Llandow  
Cowbridge  
CF71 7NY

9<sup>th</sup> September 2011

Mr S J Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Dock Office  
Barry Docks  
Barry  
CF63 4RT

Dear Mr Ball

**Objection to exploratory gas bore hole application**  
**Planning reference: 2011/00812/FUL**

Thank you for your letter dated 22<sup>nd</sup> August appraising me of the revised application. I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas. All of the objections that I made in my letter objecting to the previous application remain and I would be grateful if you would consider this letter in conjunction with the previous one.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed seven weeks. Not only will the drilling machinery itself create a substantial amount of noise twenty-four hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided. Additionally it appears that the proposed noise levels do not accord with those presently occurring in other enterprises of this nature in the UK. We moved to Llandow last year for the peace and quiet of rural life; not to be exposed to this level of noise nuisance.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role

and potential for inward investment in and for the Vale. Local employment is already difficult with many villages being commuter bases for those working in cities. The public transport options from Llandow are insufficient to permit easy access to employment.

- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found. As very recent residents we fear that our peace and quiet will be shattered by this development.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling and mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan. Already in efforts to minimize this harm media sources such as Media Wales are describing the Eisteddfod as being in Barry; this is entirely untrue and misrepresenting the true location of the Maes. The Council would not be able to address the possibility that drilling would conflict with the Eisteddfod.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area. This will impact on all businesses but particularly those in the hospitality industry resulting in job losses.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely

Kate Hawkins

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

**Lewis, Joanne C (EER)**

**From:** Corralea Activity Centre [REDACTED]  
**Sent:** 09 September 2011 15:46  
**To:** Planning & Transportation (Customer Care)  
**Subject:** 2011/00812/FUL

We want to register our objection to this planning application: Ref: 2011/00812/FUL  
Gas drilling using "fracking" is dangerous and harmful to our environment.  
It destroys land, water, air and people's health. It should be banned.

Marius & Isabelle Leonard  
Corralea Activity Centre Ltd.  
Corralea,  
Belcoo  
BT93 5DZ

[REDACTED]

**Lewis, Joanne C (EER)**

**From:** [REDACTED]  
**Sent:** 09 September 2011 15:43  
**To:** Planning & Transportation (Customer Care)  
**Cc:** Alan.Tapp@uwe.ac.uk  
**Subject:** Test drilling at Llandow.

09/11/2011

Head of Planning and Transportation.

I wish to register my objection to the application for planning permission to test drill for gas at Llandow.

Yours,

Mrs Sylvia Tapp  
16 Picton Court  
Llantwit Major,  
CF61 2 XP

12/09/2011

**Lewis, Joanne C (EER)**

**From:** Ball, Steve J  
**Sent:** 09 September 2011 14:49  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: Planning Application No. 2011/00812/FUL

Please ACK by email, pint and log.

thanks

Steve Ball  
Principal Planner  
Planning and Transportation Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: 01446 704602  
e-mail / e-bost: [SJBall@valeofglamorgan.gov.uk](mailto:SJBall@valeofglamorgan.gov.uk)

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

 [Find us on Facebook / Cewch ddod o hyd i ni ar Facebook](#)

[Follow us on Twitter / Dilynwch ni ar Twitter](#)

*Consider the environment. Please don't print this e-mail unless you really need to.  
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*

**From:** Rob Forrest [REDACTED]  
**Sent:** 09 September 2011 14:13  
**To:** Ball, Steve J  
**Subject:** Planning Application No. 2011/00812/FUL

Dear Sir,

I would like to register my opposition to the above Planning Application.

Kind Regards,

**Rob Forrest**  
Director

**Sensor Techniques Limited.**  
21G Vale Business Park,  
Cowbridge,  
Vale Of Glamorgan.  
CF71 7PF  
UNITED KINGDOM


Tel: [REDACTED]  
Fax: + [REDACTED]  
Email: [REDACTED]  
Web: [REDACTED]

# SENSOR

[Loadcells.com](http://Loadcells.com)





6 Ty Draw  
Llandow  
Cowbridge CF71 7NW  
Vale of Glamorgan  


9<sup>th</sup> September 2011

Mr Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road  
BARRY CF63 4RU

Dear Sir

re: **GAS DRILLING IN THE VALE**  
Original Planning Application no.2011/00115/FUL

Please accept this letter as notification of my unequivocal opposition to the above planning application resubmitted to you by Coastal Oil and Gas Ltd. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the gas drilling process which could have catastrophic consequences to the surrounding area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the United States of America.

I oppose the application not only in order to halt any further stages in this process at Llandow but also because the testing stage will be extremely disruptive to the area. The associated noise and increase in traffic created by seven weeks of continuous drilling 24 hours *per* day is unacceptable.

I categorically oppose this testing stage for gas drilling at Llandow.

Yours faithfully

**Lewis, Joanne C (EER)**

**From:** Josephine Rogers [REDACTED]  
**Sent:** 09 September 2011 19:09  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Planning Application

I wish to register my objection to planning application Ref 2011/00812/FUL

Sincerely

J. Rogers

**Lewis, Joanne C (EER)**

**From:** [REDACTED]  
**Sent:** 09 September 2011 22:03  
**To:** Planning & Transportation (Customer Care)  
**Subject:** 2011/00812/FUL

Head of Planning and Transportation  
Vale of Glamorgan Council  
Dock Office  
Barry  
CF63 4RT

Wales is supposed to be leading the way (I LOVE WALES) in sustainability. North Wales, too, is in danger from the INVASION from England regarding Fracking for shale gas and CBM. I guess you are as corrupt as Westminster due to your pro fracking nature.

Come on Wales, Are you fracking mad?

You're going to look really stupid when the Fracking Ban comes about and all the peeps who invested in Fracking come to you wanting to know what happened to their money. Just tell them now. DO NOT INVEST IN SHALE GAS. and do them a favour. Do us all a favour.

Kind regards

Luke.

12/09/2011

**Lewis, Joanne C (EER)**

**From:** Arigna Gardener Prospect Cottage [REDACTED]  
**Sent:** 09 September 2011 23:15  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Planning.

Planning Ref: 2011/00812/FUL

To the Planning Officers,

I wish to object to permission sought by Coastal Gas and Oil Limited to test drill for natural gas in the Vale of Glamorgan. This drilling would involve the process of hydraulic fracturing which is dangerous to human and animal health. The process uses vast quantities of clean water to frack, what comes back up is laced with toxic chemicals. There would be 24/7 noise and traffic. It would involve a lot of extra traffic on the roads. In the US there have been many examples of private wells being contaminated with methane and lastly in Blackpool there is strong evidence to suggest that 2 earthquakes there earlier this year were caused by hydraulic fracturing.

Bridget M Foy.

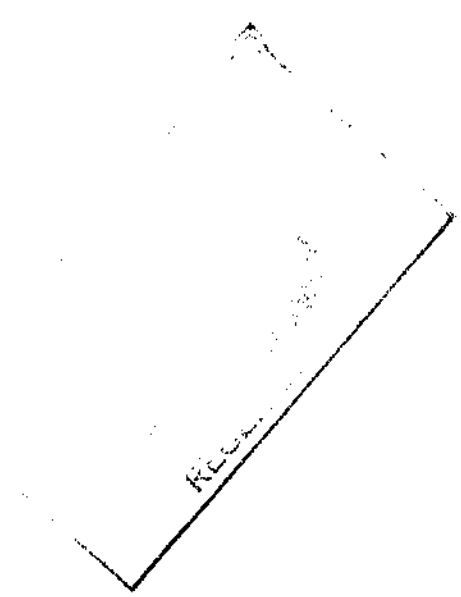
12/09/2011

**Lewis, Joanne C (EER)**

**From:** Ron Crewdson [REDACTED]  
**Sent:** 10 September 2011 20:46  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Object

I would like to lodge my objection to the planning application ReF 2011/00812/FUL

R.Crewdson  
[REDACTED]



D.E.E.R
RECEIVED
ACTION BY: 573
NO: 8480
ACK: 12.9.11

**Lewis, Joanne C (EER)**

**From:** Erika Marks [REDACTED]  
**Sent:** 10 September 2011 02:31  
**To:** Planning & Transportation (Customer Care)  
**Subject:** planning reference no. '2011/00812/FUL'

RE:planning reference no. '2011/00812/FUL'

To the planning officers

Object to the planning reference no. '2011/00812/FUL'

I do not believe that anyone should be given permission to test drill for natural gas.

- The Hydraulic Fracturing process uses a cocktail of highly toxic chemicals which can leak into the ground and contaminate water sources.

The consequences of being exposed to these chemicals can be devastating to humans, flora and fauna. This has already been widely

documented at sites throughout the US and round the world.

- Chemicals used during 'Hydraulic Fracturing' are released into the air and breathing them can be extremely damaging to health.

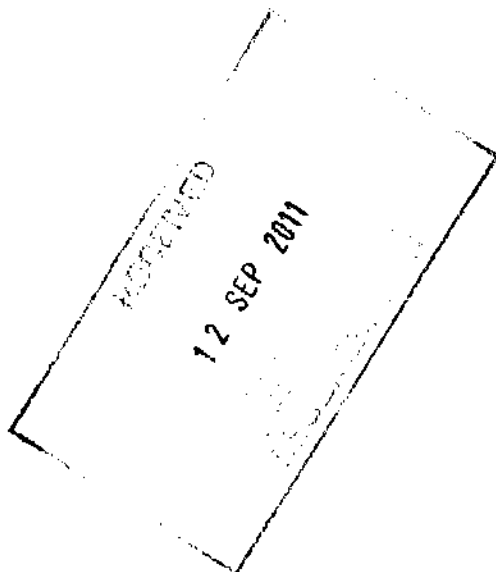
- Hydraulic Fracturing requires the haulage of tens of 1000's of litres of liquids and tons of sand and concrete. This will not only destroy

the road infrastructure in the region, but cause major, ongoing and permanent delays to every other road user.

The roadways at Llandow are not sufficient to cope with any more traffic.

Although this is merely an application to undertake 14 weeks of exploratory operations at Llandow, with 7 weeks continuous drilling, should these tests prove successful for the applicant 'Coastal Oil and Gas Limited', then what follows will have irreparable, long-term, disastrous effects on Llandow, the Vale and its residents for generations to come. The people in their immediate and surrounding area stand to lose their rights to clean water, air and peaceful enjoyment of their lives, and the area will suffer further major drops in property values.

Erika Marks  
 Turna, Carrick-on-Shannon, Co. Roscommon, Ireland  
 [REDACTED]



D.E.E.R
RECEIVED
ACTION BY: SJ3
NO: 8479
ACK: 12/9/11

12/09/2011

The Piermaster's  
31, Grove Place,  
Penarth  
CF64 2LB

September 6<sup>th</sup> 2011

Steve Ball Esq.  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A large black rectangular redaction box covers the signature area. Above the box, there are faint handwritten marks that appear to be the initials 'S Y'.

Stella Y. Westmacott (Mrs)

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



Tel: [REDACTED]

217  
1 Mill Park  
Cowbridge  
Vale of Glamorgan  
CF71 7BG

8 September 2011

**Planning application Ref 2011/00812/FUL**

Dear sir/madam

I wish to object to the above application on the following grounds:

**1. Shale gas extraction**

The exploration is to pave the way for gas extraction using a process which is known to be controversial, not least in that there could be permanent contamination of groundwater. Unpolluted water reserves may well be required by future generations.

Until the question of whether the extraction process is proved beyond reasonable doubt to be safe is resolved it would be very unwise and irresponsible to permit exploration. If gas is found at the site the fact the Council had permitted exploration (at considerable cost) could be interpreted by any applicant for extraction as at least a partial consent.

**2. The test drilling**

The test drilling would create noise. At my previous address on Broadway, Llanblethian sound from the Llandow circuit when in use was always audible, frequently loud enough to create a nuisance depending on the wind direction and cloud cover. This was audible and annoying through closed double glazed windows. At the same time the noise could be heard as far away as Castle-upon Alun. Curiously, on the road next to the circuit the noise level did not appear to be exceptionally high.

In summary, the planning committee should be aware that sound from Llandow can be propagated over a wide area in conditions of low-medium level cloud cover, a not uncommon occurrence. This could create a nuisance to residents some distance away including those in Cowbridge and Llanblethian, particularly at night.

Yours sincerely

[REDACTED]  
John Sherwood

The Vale of Glamorgan Council  
Development Control  
Dock Offices  
Barry Docks  
Barry CF63 4RT

F.A.O. Mr S. Ball

e-mail: JohnSherwood@atalanta.plus.com

10 Court Close  
Aberthin  
Cowbridge  
CF71 7EH  
6<sup>th</sup> September 2011

Mr S Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection, planning ref: 2011/00812/FUL**

We wish to express my concerns regarding the resubmitted application for an exploratory bore hole at Llandow Industrial Estate to search for shale gas. We appreciate that this is an application for merely exploration purposes, but there can be no getting away from the reality that this exploration could lead to an application to produce gas using the highly controversial process known as Fracking.

With regard to the application to drill at Llandow our concerns are the potentially far-reaching consequences of this research activity for communities across the Vale. There is a high level of farming in the area which would be damaged by potential pollution and it is close to the Heritage Coast, a major factor in the Vale's tourist industry.

Other major concerns are:

- Noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day at levels approaching [and possibly exceeding] the volume associated with a jet aircraft passing overhead. Aircraft noise passes quite quickly but this noise will be at that level continually for a significant part of the 7 weeks.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow Industrial Estate is an essential employer for the Vale and allowing the exploration for gas would undermine existing businesses and prevent new businesses coming to a location ideal for new small to medium size companies operate. These are precisely the type of businesses the UK needs in these difficult economic times.
- The impact on residents in the area will be significant too, apart from the constant noise levels there will be increased traffic in the area, and concern over potential

environmental and health concerns regarding escaping gases and water contamination found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity This applies to the exploration process as well as any future extraction plans for the area.
- The presence of gas drilling would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. We trust that you will take our objections into account.

Yours sincerely,



David Brook OBE



Gloria Brook

5 Green Farm  
Sigingstone  
Cowbridge  
Vale of Glamorgan  
CF71 7LP

Mr Rob Thomas  
Head of Planning  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Thomas,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to object to the resubmitted application ref: 2011/00812/FUL for an exploratory bore hole at Llandow to search for shale gas.

As a resident I am very concerned by this planning application, whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales it is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as

a shop window for general economic and tourism investments in the Vale of Glamorgan.

- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Nicola Williams

ACK: 18/11/11
NO: 845
ACTION BY: SJB
RECEIVED
D.E.R.

219  
5 Shakespeare Drive  
Llantwit Major  
CF61 1WW  
8<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too, from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes (particularly the local Caravan Park) is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Elisabeth A Gabb



Eric J Gabb

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
 John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
 Alun Cairns MP for the Vale of Glamorgan

17 SEP 2011

ACK: 10/09/11
NO: 8454
ACTION BY: JS
RECEIVED

**Vale Physiotherapy**  
**Hafod Y Fro**  
**Sigingstone**  
**Cowbridge**  
**Vale of Glamorgan**  
**CF71 7LP**

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

6<sup>th</sup> September 2011

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

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- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.



- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A large black rectangular redaction box covering the signature of the sender.

Mrs Kathy Williams MCSP

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Hafod Y Fro  
Sigingstone  
Cowbridge  
Vale of Glamorgan  
CF71 7LP

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

6<sup>th</sup> September 2011

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A black rectangular redaction box covers the signature area. A small, faint mark resembling a ring or a small loop is visible above the top-left corner of the redaction.

Mr Rhodri Williams MB, MCh, FRCS

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

REF P/DC/SJB/2011/00812/FUL

Bryn-y-fro,  
Nash,  
Cowbridge,  
CF71 7NS  
09 09 2011



Mr S.J Ball  
Vale of Glamorgan Council,  
Dock Office, Barry Docks,  
Barry,  
CF36 4RT

Dear Sir,

Re: Planning Application No 2011/00812/FUL Llandow Industrial Estate

With reference to the above planning application I wish to object to it on environmental, health and safety grounds.

1. I consider it is introducing heavy industry (mining) into an area of light industry and agriculture with some housing.
2. The drilling process uses drilling fluids and water to dissolve the shale/mudstone any spillage of these could be detrimental to the land. Drilling vibration also could possibly upset the underground water systems affecting animal and human health
3. With respect to noise pollution the tests were carried out in May when the day was fine and there was little wind and the results were low. No other tests were undertaken at other times or under different conditions. Noise pollution should not be based on this. From my house, depending on the wind, I can hear traffic on the B4256 and the train horn from Llandow. If I can hear these I imagine I would be able to hear constant noise from drilling especially at night. I can only imagine what it would be like for workers on the industrial estate and the effects on their health.
4. Although I noted in the application that the lights round the site would be shielded there will always be reflected light which could have ecological impacts by disrupting the ecosystem for bats and other nocturnal creatures. It could also have an effect on humans who are upset by any form of light outside at night.
5. I would like to know if this company looked into the effects of drilling on seismic activity in the area, especially since drilling was stopped in the Blackpool area after two small earthquakes occurred. There have been seismic events in the past and these have occurred all along the coast from Gwent to Cardigan.
6. If shale gas is NOT found to be present after the core sample is taken then this area will have been severely inconvenienced for seven weeks. Some people may have been affected healthwise as well. On the other hand if gas is found to be present do the long term costs of

damaging gas drilling (fracing) outweigh its benefits? I think not. I am sure there are other ways that energy can be produced without damaging future generations health and well being.

If the Vale of Glamorgan wants to encourage tourism and agriculture in this area then it should say NO to this planning application.

Yours faithfully,

A thick black horizontal bar redacting the signature of P Ribbans.

P Ribbans (Mrs)

274

A & G Autos  
Unit 21E  
Vale Business Park  
Llandow  
Cowbridge  
Vale of Glamorgan  
CF71 7PB  
3<sup>rd</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns

regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A black rectangular redaction box covers the signature area, with some faint handwritten marks visible above it.

S H AICKEN

YOUR NAME A & G Autos

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

A.W. ELLIOTT 213

2 TAIRCROES. COTTAGE

TAIRCROES

CF35 5AG.

V. of Glam

9-9-11

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 9-9-11

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

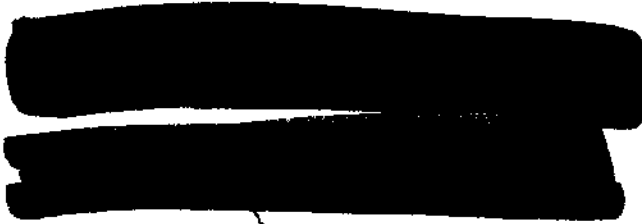


substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

The signature and name of the sender are completely redacted with black ink, appearing as two thick, horizontal black bars.

Hafren  
High Meadow  
Llantwit Major  
Vale of Glamorgan CF61 1RQ

9 Sep 2011

Mr. S Ball  
Principle Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan council  
Docks Office  
Barry CF63 4RT

Dear Mr. Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

We are writing to express our grave concern and alarm regarding the resubmitted application for an exploratory bore hole at the site in Llandow.

Whilst appreciating that this is an application for exploration purposes our concerns are for the potentially far reaching consequences of such exploration for our communities across the Vale of Glamorgan.

It is difficult to understand why any company would even consider such an activity in such a precious and sensitive area. We are close to the heritage coast and next to grade one agricultural land, very little of which exists across the Vale.

The main concerns regarding this application are:

**Noise levels during the proposed seven weeks.**

Not only will the drilling machinery itself create a substantial level of noise 24 hours a day, but the associated noise levels of movement of metal rods and equipment associated with the drilling process will be significant and in addition to the data provided.

**The impact on local business.**

This is already an issue with several businesses located on the industrial estate noting that they will move away from the area if this application is approved.

**The impact on residents.**

This will be considerable:-

constant high noise levels, increased traffic and concern for the local environment and health of residents.

Also of considerable concern to residents is the threat of substantial drop in house values, devastating the whole economy should shale gas be found.

Water pollution

This is of real concern with several private bore holes in the immediate vicinity.

Undermining of investment already made.

The investment made by the Vale in securing the Nations Eisteddfod at Llandow will be a 'shop window' for general economic and tourism. This would be totally incompatible with gas drilling and mining in the area. Many investors and potential visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local business and recreational purposes is of vital importance to the Llandow, Llantwit Major and Cowbridge communities as well as to the Vale Authorities strategy and to Welsh Government policies.

We hope that you will take our very strong objection into consideration.

Yours sincerely,

David J Morfett



Christine V Morfett



Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

GAS DRILLING IN THE VALE  
Re: Original Planning Application No. 2011/00115/FUL

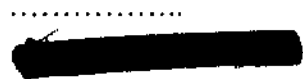
Please accept this letter as notification of my unequivocal opposition to the above planning application re submitted to you for a second time by Coastal Oil and Gas Limited. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences to the surrounding area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US.

We oppose the initial application not only to halt any further stages in this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic will create is not acceptable.

We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....  


Address.....

Green Isaf  
Hartmut Rd  
Wick  
Cowbridge CF71 7RD

D.E.E.R
RECEIVED
ACTION BY: <i>SJB</i>
NO: <i>9443</i>
ACK: <i>12.9.11</i>

*[Faint, illegible text]*

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

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The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US.

We oppose the initial application not only to halt any further stages in this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic will create is not acceptable.

We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....  


Address...*111 Fitzwilliam Avenue,  
Llandow, Llanelli  
Vale of Glamorgan  
CF63 4TP.*

D.E.E.R
RECEIVED
ACTION BY: <i>SJB</i>
NO: <i>9442</i>
ACK: <i>12-9-11</i>

*12 SEP 2011*

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

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Re: Original Planning Application No. 2011/00115/FUL

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

..... 

Address..... MAES YR NAF  
LLANMAES,  
CF61 2XR

D.E.E.R
RECEIVED
ACTION BY: <i>STB</i>
NO: <i>1241</i>
ACK: <i>R. 9.11</i>

*[Faint handwritten notes and stamps]*  
17 SEP 2011

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

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Re: Original Planning Application No. 2011/00115/FUL

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....



Address..... *Hone Cottage*  
*Welshgate St*  
*Llandow Vale*

D.E.E.R
RECEIVED
ACTION BY: <i>SJB</i>
NO: <i>8440</i>
ACK <i>2.9.11</i>

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....

[Redacted signature]

Address.....

MAES YA HAF  
LLANMAES  
CF62 2XR

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: 8434
ACK: 12.9.11

12 SEP 2011



Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

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The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US.

We oppose the initial application not only to halt any further stages in this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic will create is not acceptable.

We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....  


Address.....*Stone Cottage,  
Cefnmeibon St  
Llandow Major*

D.E.E.R
RECEIVED
ACTION BY: <i>SJB</i>
NO: <i>PL38</i>
ACK: <i>12.9.11</i>

12 SEP 2011

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

GAS DRILLING IN THE VALE  
Re: Original Planning Application No. 2011/00115/FUL

Please accept this letter as notification of my unequivocal opposition to the above planning application re submitted to you for a second time by Coastal Oil and Gas Limited. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences to the surrounding area.

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

[Redacted signature]

Address...  
155th Street  
Llandow  
CF63 4RU

D.E.R
RECEIVED
ACTION BY: 573
NO: 8437
ACK: 12.9.11

12 SEP 2011

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

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Re: Original Planning Application No. 2011/00115/FUL

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

Address.....

28, Dyffryn  
Marian Major  
CF63 29A

D.E.E.R
RECEIVED
ACTION BY 5JB
NO: 9436
ACK: R.911

RECEIVED

17 SEP 2011

PLANNING  
4th Floor  
Barry

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....  


Address.....

D.E.E.R
RECEIVED
ACTION BY: <i>SJB</i>
NO: <i>8435</i>
ACK: <i>2.9.11</i>

12 SEP 2011

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

GAS DRILLING IN THE VALE  
Re: Original Planning Application No. 2011/00115/FUL

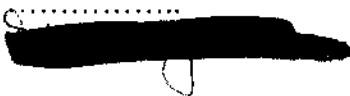
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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....  


Address.....

15 LLYS DEWI  
KLANTWIT MAJOR  
CF61 2UB

D.E.E.R
RECEIVED
ACTION BY 573
NO: P-34
ACK: 29/11

.....  
12 OCT 2011  
.....

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

GAS DRILLING IN THE VALE  
Re: Original Planning Application No. 2011/00115/FUL

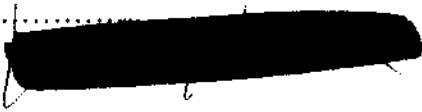
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We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....  


Address...  
14, 16 Cottages  
Cocknow Street,  
Llandow  
CF61 1RE

D.E.E.R
RECEIVED
ACTION BY: SJB
NO: 8433
ACK: 29.11

2011  
11/29/11

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

"ANCHORS AWAY"  
TAIR CROES  
EWENNY  
VALE OF GLAMORGAN  
CF35 5AG  
Date: 9th September 2011

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

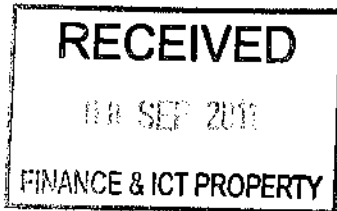
Yours sincerely,

A black rectangular redaction box covers the signature of the sender.

CHERRY CADWALLADER

NB I LIVE ONLY 3 MILES FROM THE PROPOSED SITE OF THE EXPLORATION, I HAVE LIVED THERE FOR 36 YEARS I AM APPALLED BY THE APPLICATION FOR ALL OF THE ABOVE REASONS





Broughton Court  
Broughton  
Cowbridge  
CF71 7QR

5<sup>th</sup> September 2011-09-06

Re:- Planning Application 2011/00812/FUL

Dear Sirs

We wish to register our objections to the proposed development by Coastal Oil and Gas on the Llandow Industrial Estate.

We believe that there should be regulation in place for Hydraulic Fracturing and until there is a debate in Parliament on the methods, safety and economic benefits of this operation, it should not be permitted by Local Authorities.

We wish to be kept informed about the progress of this application.

Yours faithfully



Dr D and Mrs R Hoskin

CARMEL  
5 Mars-y-fa  
Llandanw  
CF71 7  
8.9.1

Steve Ball  
Principal Planning Officer  
Doehs Office  
Bury CF63 4RT.

Dear Mr. Ball,

Exploratory gas borehole application ref 201/00872

We wish to express our concerns regarding this application. As residents of Llandanw, we will undoubtedly be affected by such an application, and its far-reaching consequences for all value communities.

We are part of a beautiful Heritage Coast and Countryside, and wish to keep it as such.

Our main concerns include:-

1. Noise levels during these weeks of exploration from drilling and also traffic noise + pollution. Our roads are not built to take such heavy traffic. Already some of our elderly villagers find it very difficult to manoeuvre the crossroads, onto the Blyswanwy road.
2. Our local businesses will inevitably lose trade as people will be discouraged from using the Testate at those times. Certainly, any new businesses will be reluctant to set up at Llandanw.
3. Potential environmental & health concerns (eg water pollution) disturb us greatly as a family with four children.

through because of the proposed developments  
We are deeply concerned about a potential  
fall in house prices, as a new firm  
as our family is highly likely, with  
wide prospects at present

5. A boom in tourism in the near future -  
by National Trust at Eisteddfod in August - is expected  
Such drilling would have a detrimental  
effect on these plans. Our villagers are  
working together at present for ideas to  
promote our beautiful, peaceful village,  
as a centrepiece for the Eisteddfod. This  
development would be too close for  
comfort!

We trust you will take our strong  
objections into account and reject any  
such applications in the future, as a  
matter of conscience.

Yours sincerely,

Tim & Delyth Allen.

DEER
RECEIVED
ACTION BY <i>JS</i>
NO: <i>11/5</i>
ACKD <i>11/11</i>

**GreenFarm Consultants**

5 Green Farm, Sigingstone, Cowbridge, Vale of Glamorgan, CF71 7LP

---

Mr Rob Thomas  
Head of Planning  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

9/9/11

Dear Mr Thomas,

**Exploratory gas bore hole application – objection, planning ref:  
2011/00812/FUL**

I want to object to the resubmitted application ref: 2011/00812/FUL for an exploratory bore hole at Llandow to search for shale gas.

As a local business owner I am very concerned by this planning application, whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales it is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big

threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Graham Owen  
Technical Consultant

ACK: 18/11/11
NO: 0430
ACTION BY: JB
RECEIVED
D.E.R.



Llandow Classics Ltd  
Unit 27A Vale Business Park  
Cowbridge  
CF71 7PF



Mr Rob Thomas  
Head of Planning  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

9/9/11

Dear Mr Thomas,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential

---

“Dedicated to the usable classic motorcycle.”

[www.llandowclassics.co.uk](http://www.llandowclassics.co.uk)



Llandow Classics Ltd  
Unit 27A Vale Business Park  
Cowbridge  
CF71 7PF



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Yours sincerely,



Nicola Williams  
Director

"Dedicated to the usable classic motorcycle."

[www.llandowclassics.co.uk](http://www.llandowclassics.co.uk)

ACK: RPH
NO: 8429
ACTION BY: [Signature]
RECEIVED
DEER

1 Mill Park  
Cambridge  
Vale of Clun  
CF 71 7BB  
8/9/11

Dear Mr. Ball,

Exploratory Gas Bore Hole Application -  
Objection, Permit Ref: 2011/00812/FUL

---

I write to express my objections  
to this resubmitted application for exploring  
the Llandow site for possible shale gas.

Noise levels produced by such  
an operation would be quite horrendous,  
as would an increase in the traffic level  
for this rural area. The Llandow trading  
estates, valuable small businesses &  
this region's economy, would be devastated.

Quite apart from all this,  
I am deeply concerned that such explorations  
can easily give rise to a shale gas



extractions industry - one which has not yet been thoroughly examined internationally for its impact on the community health & safety of local residents. Surely this idea of an exploratory gas bore hole contravenes legislation protecting the population? Before any such operation is permitted, the UK government should examine all effects.

I urge the Vale of Glamorgan Council to refuse this application forthwith.

Yours sincerely,



(Mrs E. ALDEN)

DEER
RECEIVED
ACTION BY <i>SLB</i>
NO: <i>8444</i>
ACK: <i>11/5/01</i>

Sixwells Farmhouse  
Vale Business Park  
Cowbridge  
Vale of Glamorgan  
CF71 7PF

*8th SEPT 2011*

Mr Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas. I live close by the site and I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A solid black rectangular redaction box covering the signature of Roger Clevett.

Roger Clevett

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

**GAS DRILLING IN THE VALE**  
Re: Original Planning Application No. 2011/00115/FUL

Please accept this letter as notification of my unequivocal opposition to the above planning application re submitted to you for a second time by Coastal Oil and Gas Limited. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences to the surrounding area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US.

We oppose the initial application not only to halt any further stages in this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic will create is not acceptable.

We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....

[Redacted signature]

[Redacted signature]

Address.....

*1 Felsh Meadow  
Skewton Major  
CF61 1RU*

Mr R A & Mrs F J Butters  
42 Livingstone Way  
East Vale  
St Athan  
Vale of Glamorgan  
CF62 4JG

---

8<sup>th</sup> September 2011

Mr R Thomas  
Head of Planning & Transportation  
Vale of Glamorgan Council  
Civic Office  
Holton road  
Barry  
CF63 4RU

Dear Mr Thomas

**Gas Drilling in the Vale – Original Planning Application No 2011/00115/FUL**

I write to advise you that I am unequivocally opposed to the above planning application, submitted to you for the second time by Coastal Oil and Gas Ltd.

I am very definitely concerned about the impact of these operations on the Vale should this application be successful and am firmly convinced that the proposed process will have catastrophic consequences to the rural area. Hydraulic “fracking” is already known to have had detrimental effects in the USA.

The process is not the only thing that will be detrimental to the area, the noise and traffic this drilling will cause 24/7 is totally unacceptable and for these reasons I am totally opposed to this application being granted.

Yours sincerely



Mr F J Butters

190  
WOLF HOUSE, LLYSWORNEY, VALE OF GLAMORGAN CF71 7NQ

EMAIL [REDACTED]

8<sup>th</sup> September 8, 2011

The Planning Officers  
Vale of Glamorgan Civic Offices  
Holton Road,  
Barry CF63 4RU

Application: 2011/00812/FUL  
Coastal Oil and Gas Ltd  
"To drill and test for presence of gas"

Dear Sirs,

I write to express my strong objection to this application. The potential danger to our environment through the industrial processes that will be used is huge. Even though this application is for "exploration", there will still be great danger of the water courses being polluted, the large aquifer beneath the Llandow area being permanently poisoned and the noise from drilling 24 hours will be totally unacceptable in our rural Vale. (I do not believe the noise level figures the applicant has indicated – nor should you)

Added to the above objection, there is bound to be increased traffic on a road that is already wholly inadequate to serve the Llandow Business Park and Industrial Estate. There will be no economic benefit whatsoever to the Vale (no employment opportunities) and, if the project goes forward to exploitation of any gas, the Vale will be spoiled forever.

I urge you to pass the responsibility for refusing this application to the Welsh Government.

Yours faithfully,

[REDACTED]  
Martyn Hurst

Clawdd-y-Mynach Farmhouse  
Monknash  
CF71 7QP  
09 September 2011

**Via Special Delivery Post and E-mail**

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express grave concern regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas. As editor of an international news publication based in the Vale and downstream of any runoff from this site, we have covered the issue of oil and gas exploration via hydraulic fracturing at some length. To date three US states, France and the province of Quebec in Canada have issued temporary and/or permanent bans on the practice because of the now noted build-up of methane gas in the water supply and the side effects from the 181 chemicals, used in the process.

The question is: why, in light of scientific evidence and direct government action to ban this practice around the globe, would The Vale consider allowing this exploratory well to be dug without further verification and national/UK direction? This issue has become a political football between The Vale, Welsh Government and Westminster. Until decisions and environmental protections have been taken at a national and UK level, The Vale would be wise to delay, cancel or withdraw this application altogether.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale. The beauty of the Glamorgan Heritage Coast comes from its layering of limestone sediments over 400 million years. Between each row visible on Dunraven Beach are cracks. The end costs to the Council could also become quite steep were anything to go wrong in the bore hole well or subsequent fracturing activities.

As our UK Progressive Magazine Sustainability Editor, Theodora Filis in New York noted:

“Communities around the world will be faced with costs for baseline-testing of water pollutants, emergency response, health department monitoring of complaints, property tax assessment changes, building and repairing roads, and waste water treatment facilities.

Samples of flowback fluids in Pennsylvania and West Virginia have shown concentrations of cancer-causing chemicals that weren't included in the list of Department of Environmental Conservation's (DEC) hydraulic fracturing chemicals, and that in some instances the

concentration of a single one of these carcinogenic chemicals exceeded 0.5% of the fluid – which is the purported total concentration of all chemicals in fracking fluid.

Despite the obvious hazards and dangers of pumping 300 tons of toxic chemicals into the ground, governments around the globe now back corporate strategies strongly favouring the exploitation of oil and gas reservoirs in environmentally sensitive areas.

France, believed to have some of the biggest natural gas reserves in Europe, became the first country this summer, to put an outright ban on fracking. France's bill to ban fracking, but not shale gas exploration itself, was drafted by the country's ruling UMP party after months of protests by environmental activists concerned that the process contaminates drinking water. Earlier this year, France's government granted energy giants exploration permits for work without public consultation, but announced a temporary freeze on shale gas exploration in February.

France's ban on fracking came on the heels of reports that the US state of New York was about to lift its de facto moratorium on fracking, which has had an informal ban on the process since 2008. New York State is expected to lift the ban the beginning of 2012. New York's new rules will ban the practice in state parks and watershed areas, but will be issuing permits after December elsewhere.

The government of Quebec has halted all shale gas drilling until it can conduct its own in-depth analysis."

Too, a 4.3 earthquake Thursday evening, in a part of The Netherlands where there has been no such activity in the past, has been attributed by scientists to fracking activity.

The applicant goes to great length to describe the process of drilling without mentioning any of the chemicals that will be used in drilling the bore hole. Typical borehole drilling fluids include compressed air, water, polymers, water-based mud (WBM), oil based mud (OBM) and Synthetic based mud (SBM). This last group of the almost whimsically sounding 'polymers,' even from the bore hole, would create run-off and drainage issues into neighbouring business and farmlands. If indeed they also use fracturing chemicals to drill this preliminary hole they pose a significant environmental, health and safety risk.

A geologist in attendance at the (Transition Cowbridge) Wales meeting said, "the nature of our fragile coast's beauty is the 400 million years of limestone layering our soil. When you walk along Dunraven Beach and look at those cliffs you see the cracks in the cliff bedrock and those cracks are where these chemicals will burst through to the surface in every farmer's field from St. Athan to Bridgend."

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is 2 miles from the Heritage Coast, directly draining along the Water Street approach to the sea and is next to areas of housing and Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:



- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided. Applicant is trying to convince councillors that the test drill decibel level will only marginally exceed that from a standard hand drill. This is a preposterous representation. Trucks continuously rolling onto and off the site alone will exceed that level.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too, of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

Finally, this is an industry noted for significantly understating risks to achieve its financial objectives. They claim all will be under control and nothing can go wrong. Experience though should teach us to verify every issue raised here independently of the company's claims.

This industry attempted to pass off a massive month's long oil spill in the Gulf of Mexico as much less of a risk and volume than it was. Now researchers are discovering that the chemical dispersants used to break up the BP Horizon Gulf Oil spill is causing a dramatic increase in cancers across the region.

This industry downplayed by 80% the amount of oil spilled last month in the North Sea when a leak occurred. It has similarly downplayed the amount of oil spilling from a pipeline underneath the Yellowstone River in the national park. They promise immediate response to problems but their history around the globe precedes them and in that history they only act when forced to.

This is an industry which committed public relations bold-faced lies on the BBC Newsnight documentary two years ago saying fracking was not causing the increase of methane gas coming into people's tap water kitchen stands, whilst simultaneously trucking in water for their personal use? Councillors, know that they will say anything to begin drilling. What guarantees does the Council have and are you willing to put your own jobs on the line if you allow this to go forward?

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A black rectangular redaction box covers the signature area. A thin, curved line is visible above the box, possibly representing a signature or a scribble.

Denis G. Campbell  
Resident and Editor, UK Progressive Magazine

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan  
Rob Thomas, Planning Officer, The Vale of Glamorgan

SOUTHMEAD  
LLANDOW  
COWBRIDGES  
CF71 7PY

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 11/9/11

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

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substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A black rectangular redaction box covering the signature area of the letter.

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date:

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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A black rectangular redaction box covering the signature of the sender.

M. (V. A. M.)

Owen Griffiths  
149 Albany Rd  
Cardiff CF24 3NT

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.

- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.

- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

While my home address is in Cardiff, I run an annual event in the Vale Of Glamorgan which would be adversely affected by this application.

Yours sincerely,



Owen Griffiths

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



127  
Michaela Richter  
4 Ewenny Rd  
Wick  
CF71 7QA  
09.09.2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

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This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

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- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Michaela Richter

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

17 SEP 2014

ACK: 12/9/11
NO: 8421
ACTION BY: JHS
RECEIVED
D.F.E.H

189  
The Kingsfield,  
Fulstrey Road,  
Havant, Hants,  
CF11 7TB  
10/09/11

Steve Bull

Principal Planning Officer,  
Valley of Pembrokeshire Council  
Barris,  
CF63 4RT.

Dear Mr Bull,

I wish to object to the application  
for an exploring bore hole at Llanidloes to search  
for shale gas - Ref 2011/00810/FUL.

There are several houses on the  
Llanidloes road which will be affected. Some have  
small trees which will be removed and gas drilling will  
not encourage investment.

Health concerns from escaping  
gas and water pollution. I find it a great worry.

— There will be a great impact  
on the area from the noise, extra traffic, a  
drop in house prices and tourism.

I thought the achievement  
of securing the Pembrokeshire at Llanidloes  
would encourage tourism and generate  
investment but I can't see this happening if  
drilling is allowed.

I realize this is an application

to explore only but I believe the consequences  
are fair working for all commodities in the  
value as I strongly object.

Yours sincerely

[Redacted signature]

P.S. I think people in Wales should be able to vote  
on this issue re-shale gas exploration and  
extraction.

17 SEP 2011

RECEIVED
ACTION BY: JLC
NO: 4423
ACK: 17.09.11

184

The Longfield  
Fackley Road  
Mantlethorpe  
Val of Glamorgan  
CF79 7SD

September 16<sup>th</sup> 2011

Steve Bull

Principal Planning Officer  
Valle of Glamorgan Council  
Doctor's office  
Barry  
CF63 4FT

Dear Mr Bull

I am writing to voice my objection to the planning application, ref: 2011/00812/001 to undertake exploratory down hole drilling for shale gas. Such activity will inevitably cause a great deal of disruption to those of us that live & work in the Vale. This is an area of great beauty that will be adversely affected, with noise, increased traffic and loss of business and tourism. I hope you will consider the long term consequences of a successful application. Although that is only

for exploratory drilling, allowing the application  
to effectively agreeing to a full application  
and the future of this area.

I believe it is a very dangerous step to  
grant the application and I hope you sense  
the wisdom of your action and reject this  
application.

Yours sincerely

[Redacted signature]

D.E.R
RECEIVED
ACTION BY: <i>STB</i>
NO: <i>7272</i>
ACK: <i>115011</i>

REGISTRATION
AND
12 SEP 2011



Six Wells Farmhouse  
Vale Business Park  
Cowbridge  
Vale of Glamorgan  
CF71 7PF

Phone: [REDACTED]  
Fax: [REDACTED]  
Mobile: [REDACTED]  
Email: [REDACTED]

FAO Mr S J Ball  
Principal Planning Officer  
Planning and Transportation Services  
The Vale of Glamorgan Council  
Dock Office, Barry Docks  
BARRY  
CF63 4RT

8 September 2011

Re: Application No. 2011/00812/FUL

Proposal: To drill and test the insitu lower limestone and associated strata for the presence of gas.

Representation from nearby residence: We wish to oppose this planning application.

Dear Mr Ball

We are disturbed and very concerned by this planning application within the Vale of Glamorgan, which is one of the most precious parts of South Wales with its Heritage Coast and areas of Grade 1 agricultural land. We would like to express our grave concerns regarding the resubmitted application for an exploratory bore hole on the Vale Business Park to test for the presence of shale gas.

Our main concerns regarding this application are:

- The noise levels during the proposed 7 weeks drilling. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, **(Please see the attachment to this letter regarding the noise assessment submitted in support of this application)** but the associated noise levels created by extra traffic, operation and movement of the ancillary equipment and constant manipulation of drilling materials (mud mixing and metal rods), will be significant. These additional activities and noise fluctuations have not been factored into the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. High noise levels over a sustained period, with no potential for respite, would seriously compromise the ability of some businesses to conduct their day to day business. The Vale Business Park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant due to concerns over potential environmental and health issues with regard to escaping gases and water contamination.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity. The application contains a site drainage plan and refers to rainwater collection and removal offsite (ref: application form item 13). Please note that the concrete pad upon which the site is to be based is not intact and also not perfectly level. Both of these factors will mean that the installed 4inch bund and sealed interceptor will not be effective because both surface rainwater and any spillage will

simply seep away to groundwater. The use of tankers for offsite disposal will not be practicable unless the rainwater and spillages are collected effectively.

- The presence of exploratory drilling would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory drilling application is approved, as many investors and visitors alike will turn away from a potential gas mining area.
- The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

I trust that you will take our strong objections into account whilst considering your recommendations to the Planning Committee.

Furthermore, please consider the following:

- We believe that this planning application should not be judged and assessed in isolation because the activity that has been applied for is an integral first step in a foreseen commercial exploitation process for shale gas (if confirmed) which has much higher risks of environmental contamination on a very large and widespread scale. In assessing this exploratory application, account should be taken of the risks represented for the whole process from exploration to commercial exploitation.
- National Planning in Wales is governed by Planning Policy Wales which states in its section on the environment, paragraphs 13.1.1 and 13.12.1 that:  
"the planning system has an important role in avoiding or minimising the adverse effects of any environmental risks on present or future use and that the potential for pollution affecting the use of land will be a material consideration in deciding whether to grant planning permission".

Should your decision be to recommend approval of this application, I would strongly urge you to also consider that the following conditions be additionally met:

- There should be a full investigative survey made by an independent body (preferably the Environment Agency) of baseline readings for groundwater contamination, air pollution, noise and vibration levels around the site for comparative purposes should there be any cause for investigation during or following the exploratory drilling or any subsequent activity on the site.
- It is possible that the assumptions made in their noise assessment will not match the reality on a consistent basis, therefore CO&G should be required to give their assurance that they will cease operations immediately and take whatever remedial action may be necessary to eliminate any noise nuisance should it occur at any point during operations.

Yours sincerely



Capt. PM & Mrs DJ Bowers

Attachment:-

Comments regarding the contents of the Applications Appendix 4 Document entitled "Llandow Noise Assessment" with supporting documentation.



# Comments regarding the contents of the Applications Appendix 4 Document entitled "Llandow Noise Assessment"

Re: Application No. 2011/00812/FUL

Proposal: To drill and test the insitu lower limestone and associated strata for the presence of gas.

I am not qualified in any way to assess this document from an expert's point of view, however, I would like to document my observations on the contents of the assessment for the record:

1:

## Section 5.2 Predicted Noise Levels

The source noise level used in the Assessment is 74dB as advised to the consultants in an email from Oliver Taylor of CO&G dated 21/01/2011. Manufacturers specification for a drill rig has been supplied in the last few days following enquiries from a local group but surely, since this activity has already been started in other parts of the UK and in the USA, then the applicants should be able to provide actual data collected during operations rather than theoretical figures?

I believe that the source sound level has been seriously understated, thereby rendering the entire Assessment unreliable. My reasoning is based on the following:

- At a Public meeting in Cowbridge in April, Mr G Williams of Coastal Oil & Gas, when asked, stated that the sound level of the drilling rig would be 85dB.
- I have a portable suitcase generator, manufactured by Honda. This is the quietest generator on the market for domestic use and the sound output in the specification is 75dB (see document 1 attached). Can a large drilling rig really operate more quietly than this generator?
- Actual measurements (as opposed to specification data) from sound tests on several different types of operating rigs in the UK for various contractors have shown the noise levels from the drilling rigs to be in the range 103-106dB, far in excess of the stated level for this application.  
*Source: Measurement data by Spectrum Acoustic Consultants as published in a noise assessment survey submitted for similar drilling activity in Lancashire in 2010 (see pages 6/7 in document 2 attached).*
- The source figure quoted by CO&G is for a specific drill rig only. It does not consider the possibility that the specific drill rig that they propose to use may not be available when they need it nor does it consider the cumulative impact of noise from ancillary equipment and operational activities on site, e.g. generators, compressors, traffic and equipment handling.

2:

## Section 4.1 World Health Organisation Guidance:

Their report states that BS4142:1997 (which is the method normally used for assessing the effect of industrial noise on residential premises) advises "The method is not suitable for assessing the noise measured in buildings or when the **background and rating** noise levels are **both** very low.

Their report further states that "Minimum consistent background noise levels measured are therefore considered to be very low".

These statements appear to contradict each other which seems to suggest that as both background and rating noise levels are **not both** low, then BS4142:1997 should be used? Why has it not been?

Furthermore, the guidelines that have been used in the report (WHO sleep disturbance limits) are specifically for community noise assessment which is not applicable in this case as the noise is clearly from an industrial source. What would be the outcome if BS 4142:1997 were to be used?

3:

The report does not show any details of the calculations or allowances made in assessing the noise impact on residences in the area. The impact of weather conditions and wind direction on the results do not appear to have been considered nor is there any consideration of the effects of frequency variations in the noise profile.

Signed:



Captain PM Bowers

8th September 2011

# 11. SPECIFICATIONS

## Dimensions and Weight

Model	EU20i
Description code	EAAJ
Length	510 mm (20.1 in)
Width	290 mm (11.4 in)
Height	425 mm (16.7 in)
Dry weight	21.0 kg (46.3 lbs)

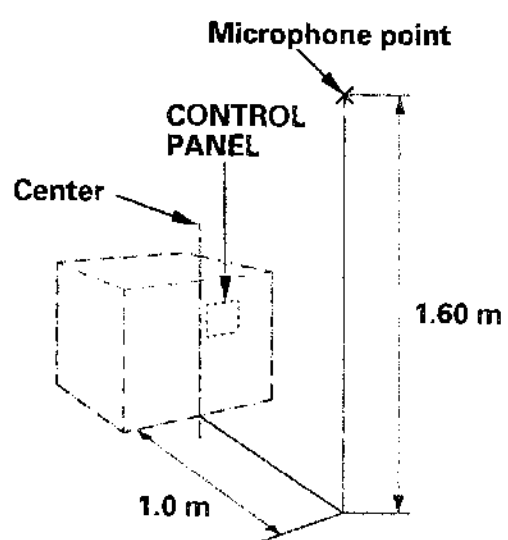
## Engine

Model	GX100
Engine type	4-stroke, overhead camshaft, single cylinder
Displacement	98 cm <sup>3</sup> (6.0 cu-in)
Bore × Stroke	56.0 × 40.0 mm (2.20 in × 1.57 in)
Compression ratio	8.5:1
Engine speed	4,300–5,000 rpm (with eco throttle switch OFF)
Cooling system	Forced air
Ignition system	Full transistor
Oil capacity	0.40 ℓ (0.42 US qt, 0.35 Imp qt)
Fuel tank capacity	4.1 ℓ (1.08 US gal, 0.90 Imp gal)
Spark plug	CR5HSB (NGK)

## Generator

Model	EU20i	
Type	G, GP3, GW, B, F, W	U
Rated voltage (V)	230	240
Rated frequency (Hz)	50	
Rated Ampere (A)	7.0	6.7
Rated Output (VA)	1,600	
Max Output (VA)	2,000	
Rated output	Only for charging 12 V automotive batteries. 12 V, 8 A	

## Noise

Model	EU20i	
Type	G, GP3, GW, B, F, W	U
Sound pressure level (LpA) According to 98/37/EC	75 dB	
		
Guaranteed sound power level (LWA) Tested by 2000/14/EC	89 dB	

“the figures quoted are emission levels and are not necessarily safe working levels. Whilst there is a correlation between the emission and exposure levels, this cannot be used reliably to determine whether or not further precautions are required. Factors that influence the actual level of exposure of work-force include the characteristics of the work room, the other sources of noise, etc. i.e. the number of machines and other adjacent processes, and the length of time for which an operator is exposed to the noise. Also the permissible exposure level can vary from country. This information, however, will enable the user of the machine to make a better evaluation of the hazard and risk”.

### NOTE:

Specifications are subject to change without notice.

**CUADRILLA RESOURCES  
LIMITED**



**APPENDIX - D**

**BACKGROUND NOISE SURVEY AND  
NOISE PREDICTIONS**

ENVIRONMENT DIRECTORATE  
05 FEB 2010  
LANCASHIRE COUNTY COUNCIL

**Cuadrilla Resources Limited  
February 2010**

Grange Hill Hydrocarbon Exploration Site  
Planning Application [February 2010].  
Prepared by Phil Mason

Cuadrilla Resources Limited  
BBD House  
Stowe Court  
Stowe Street  
Lichfield  
WS13 6AQ



**Noise Impact Assessment  
Grange Hill Exploration Site  
Singleton, The Fylde  
Lancashire**

**Report ref.**  
PJ2662/29097

**Date**  
August 2009

**Issued to**  
Cuadrilla Resources Limited

**Issued by**  
Peter Jackson MSc MIOA  
Principal Consultant

SECTION	TITLE	PAGE
0.	SUMMARY .....	1
1.	INTRODUCTION .....	2
2.	AMBIENT NOISE SURVEY .....	2
2.1	GENERAL .....	2
2.2	NOISE SURVEY DETAILS .....	2
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Appendix A: Figure 1 showing location of exploration well site and noise monitoring positions

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## 0. SUMMARY

A noise assessment has been completed to establish the noise impact of the proposed Grange Hill exploration well site, situated near Singleton, in The Fylde district of Lancashire. The sensitive reference positions for the assessment have been chosen as the nearest residential locations to the proposed site.

Measurement of the existing background noise levels has been made at the reference community locations. During the most sensitive early night time period (23:00-02:30) background noise levels are largely controlled by distant road traffic and occasional local traffic. Night time background noise levels have been established as being in a low range of LA90 33-35dB(A).

Predictions of daytime noise from construction works associated with preparing the proposed exploration well site have been made, using sound power level data provided in BS 5228 Part 1, for the equipment proposed. The predictions indicate that construction activities will typically produce an LAeq(1hour) contribution of 50dB(A) at the nearest residential location. Construction noise will therefore be well within a typical range of acceptability for these works (LAeq 60-65dB(A)) and only marginally increase (by 2dB(A)) existing daytime ambient LAeq noise levels in the nearby community. Consequently adverse impact from the temporary construction works will be minor.

Environmental noise levels have been predicted for drilling operations by use of computer noise modelling and based on the sound power level for the type of drilling rig being considered for use on the exploration well site. The predicted specific noise level from drilling operations, at the nearest residential locations to the exploration site, is LAeq 35dB(A).

An assessment of noise levels predicted for the drilling operations has been completed by comparing noise emission levels with measured background noise levels and also an absolute noise level of LAeq(1 hour) 42dB(A), defined as the night time limit in Minerals Policy Statement - 2: Noise (MPS-2). These assessment figures are shown in the following table.

Residential Location (Ref. Figure 1)	Predicted LAeq level from drilling operation dB(A)	Mean night (2300- 0200) background noise LA90 dB(A)	Assessment Level (Background excess) Column 2 - Column 3	Comparison with MPS 42dB(A) free- field criteria
1. Singleton Grange	38	33	+2	-7
2. Pointer House	35	35	0	-7

Table 0: Predicted specific LAeq noise level from drilling operations, at residential positions, compared with measured early night time background LA90(2300-0230) and MPS-2 night time criteria

An assessment level of +2dB at the nearest residential locations to the exploration site easily complies with the MPS-2 indicated first aim of achieving a noise limit based on background level +10dB(A) at the nearest residential properties to the site.

In further consideration of the fact that that projected noise levels from drilling operations are within the MPS-2 recommended outside night time noise limit of LAeq(1 hour) 42dB(A) (free-field), at all residential locations, the assessment has indicated that there is likely to be only a minor adverse impact upon the residential community from the aspect of noise, particularly as the exploration well site is a temporary, rather than permanent, installation.



## 1. INTRODUCTION

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Cuadrilla Resources Limited has commissioned Spectrum Acoustic Consultants to undertake an environmental noise impact assessment in support of the planning application for the proposed Grange Hill Exploration site, to be situated near Singleton, in The Fylde district of Lancashire.

To establish the current neighbourhood background noise levels the report presents the results of an ambient noise survey completed over representative daytime and night time periods at the closest community positions to the proposed exploration site.

Using measured noise data from the types of drilling rig being considered for use on the exploration well site the report provides an assessment of the potential impact of this development, by comparing the predicted noise levels from drilling operations with background noise levels measured at the nearest residential locations to the site and also absolute noise limits taken from guidance provided in Minerals Planning Statement - 2: Noise

Daytime noise levels during construction works associated with the preparation of the exploration site have been predicted using equipment noise data provided in BS5228-1:2009 'Noise and Vibration Control on Construction and Open Sites'. Part 1: Noise.

The information provided in this report is intended to supplement the planning application for the proposed exploration site development, to be submitted to the Local Planning Authority

## 2. AMBIENT NOISE SURVEY

---

### 2.1 GENERAL

To assess the environmental noise impact of a proposed industrial related development it is generally accepted that predicted noise levels from the development need to be compared with existing background noise levels, or defined absolute noise limits, at the nearest sensitive residential locations to the site.

Unless the background noise environment is very low i.e. below LA90 30dB(A), the difference between the specific development noise level and the background level generally correlates with likelihood of complaint and associated adverse impact. There are also recommended absolute noise limits that may be used to assess impact, particularly in the circumstances where the background environment is at a low level.

Further detail on the recognised Standards and planning guidelines, which have been applied to the assessment of noise from this exploration site development, is provided in Section 5.1 of the report.

### 2.2 NOISE SURVEY DETAILS

A description of the nearest residential receptor positions chosen for the noise impact assessment are provided in the following list.

Other residential locations situated along Fleetwood Road, such as Kirkham 1<sup>th</sup> Fields Farm and Fisher's Slack Cottage are in a similar position to Pointers House (in terms of distance to exploration site



and position along Fleetwood Road) and accordingly the noise assessment completed for Pointer House will be valid for these additional residential positions.

<p><b>Position 1:</b> Singleton Grange, Grange Road</p>	<p>This position is at Singleton Grange, a group of houses located on Grange Road, in Singleton and situated 630m west of the proposed exploration well site. This position is representative of the nearest residential properties to the west of the exploration site.</p>
<p><b>Position 2:</b> Pointer House, Fleetwood Road</p>	<p>This position is at Pointer House situated alongside the main Fleetwood Road 550m northeast of the proposed exploration site. This position is representative of the nearest individual residential properties situated along Fleetwood Road, which runs in a north-south direction, east of the proposed exploration site.</p>

The planned position of the exploration site is on open flat grassland, situated to the south of Grange Road, which runs southwest from Fleetwood Road to the village of Singleton. The land around the exploration site is relatively flat and apart from the screening benefit afforded by a small copse area to east (Fisher's Slack Wood) there is no significant screening benefit to the nearest residential positions to the west and northeast of the site.

A plan showing the exploration well site and the residential receptor positions is illustrated in Figure 1, included in Appendix A of the report.

### 2.3 NOISE SURVEY PROCEDURE AND INSTRUMENTATION

Instrumentation used to measure noise levels included the following items. All equipment is calibrated annually, using equipment referenced to the British Calibration Service and the National Physical Laboratory:-

- Bruel & Kjaer Type 2260 Sound Level Meter s/n 1772232
- Bruel & Kjaer Type 4169 Microphone s/n 2469836
- Bruel & Kjaer Type 4231 Acoustic Calibrator s/n 1234621

With the drilling rig at the proposed exploration site having a 24-hour operation, background noise measurements were recorded at each receptor position over two night time periods between the most sensitive early night time hours 2300-0230.

Samples of daytime ambient noise levels were also recorded for the purpose of assessing impact from daytime construction works.

Noise measurements were recorded during the period 11 to 12 June 2009. Weather conditions were dry, with light wind, presenting acceptable conditions for noise monitoring purposes.

Noise samples of 15 minutes duration were recorded to provide information on prevailing ambient noise levels. All measurements were recorded in accordance with procedures outlined in BS4142: 1997 'Method of Rating Industrial Noise Affecting Mixed Residential and Industrial Areas'. Noise samples were recorded, in terms of the following parameters:

- $L_{Aeq}$ , the equivalent continuous noise level
- $L_{A90}$  percentile level



Briefly,  $L_{Aeq}$  the equivalent continuous noise level is used as the measure of total ambient noise or noise from a specific source.  $LA_{90}$  is defined in BS4142, as the measure of background noise, when it is applied to the residual noise level (the noise in the absence of the specific noise being assessed).

## 2.4 NOISE SURVEY RESULTS

The results of the ambient noise measurements recorded at the two community receptor positions applicable to Grange Hill exploration site are detailed in table 1 below.

The  $LA_{90}(2300-0230)$  night time level shows the mean of the  $LA_{90}(15 \text{ min})$  levels taken over the most sensitive early night time period 23:00 -- 02:30, which will be used in the assessment of specific drilling operation noise against background level.

Measurement Position	Date	Sample Time		Mean of Measured Noise Samples (15 min)			
		Start	Finish	Daytime(07-23)		Night time (2300-0230)	
				$L_{Aeq}$	$LA_{90}$	$L_{Aeq}$	$LA_{90}$
1. Singleton Grange	11 June	01:00	01:15			36.5	32.4
	11 June	02:00	02:15			38.1	33.0
	11 June	13:30	13:45	50.4	43.8		
	11 June	14:30	14:45	48.5	42.8		
	12 June	00:30	00:45			40.5	34.4
	12 June	01:30	01:45			37.2	32.8
		Mean			49.5	43.3	38.6
2. Pointer House	11 June	01:30	01:45			50.4	32.2
	11 June	02:15	02:30			49.4	32.8
	11 June	14:00	14:15	54.9	51.6		
	11 June	15:00	15:15	54.9	51.2		
	12 June	01:00	01:15			47.7	39.8
	12 June	01:45	02:00			45.0	37.2
		Mean			54.9	51.4	48.1

Table 1: Summary of measured ambient noise measurements at positions 1 & 2

As indicated by the results, mean early night time (23:00-02:30) background  $LA_{90}$  noise levels at the nearest community locations to the proposed exploration site are at a low level of between 33 – 35dB(A)

Noise levels during the early night time hours were generally produced by distant road traffic, together with occasional traffic on nearby Fleetwood Road. Background noise levels were slightly lower at position 1 as this location is more remote from local roads.

Daytime noise levels in this area are again largely produced by distant and more frequent local road traffic, together with occasional aircraft. Daytime noise levels at position 2 are significantly higher than at position 1 due to the closer proximity to Fleetwood Road, which is busy during the daytime, with continuous traffic flow. Noise from the nearby glass factory also contributed to daytime  $L_{Aeq}$  levels at position 2.



### 3. CONSTRUCTION NOISE

#### 3.1 NOISE FROM CONSTRUCTION WORKS

Preliminary construction works are required for ground levelling, preparation of the site foundation and drainage. Any excavated earth may be utilised for the preparation of a temporary earth-bund along selected sections of the site perimeter.

The preparation works would commonly involve use of excavators, bulldozers and gravel compacting rollers. In order to provide a preliminary assessment of construction noise impact, noise level predictions have been made, based on the typical noise levels produced by the operation of this type of construction plant.

Predictions have been made in accordance with guidelines and procedures contained in BS5228-1:2009 'Noise and Vibration Control on Construction and Open Sites. Part 1: Noise'. The procedure involves identifying the main items of plant and equipment and then assigning a sound power level, based on equipment noise data included in an appendix of the Standard. Where a number of sound power levels are given for similar plant, or activities, an average of the data is used.

Predictions of community noise levels are made by applying corrections to the sound power of each equipment source, to account for the following operational and environmental factors: -

- Typical periods of operation of plant
- Separating distances from source to receiver
- Presence of natural land topography screening or artificial barriers.

Overall  $L_{Aeq}(1 \text{ hour})$  and  $L_{Aeq}(16 \text{ hour})$  dB(A) noise levels have been predicted at the closest residential location to the exploration site at Singleton Grange (Position 1), 530m to the west of this site. The results are summarised in table 2 below.

Plant Type	Sound Power Lw	Adjustments dB(A)		Result Lp dB(A)	On time %	Activity $L_{Aeq}(1hr)$	Operating Period (hrs)	$L_{Aeq} 16 hr$
		Dist.	Screening					
Excavator	112	-62	-	50	30	45	10	43
Bulldozer	114	-62	-	52	30	47	10	45
Rollers	108	-62	-	46	30	41	10	39
Total Plant						50		48

Table 2: Predicted noise levels from construction works at position 1, Singleton Grange.

The predictions indicate that the noisiest construction activities will typically produce an  $L_{Aeq}(1 \text{ hour})$  contribution of 50dB(A) at the most sensitive community locations, resulting in an overall daytime level of  $L_{Aeq}(16 \text{ hour})$  48dB(A).

#### 3.2 ASSESSMENT OF CONSTRUCTION NOISE LEVELS

Construction site noise is assessed differently to noise from permanent installations, as it is recognised that construction noise is an inevitable by-product of required works and that the construction works are

a transient operation. Whilst local considerations and circumstances need to be taken into account a typical range of acceptability for daytime construction noise is  $L_{Aeq}(1 \text{ hour})$  60-65dB(A).

The predictions have demonstrated that during the typical construction operations at the exploration site, noise levels of  $L_{Aeq}(1 \text{ hour})$  50dB(A) will be produced at the nearest residential location. Whilst some noise from the construction work on the exploration site is inevitable this will only produce a small temporary increase of around +2dB(A) to typical daytime ambient noise levels, measured as  $L_{Aeq}$  49dB(A) at position 1 (Singleton Grange).

Construction noise levels are also expected to be well within a reasonable acceptability range for these works (60-65dB(A)) and consequently will provide a temporary minor adverse affect with respect to noise impact, at the nearest residential positions to the exploration well site.

For the majority of construction works, which, as in this case, have no particular sensitivity from a long-term contract period, night time works, or very close proximity to houses, Local Authorities commonly set no specific noise limits, but rely on the contractor to ensure that works are completed in accordance with the 'best practice' guidelines outlined in the various parts of BS5228. A typical general requirement set by the Local Authority would be as follows:

*To ensure that noise levels produced by the noisiest activities, are adequately controlled, such works will be completed in accordance with the guidelines provided in BS5228-1:2009 'Noise and Vibration Control on Construction and Open Sites, with particular reference to Part 1: Codes of Practice for basic information and Procedures for Noise Control.*

#### 4. ENVIRONMENTAL NOISE FROM EXPLORATION WELL SITE

##### 4.1 NOISE FROM DRILLING OPERATIONS

At this stage the specific type of drilling rig to be used at the exploration site has not been finalised. This is common procedure, as choice of drilling rig is largely dependent on which rigs are available at the time and until all consents are granted such decisions cannot be made.

However, an accurate prediction of noise from the exploration site can be made, based on measured noise levels from the typical range of drilling rigs that operate in the UK. Spectrum has completed sound power tests on several different types of operating rigs, for a range of contractors. Example noise data from four drilling rigs are included in Table 3.

Drilling Rig	Sound Power level $L_w$	Octave Band Sound Power Levels (dB)								
		31	63	125	250	500	1k	2k	4k	8k
Rig A	106	116	114	108	103	102	102	98	93	88
Rig B	104	114	112	109	104	100	99	96	92	84
Rig C	108	118	116	110	104	101	100	100	96	90
Rig D	103	115	117	110	103	102	98	92	88	79
Average	105	116	115	109	104	101	99	97	92	85

Table 3: Drilling rig sound power level data

As shown in the table, drilling rig noise levels are commonly in the sound power level range  $L_w$  103-106dB(A).

#### 4.2 PROJECTED NOISE AT COMMUNITY LOCATIONS

To accurately evaluate the overall effect of the proposed exploration well site development, at the nearby community locations, it is necessary to consider the additional noise that is likely to be generated by the drilling operations, at these residential locations.

The overall drilling rig mean sound power level of 106dB(A), is used as the starting point for the purpose of predicting noise levels in the surrounding environment and at specified community receptor locations around the site, using an environmental noise propagation model.

For the purpose of this study a proprietary noise model, the Bruel and Kjaer, 'Predictor', has been used. This model is based upon noise propagation corrections (including distance attenuation, ground effects and atmospheric absorption), as advised in ISO 9613, to determine numeric results. This model calculates levels around a site simultaneously and allows the reporting of the results visually through the construction of noise contours.

The noise map, showing noise contours produced by the drilling operations is provided in Figure 2, included in Appendix B of the report. Specific receptor co-ordinates can be specified in the noise propagation model, to get results at example locations. Predicted levels at the specific receptor locations are provided in table 4 below.

Measurement Position	dB(A)	Octave Band Sound Pressure Levels (dB(A))								
		31	63	125	250	500	1k	2k	4k	8k
1. Singleton Grange	34.9	18	28	21	21	26	31	28	14	-
2. Pointier House	34.8	18	28	20	21	26	30	27	13	-

Table 4: Predicted specific noise level from drilling rig operation at community locations 1 & 2

As indicated in the table, projected noise levels at the nearest community locations to the exploration site are  $L_{eq}$  35dB(A).

It should also be noted that drilling rigs exhibit a degree of source directivity (slightly noisier on one side than others), however, this does vary with rig type, equipment layout and position of any perimeter earth bund. As the layout of the exploration site is not known at this stage, non-directional hemispherical noise propagation has been assumed, for prediction purposes.

## 5. ASSESSMENT OF NOISE FROM EXPLORATION WELL SITE

### 5.1 ASSESSMENT CRITERION

The impact of noise from industrial related developments, or operations, on the surrounding residential community, is dependent upon several factors and there are a number of references and Standards available, which discuss in detail what these factors are, together with their relative importance.

Relevant guidelines for assessing environmental noise associated with minerals extraction operations are included in Minerals Policy Statement 2 (MPS-2): Controlling and Mitigating the Environmental Effects of Minerals Extraction in England. Annex 2: Noise – March 2005, issued by ODPM.

This guidance document states that 'where appropriate' planning conditions should be used to ensure that minerals operations are carried out in such a way that noise emissions are minimised and controlled to acceptable levels. Accordingly, planning conditions may be used to apply controls on noise emissions by setting noise limits, preferably at the nearest noise sensitive properties.

MPS-2 suggests that Mineral Planning Authorities (MPA's) should aim to set noise limits in accordance with the following criteria:

First aim: Background noise level (LA90) + 10dB(A), for all periods

*However, in the cases where this noise limit restriction imposes an unreasonable burden on operations, the following limits to be applied:*

Daytime 0700-1900

Increase over background LA90 to be as near to + 10dB(A) as is practicable, subject to an upper limit of 55dB(A) LAeq(1 hour) free-field

Evening 1900-2200

Background LA90 + 10dB(A).

Night time 2200-0700

42dB(A) LAeq(1 hour) free-field.

The 'unreasonable burden' situation would generally occur in situations where background levels are very low (below about 45dB(A) daytime and 32dB(A) night time), when raising such low background levels, even by as much as 10dB(A), would still only result in modest absolute levels.

For this exploration site application, continuous drilling operations are required so the assessment will be provided for the worst-case night time period. Accordingly, noise levels will be assessed against noise limits based on background LA90 + 10dB(A) and 42dB(A) LAeq(1 hour) free-field.

## 5.2 NOISE ASSESSMENT

Table 5 shows a comparison of the predicted noise level from the drilling rig operations, against measured LA90 background levels at night and the LAeq(1 hour) 42dB(A) absolute night time criteria, at the three residential locations covered by the assessment.

For the purpose of assessing operational noise emission against background noise level, the mean LA90 taken over the most sensitive early night time period (2300-0230) has been used.

Residential Location (Ref. Figure 1)	Predicted LAeq level from drilling rig dB(A)	Mean night (2300-0200) background noise LA90 dB(A)	Assessment Level (Background excess) Column 2 - Column 3	Comparison with LAeq 42dB(A) free-field criterion
1. Singleton Grange	35	33	+2	-7
2. Pointer House	35	35	0	-7

Table B: Predicted specific LAeq noise level from drilling operations, at residential positions, compared with early night time background LA90(2300-0230) and LAeq 42dB(A) night time criterion.

There are not expected to be significant tonal, or impulsive, characteristics to the predicted noise from the drilling operations. The rating level ( $L_{N,T}$  as defined in BS4142) will therefore numerically be the same as the predicted specific LAeq noise level contribution from the drilling rig.

The study predicts that at the nearest sensitive residential property to the Grange Hill exploration site, drilling rig noise emission will provide a background noise excess of up to +2dB(A). This assessment level easily meets the MPS-2 stated first aim of achieving a noise limit based on background noise level ( $LA_{90} + 10dB(A)$ ), for all periods.

Using the MPS-2 additional guidance criterion of achieving a noise limit based a free-field external night time noise level of LAeq(1hour) 42dB(A), the projected noise level from drilling operations is well within this limit at all locations.

In further consideration of the fact that the exploration site would be a temporary, rather than a permanent, installation (i.e. more akin to a temporary construction site) the noise assessment has indicated that there is likely to be only a minor adverse impact upon the nearby residential community from the aspect of noise.

## 6. CONCLUSIONS

The potential impact of noise from drilling operations at the proposed Grange Hill Exploration Site has been assessed and the following conclusions may be drawn from the study.

- Existing mean night time background noise levels in the environment around the exploration site are within the range LA90 33-35dB(A) and consequently are at a relatively low level.
- Daytime noise from site preparation construction works has been predicted as LAeq(1 hour) 50dB(A), at the nearest individual residential locations to the exploration site. This noise level is well within a typical acceptability range for construction works (60-85dB(A)), but will marginally increase existing daytime ambient noise levels of 49dB(A) by around 2dB(A) at the nearest residential property (Singleton Grange). Accordingly, the adverse impact of temporary construction works will be low.
- The predicted specific noise level from drilling operations, at the nearest community positions to the exploration site, is LAeq 35dB(A).
- The study predicts that at the nearest sensitive residential property to the Grange Hill exploration well site, drilling rig noise emission will provide a background noise excess of +2dB(A). This

assessment level easily meets the MPS-2 stated first aim objective of achieving a noise limit based on background noise level (L<sub>A90</sub>) + 10dB(A), for all periods.

- In further consideration that projected noise levels from drilling operations also meet the MPS-2 additional guidance criterion of achieving a night time noise limit of L<sub>Aeq</sub>(1hour) 42dB(A), at all residential locations, the assessment has indicated that there is likely to be only a minor adverse impact upon the residential community from the aspect of noise, particularly as the exploration site is a temporary, rather than permanent, installation.

Report Code: E/DREX

PJ2682/29087



**APPENDIX A**

Figure 1 showing location of exploration well site and noise monitoring positions

05 / 10 / 0091

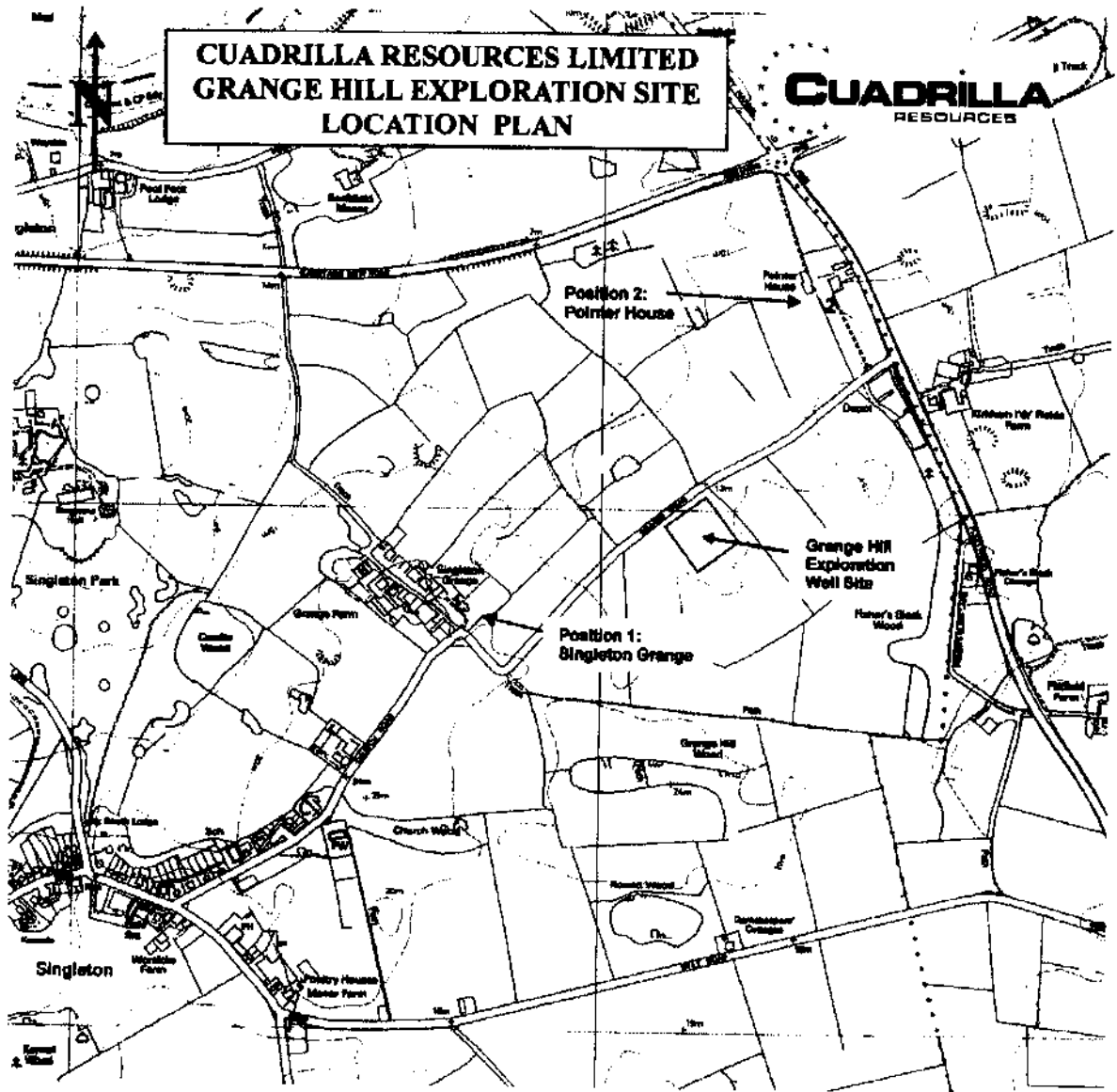


Figure 1: Plan showing Grange Hill Exploration Site and community noise receptor positions 1 & 2.

**APPENDIX B**

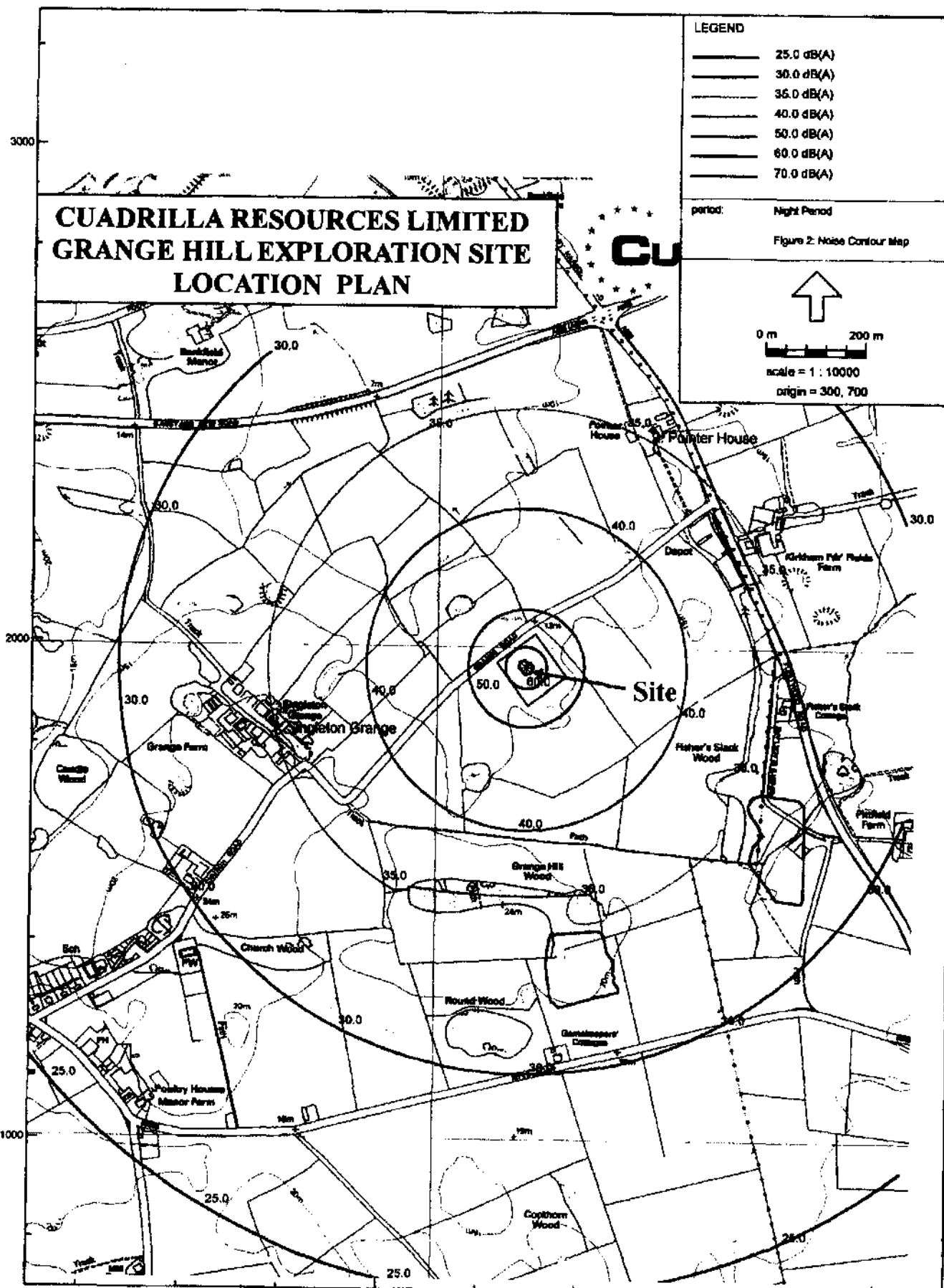
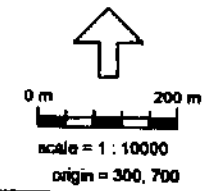
Noise Contour Map (Figure 2)

# CUADRILLA RESOURCES LIMITED GRANGE HILL EXPLORATION SITE LOCATION PLAN

**LEGEND**

	25.0 dB(A)
	30.0 dB(A)
	35.0 dB(A)
	40.0 dB(A)
	50.0 dB(A)
	60.0 dB(A)
	70.0 dB(A)

period: Night Period  
Figure 2: Noise Contour Map



## APPENDIX C

Photographs showing views of background noise measurement positions

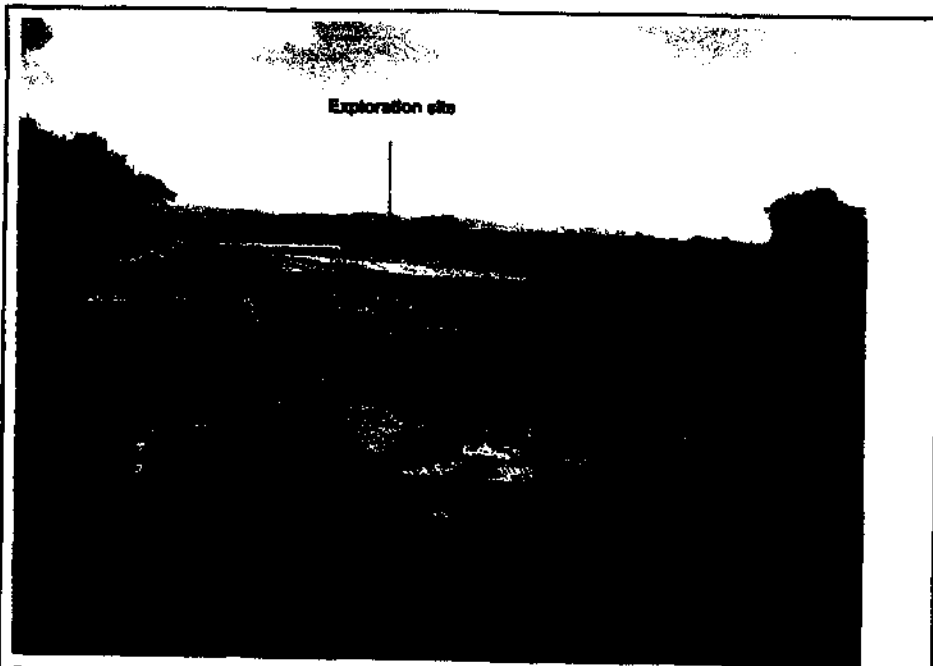


Photo 1 View from position 1, at Singleton Grange, looking east to exploration site

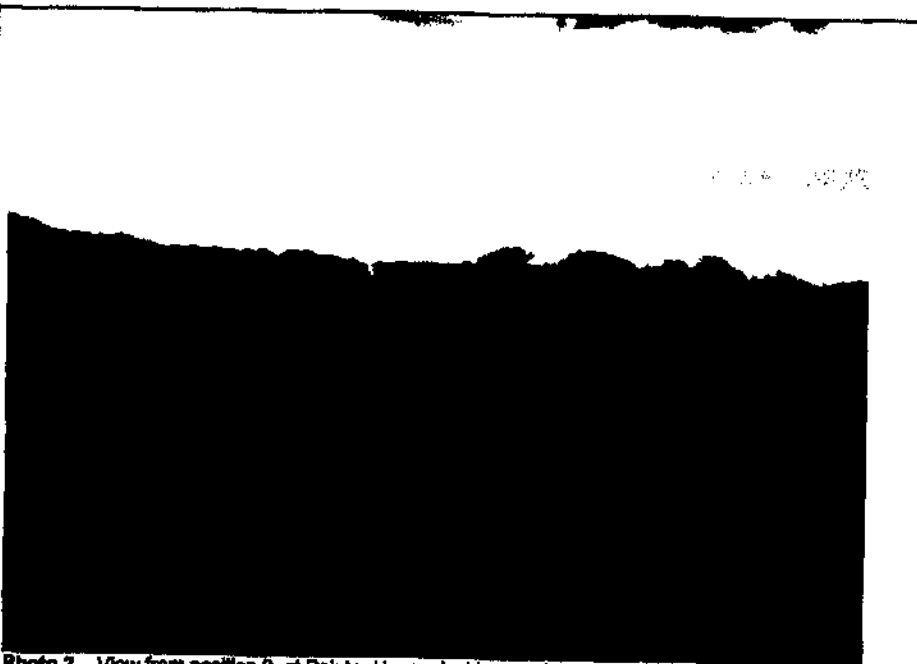


Photo 2 View from position 2, at Pointer House, looking southwest to exploration site

14 St Johns Close  
Cowbridge  
Vale of Glamorgan  
CF7 7HL

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A black rectangular redaction box covering the signature of A. B. Davies.

A. B. Davies

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



Delfan  
Factory Road  
LLanblethian  
Cowbridge  
Vale of Glam  
CF71 7JD

[REDACTED]  
08/09/2011

Mr Steve Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball

**Objection to Exploratory Gas Bore Hole Application – ref: 2011/00812/FUL**

I would like to outline my reasons for objecting to the granting of permission to Coastal Oil and Gas regarding the company's resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I understand that this application is just one of many applications targeted at trying to tap into gas bearing shales which are very likely to be found in the South Wales coalfield area. It is transparently clear that this company would want to use the data collected from many of these exploratory bore holes, were they allowed to drilled them, to build up a case for the viability of commercial extraction processing to access the shale gas and help solve our future energy needs.

**AND THERE LIES THE PROBLEM!!**

The process required to commercially extract shale gas (Fracking) is controversial and the long term implications uncharted. As I understand it, the extraction process is a hydraulic based one requiring the pumping of vast quantities of pressurised water, deep underground, to drive the gas out of the shales. The Gas is then funnelled to the surface, though collection pipes. The water is chemically charged to help release the gas. Unfortunately, for Planning Officers, the companies developing "Fracking" techniques won't divulge the chemicals they use. So there is no way of assessing biodegradability issues.

However, we all know what shales are like. If you pour chemically charged water into shales or fissured rock the chances of it eventually contaminating the area are too high for comfort. The geology of the Vale and the whole of the South Wales area is one of shales and fissured rock formations.

61 Geraints Way  
Cowbridge  
CF71 7AY  
10th September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.

30 St Johns Close  
Cowbridge  
Vale of Glamorgan  
CF7 7HN

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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Planning and Transportation Services  
Vale of Glamorgan Council  
Dock Office  
BARRY  
CF63 4RT

177  
**Virginia Cottage**  
**3 Maendy Ganol**  
**Maendy**  
**Cowbridge**  
**CF71 7TH**



8 September 2011

Dear Sir/Madam,

**Planning Ref 2011/00812/FUL**

I am writing to express my concern over the significance of this application by Coastal Oil and Gas for an exploratory gas bore hole at Llandow.

As I understand this is the first move in what could become a major development of the extraction of gas from this part of the Vale using a method known as hydraulic fracture or fracking.

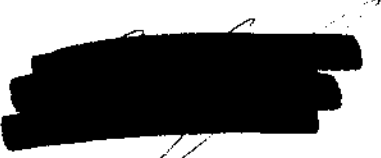
It would appear that this method of extracting gas is not without controversy. There have been protests in Canada and South Africa, and in France the National Assembly has voted to ban the practice. In some US states, development has been put on hold until the precise effects on the drinking water supply can be established. It requires vast quantities of fluid, of which 95% is water, as well as unspecified chemicals, to be pumped underground to fracture the rock to release the gas. This in itself would raise the question of where does the water come from –presumably not available locally, and where does it go afterwards – a particularly worrying question, as it will be full of a cocktail of chemicals. Could the local water supply from bore holes be affected and will it leach into the existing ground water or find its way into existing watercourses?

I would hope that the Vale planners will be fully and independently briefed on the technical aspect of this proposed exercise before reaching a decision and therefore will be able to provide cast iron assurances to the local population that the whole process is perfectly safe and in no way detrimental, if permission should be granted.

As I understand this method of extraction is taking place in many localities across South Wales, and I would have thought that the significance of allowing this extraction to go ahead should not remain in the hands of individual local authorities but requires the Assembly Government to have the final say. A wrong decision could affect the appearance of the rural vale for many years to come.

As a regular visitor to the Llandow area, caravan park and amenity tip, the idea of heavy drilling vehicles and water tankers using the existing road network would seem out of the question. Also, the disruption this work would cause to a significant centre of employment for Vale residents at this time must be a strong argument for rejecting this application.

Yours faithfully,



Andrew Foyle

30 St Johns Close  
Cowbridge  
Vale of Glamorgan  
CF7 7HN

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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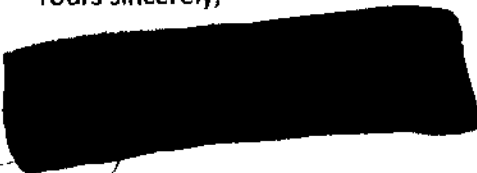
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- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Elsteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A large black rectangular redaction box covering the signature of Terry L Williams.

Terry L Williams

- cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

19 Wordsworth Close  
LLANTWIT MAJOR  
CF61 1WZ  
8th September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A thick black horizontal bar redacting the signature of the sender.

(Mrs) M F CARRINGTON

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



4 West End  
Llantwit Major  
CF61 1SL  
8 September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Re: Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I am gravely concerned about the resubmitted planning application for an exploratory bore-hole at the Llandow site to search for shale gas. Although the current application is only for the purpose of exploration, if successful this research activity will have far-reaching consequences for communities across the Vale, a very special part of South Wales. It is inappropriate for the company to consider such an activity close to valuable and rare Grade 1 agricultural land and the Heritage Coast. My husband and I rented a property in Llandow for six months, prior to moving to the above address, and we are very aware that it is a beautiful and peaceful village with a united, active and happy community. This should be cherished.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided. In the initial application, the close proximity of the nearest property was either not investigated or was disregarded, so this lack of recognition casts doubt on any other of the Company's intentions and work plans.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found. I have been told by a resident that the offer on one property for sale in Llandow has already been withdrawn because of the threat of drilling and its potential consequences.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.

- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

Should the exploratory drilling be allowed to proceed, it would represent the first stage of a procedure that, if gas was found to be present, would almost inevitably lead to fracking. I find from:

[http://e360.yale.edu/feature/fracking\\_comes\\_to\\_europe\\_sparking\\_rising\\_controversy/2324/](http://e360.yale.edu/feature/fracking_comes_to_europe_sparking_rising_controversy/2324/) that *Pro Publica* the investigative reporting Web site, 28 February 2011 report, has documented more than 1,000 cases of water contamination near US shale sites in just five states. Hundreds of residents have complained about their water being polluted by fracking and rendered unfit for drinking or bathing. The New York City Department of Environmental Protection said in 2009 that shale gas development caused 'invasive industrialization' and created 'a substantial risk of chemical contamination, and infrastructure damage'; shale drilling and fracking represent 'unacceptable threats to the unfiltered fresh water supply of nine million New Yorkers'. Hundreds of millions of gallons of fracking waste water being trucked to sewage treatment plants and discharged into rivers contain high levels of radioactivity from the fractured shale. The French Ministry of Ecology has called a halt to shale gas drilling throughout the country while it assesses environmental issues. There is a massive amount of uncertainty with regard to drilling and fracking in the UK. Furthermore, Cornell Professor Robert Howarth has argued that the lifecycle greenhouse gas emissions of shale gas are worse than that of coal and fuel oil when considered over a twenty-year period. Therefore we should instead develop renewable energy resources for which we have plenty of potential in the UK.

In the Vale of Glamorgan in particular, the use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

I therefore trust that you will take my very strong objections to exploratory drilling into account.

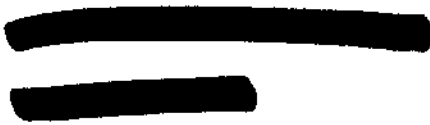
Yours sincerely,



(MRS JEANNE JAMES)

cc. Alun Cairns MP for the Vale of Glamorgan

4 West End  
Llantwit Major  
Vale of Glamorgan  
CF61 1SL



Mr Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

08 September 2011

Dear Mr Ball

**GAS DRILLING IN THE VALE**

**Planning Application No. 2011/00812/FUL**

I strongly object to the above planning application resubmitted by Coastal Oil and Gas Limited on these grounds:

1. The initial drilling will take a claimed 7 weeks and could well be longer. There will be no respite from the continuous noise which will cover a radius of miles for 24 hours a day. Some properties will be within 250 metres.
2. The Company did not realise the proximity of the nearest property in the initial application. Such lack of full investigation by them casts doubt on any other of their intentions and work plans.
3. If this initial application is successful then that implies that further extensive work will follow to extract gas, otherwise there is no point in submission of this application.
4. Further work will involve fracturing of the rock. This has caused problems elsewhere. Several areas, including the state of New Jersey, the city of Buffalo, New York, and the Canadian province of Quebec, have recently banned the practice or issued moratoriums on new development. On May, 11 the lower house in the French parliament voted to ban the technique. (Scientific American May 12 2011).
5. Fracking fluids contain many compounds, including sand, ground-up walnut shells, salt, citric acid, benzene--a known carcinogen--and lead. Some of these help to keep the fractures propped open; some reduce water surface tension and keep particles suspended in the fluid even at high pressures; and some are biocides that stop bacteria from clogging up the well. A U.S. Congressional report released in April showed that

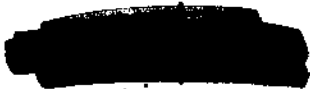
the 14 most active hydraulic fracturing companies in the United States together used nearly 3 billion liters of fracking fluid, not including water. The products contained at least 29 chemicals that are known or possible human carcinogens. (Scientific American May 12 2011).

6. The Company claims they might get natural gas from the Devonian layer. Even this will result in excessive traffic and disturbance. It may cause earth quakes.

7. My wife and I rented a property in the quiet village of Llandow last year. It is a most peaceful place. It is sacrilege to allow any disturbance there. Residents and businesses in the locality will be seriously affected if drilling takes place. The Vale of Glamorgan is a beautiful, peaceful area to which visitors are attracted. I categorically oppose this testing stage for gas drilling being undertaken in Llandow. Whilst test drilling will be disruptive over a wide area, if a source of gas is found the consequent irrevocable changes to the environment will be disastrous and your Council will be held responsible for ever.

I am not sure to whom I should send this letter so I have sent a copy to Mr R Thomas as well.

Yours sincerely,

A large black rectangular redaction box covering the signature area.

Dr Matthew Lewis James

Brynawel  
Crosswells  
Lechlairg  
Vale of Glamorgan  
CF71 7LJ

8 September 2011

Mr Steve Ball,  
Principal Planning Officer,  
Planning, Transportation Services,  
Vale of Glamorgan Council,  
Decks Office,  
Barry CF63 4RT

Dear Mr Ball,

Exploratory gas bore hole application - Objection, Planning ref: 2011/00812/FUL

I wish to register my preferred objection to the re-submitted application for an exploratory gas bore hole at the site in Llanidloes.

Local people and the Vale of Glamorgan Council have been meeting in Llanidloes over many years and the unique and historic area of Wales is not a suitable site for such development.

Llanidloes provides a home to local businesses and employment to many people from the Vale, Lechlairg and Llanidloes Major. Many of these businesses are purely recreational and a great benefit for Llanidloes, providing an attractive and well run caravan site. To propose doing 24 hour a day drilling for 7 weeks is outrageous in this environment.

The local road structure already struggles to cope with heavy traffic & the extra drilling equipment brought in just for the hot drilling will compound matters.

There is a strong possibility that water pollution will result from this activity. A number of homes and ponds border on in the immediate vicinity and the whole area could suffer from contamination.

The use of the land at Llandras for local business and recreational purposes is important to the whole of the Vale, to the Vale Authority's strategy and to Welsh Government policy. I trust that you will take my strong objection into account.

Yours Sincerely



MRS CLAIRE GOULDEN

cc John Griffiths, Minister for Environment & Sustainable Environment  
Welsh Government

Mr Alan Collins MP, Vale of Glamorgan

Councillor Jeff James Cabinet member for Planning & Transportation  
Vale of Glamorgan Council.

61 Geraints Way  
Cowbridge  
CF71 7AY  
10th September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

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I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

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- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.

- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A thick black horizontal bar redacts the signature. A thin, wavy line extends from the bottom right of the bar.

Rachel Howells

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh  
Government  
Alun Cairns MP for the Vale of Glamorgan



**Lewis, Joanne C (EER)**

**From:** Rachel Howells [REDACTED]  
**Sent:** 09 September 2011 11:09  
**To:** Planning & Transportation (Customer Care)  
**Subject:** Re: '2011/00812/FUL'

61 Geraints Way

Cowbridge

CF71 7AY

10th September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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- The impact on local businesses is already an issue, with several businesses located on the industrial

12/09/2011

estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.

- The impact on residents in the area will be significant too – from constant noise levels, increased traffic the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
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Yours sincerely,

Rachel Howells

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council

John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government

Alun Cairns MP for the Vale of Glamorgan

**Lewis, Joanne C (EER)**

**From:** Ball, Steve J  
**Sent:** 12 September 2011 09:48  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: opposition\_letter

And another

**From:** Thomas, Rob  
**Sent:** 10 September 2011 07:47  
**To:** Ball, Steve J  
**Subject:** FW: opposition\_letter

**From:** Dave and Pam Owens [REDACTED]  
**Sent:** Fri 09/09/2011 20:45  
**To:** Thomas, Rob  
**Subject:** opposition\_letter

Mr. Rob  
Thomas

Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road  
Barry  
CF63 4RU

9<sup>th</sup> September 2011

Dear Mr Thomas

**Re: Planning Application No. 2011/00115/FUL**

Please accept this letter as notification of my unequivocal opposition to the above planning application submitted to you on 27 Jan 2011 by Coastal Oil and Gas Limited. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences to the surrounding rural area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US. This is not something that should be encouraged in the UK, least of all in Llandow.

I oppose the initial application not only to attempt to halt any further stages of this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 14 weeks of activity with 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic this will create is not acceptable.

I categorically oppose this testing stage for gas drilling being undertaken in Llandow.

12/09/2011

Yours sincerely,

David A Owens

Pamela Owens

24 Geraints Way, Cowbridge

**Lewis, Joanne C (EER)**

**From:** Ball, Steve J  
**Sent:** 12 September 2011 09:47  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: 2011/00812/FUL

Another to log etc

Steve Ball  
Principal Planner  
Planning and Transportation Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: 01446 704602  
e-mail / e-bost: [SJBall@valeofglamorgan.gov.uk](mailto:SJBall@valeofglamorgan.gov.uk)

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

Find us on Facebook / Cewch ddod o hyd i ni ar Facebook  
Follow us on Twitter / Dilynwch ni ar Twitter

*Consider the environment. Please don't print this e-mail unless you really need to.  
Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*

**From:** Thomas, Rob  
**Sent:** 10 September 2011 07:48  
**To:** Ball, Steve J  
**Subject:** FW: 2011/00812/FUL

**From:** gemma jarvis [REDACTED]  
**Sent:** Fri 09/09/2011 20:16  
**To:** Thomas, Rob  
**Subject:** 2011/00812/FUL

Mr Thomas,

Please accept this email as my objection against the proposed planning application 2011/00812/FUL, hydraulic fracturing within the Vale of Glamorgan.

Considering the banning orders placed on such activity in other countries across the world I'm genuinely surprised that the application is still under serious consideration. As a rural community the potential dangers of water and ground contamination are numerous and well documented. Enabling such activity for the short term profit of a few at the detriment of the economic and ecological future of the Vale would be irresponsible and nonsensical.

Kind regards,  
Gemma Jarvis

NOTIFICATION  
12 SEP 2011

D.E.E.R
RECEIVED
ACTION BY: <i>SJB</i>
NO: <i>1403</i>
ACK: <i>12/09/11</i>

**Lewis, Joanne C (EER)**

**From:** David Powell [REDACTED]  
**Sent:** 12 September 2011 05:03  
**To:** Planning & Transportation (Customer Care)  
**Subject:** 2011/00812/FUL

Dear Sirs,

I would like to register my opposition to the application to test drill at Llandow.

The stated purpose is "drilling to take core samples of Limestone shales with a view to future possible capture and supply of shale gas (unconventional gas) as a clean energy supply and also to penetrate the Upper Devonian measures to test for the presence of conventional gas."

Shale gas is not a clean energy supply and so the premise for the application is incorrect. I attach as an appendix a referenced article by George Monbiot on how 'clean' the extraction of shale gas is. Aside from the chemical cocktail of fluids used in the extraction the CO<sub>2</sub> content of gas finally extracted is comparable with high carbon fossil fuels such as coal due to the energy input to the extraction process. This is not going to assist in any way the UK to reach it's 80% reduction in CO<sub>2</sub> emissions by 2050. As a process it should be discouraged.

**Application can be rejected on it's own merits but should not be considered in isolation**

Whilst the supporting information makes clear that this test drill does not constitute 'fracing' does this mean that it may constitute 'fracking' which is the spelling most publications are using. However, regardless of the correct spelling planning guidance is that this application should not be regarded in isolation but be considered as part of the overall process (shale gas extraction using fracking techniques).

However, even the specifics for this application raise enough concerns for it to be rejected in isolation.

**This Application**

**Risk of Ground Water Contamination**

The pilot drilling introduces an unnecessary risk to existing aquifers. Whilst the company states that the Environment Agency recognises the techniques for reducing the risk to aquifers the supporting information states that 'As all drilling fluids are maintained in a closed loop system this can easily be monitored for leaks.' In other words leaks are not out of the question. The Vale of Glamorgan should not allow the possibility for ground water to be contaminated in this way. Why take a wholly unnecessary risk.

It is likely that the Larks Meadows are to be designated at a site of special scientific interest following a meeting of the Countryside Council for Wales on 20<sup>th</sup> September 2011 by virtue of the fact that the plant biodiversity on the site means that it is one of a few such sites left in Wales. This site is approximately 1.5 miles from the drill site. I am not sure at this stage of the protections that the site requires but contamination of the ground water would be undesirable. I recommend that you consult the Countryside Council for Wales on this matter.

**Noise Levels**

There is a range of other concerns. Firstly on noise levels. The noise assessment states that "The proposed drill rig has a typical noise level of 74 dB(A) at 1m – as advised in email from Oliver Taylor dated 21/01/2011 with manufacturer's specs for a similar drill rig."

12/09/2011

The following table is taken from the following website (<http://www.nonoise.org/library/household/index.htm>) note the readings are dBA taken at the distance from the object that would be typical for it's use.

Does it sound plausible that an industrial drilling rig would be quieter than a handheld electric mixer, or vacuum cleaner. I would suggest that before planning consent could even be entertained that actual readings were taken from a rig in operation.

Printer	58-65
Window Fan on High	60-66
Alarm Clock	60-80
Dishwasher	63-66
Clothes Washer	65-70
Phone	66-75
Push Reel Mower	68-72
Inside Car, Windows Closed, 30 MPH	68-73
Handheld Electronic Games	68-76
Kitchen Exhaust Fan, High	69-71
Inside Car, Windows Open, 30 MPH	72-76
Garbage Disposal	76-83
Air Popcorn Popper	78-85
Hairdryer	80-95
Electric Can Opener	81-83
Vacuum Cleaner	84-89
Coffee Grinder	84-95
Handheld Electric Mixer	86-91
Lawn Mower	88-94
Air Compressor	90-93
1/4" Drill	92-95
Food Processor	93-100
Weed Whacker	94-96
Leaf Blower	95-105
Circular Saw	100-104

The 24 hour drilling programme proposed should cause great concern in the light of the information above.

#### **Transportation**

The use of the drilling rig will mean increased transport of materials such as the rig itself, concrete, drilling fluids and while the supporting information states the anticipated traffic movements. There is concern that the heavier loads have the potential for holding up traffic and for causing noise disturbance on their journeys.

In conclusion I would ask that the Vale sees this application within the framework that it fits, i.e. large scale gas extraction using fracking techniques. This application is the first application in a line of applications that would follow. The experience in the USA shows that ground water can be made unusable and river courses permanently contaminated. This planning application is for an unsustainable development and should be

rejected.

Yours Faithfully

David Powell

4 Tyle House Close  
Llanmaes  
Vale of Glamorgan  
CF61 2XZ

## Appendix

### Article by George Monbiot August 2011

## Shale Fail

Posted: 31 Aug 2011 12:17 AM PDT

It looks as if the UK government is allowing shale gas fracking companies to regulate themselves.

By George Monbiot. Published on the Guardian's website 31st August 2011

Before the government approves a new industrial process in the UK it must have ensured that it won't harm either people or the environment. Mustn't it? That's what any sane person would expect. Any sane person would be wrong.

One year ago, a company called Cuadrilla Resources began drilling exploratory shafts into the rock at Preese Hall near Blackpool, in north-west England, to begin the UK's first experiments with extracting gas trapped in formations of shale. The process – called hydraulic fracturing, or fracking – involves pumping a mixture of water, sand and drilling fluids at high pressure into the rock, to split it apart and release the natural gas it contains. In June Cuadrilla temporarily suspended its operations as a result of two small earthquakes in the area, which might have been caused by the fracking. The experiment is likely to resume soon. Cuadrilla has also started exploratory drilling at two other sites in the region.

Here are the issues that must be resolved if we are to be assured that fracking is a safe and responsible process.

#### 1. Contamination

There are two issues here: the chemicals injected into the rocks and the contaminants released by the fracturing. Both have the potential to pollute water supplies.

The Tyndall Centre at the University of Manchester **reviewed the impacts of fracking** in the only country where it has so far been commercially exploited, the United States. It found that fracking poses “significant potential risks to human health and the environment.”

“The fracturing and ‘flowback’ fluids ... contain a number of hazardous substances that, should they contaminate groundwater, are likely to result in potentially severe impacts on drinking water quality and/or

12/09/2011



surface waters/wetland habitats.”

Amazingly, fracking fluids in the US are exempt from regulation. Companies are allowed to treat the composition of the fluids as trade secrets. There is little information on what they contain and what risks they might present.

But, using data on the chemicals being stored by these companies, the Tyndall Centre has been able to identify at least some of the substances being injected into the rocks there. Of 260 chemicals, it finds that 58 give rise to concern. Some are known carcinogens, some are suspected carcinogens, some are toxic to people, some are toxic to aquatic life, some are mutagenic (which means they can cause genetic defects) and some have reproductive effects.

The fluids returning to the surface carry not only the chemicals injected into the rocks, but also those picked up in travelling through them. Among these, the Tyndall report shows, are heavy metals and radioactive materials.

Both the fracking fluids and the flowback fluids can contaminate water either through the cracks forced open in the rocks by the fracking process, or through drilling bores passing through aquifers. In the US this has happened repeatedly. The Tyndall Centre found that water supplies have been contaminated not only by the fracking chemicals and dissolved pollutants from the rocks, but also by gas bubbling out through the cracks.

The documentary **Gasland shows people turning their taps on** and setting light to the water. In some cases, gas bubbling up from underground fractures has caused explosions in the basements of people's homes.

Cuadrilla's bore passes through an aquifer before it reaches the shale formation. The company's chief executive **admitted to the Guardian** that “You never have control. Fractures will always go into the path of least resistance.”

## 2. Water Use

Fracking requires the use of very high volumes of water. The Tyndall Centre report warns that it “could put considerable pressure on water supplies at the local level in the UK.” All the zones in the catchment in which Cuadrilla's operations at Preese Hall take place are classified by the Environment Agency as “over licensed”, “over abstracted” or “no water available”.

## 3. Greenhouse Gases

The natural gas produced by fracking is the same simple chemical (methane) as the gas extracted by conventional means. When it is burnt, a given volume produces the same quantity of carbon dioxide as conventional gas does. Even so, the impact of shale gas on the atmosphere could be much greater than the impact of the same volume of conventional gas. Here's why.

Methane is itself a powerful greenhouse gas. It does not persist in the atmosphere for as long as carbon dioxide, but during the first 20 years following its release, **it is 56 times as effective** at trapping heat.

More methane is likely to escape from the process of splitting rocks open than from drilling into conventional aquifers.

**A paper published earlier this year** in the journal *Climatic Change* found that methane emissions from shale gas fracking “are at least 30% more than and perhaps more than twice as great as those from conventional gas.” This, it says, boosts the climate changing impact of shale gas to such an extent that it is not

just worse than conventional supplies, but worse even than coal, which is the most carbon-intensive fossil fuel. The paper found that, per unit of energy released, burning shale gas produces between 120% and 200% of the emissions produced by burning coal.

#### 4. Raising Fossil Fuel Reserves

Last month the Carbon Tracker Initiative worked out **what proportion of current fossil fuel reserves** humanity can burn while keeping the chances of exceeding two degrees of global warming to 20% or less. It found that current reserves contain roughly twice as much carbon as we can afford to release in the entire millennium.

Fossil fuel companies have already found far too much, in other words. It seems like madness to be prospective for new reserves, especially new reserves with such a high potential to do harm, when we can't afford to use existing supplies.

So I asked the government some simple questions. The answers should stop anyone with a concern for human health or the environment in their tracks.

I asked to see the environmental impact assessment (EIA) for Cuadrilla's fracking operations, which it hopes to resume soon. Answer: there isn't one. The Department of Energy and Climate Change told me:

"The local planning authority has concluded that Cuadrilla's exploration activities do not fall within the criteria for EIA, and none has been performed."

I asked to see the Health Impact Assessment. This is what the government said:

"We are aware of no requirement on Cuadrilla to perform a health impact assessment, and we gather that they have not to date done so."

I asked to see the Life Cycle Analysis for the full impacts of extracting shale gas. The department told me:

"Government has not conducted a specific analysis of the size and variability of greenhouse gas emissions from the shale gas extraction process."

But, apparently disregarding the paper in Climatic Change, it produced the following guess:

"We would expect that shale gas should have a carbon footprint of the same order as natural gas from conventional onshore fields, and significantly lower than that of coal."

The government passed my questions about contamination to the Environment Agency. I asked which chemicals have been licensed for underground injection by gas fracking operations in the UK.

It told me that the chemicals being used by Cuadrilla have been "assessed as 'non hazardous' under the Groundwater Directive".

But which chemicals are they? I had to press the agency for a list. It sent the following:

Hydrochloric acid

FR-40, which it calls "a blend of chemicals including Polyacrylamide".

Ucarcide, a bacteria-killing pesticide whose active substance is Glutaraldehyde.

Stimlube-W, which it simply described as "a polymer."

I asked the Environment Agency where it had got this list from. Cuadrilla sent it to them. Has the agency taken its own samples? Yes, or so it claims. But despite my repeated requests, it has failed to send me the results. Has it analysed the trade-marked substances to determine whether they contain only the chemicals Cuadrilla says they do? I have now asked this question several times, and the agency, while giving minimal and uninformative answers to my other requests, has pointedly ignored it.

Worse still, in responding to me, the Environment Agency appears to have cut and pasted a phrase from Cuadrilla's website: "The fluids used by Cuadrilla **are 99.75% composed of fresh water and sand.**" Is this how the agency sees its job? Lifting phrases from the site of a company it's supposed to be regulating? And has it ensured that this claim is true?

But there's nothing to worry about, the agency says, because "Groundwater is not present in the shale formation at the Preese Hall site."

As the disasters in the US demonstrate, the point is not just whether groundwater is present in the shale formation, but whether it is present in the overlying formations, through which the drill must pass, or into which the fractures might spread. At Preese Hall, Cuadrilla's drilling cuts through an aquifer to reach the shale.

Earlier this month, two campaigners hung banners from Blackpool tower in protest against Cuadrilla's prospecting. In mid-September a group of activists will be **setting up "Camp Frack"**, not far from Cuadrilla's drilling rigs, to plan a campaign against the exploitation of shale gas. We should wish them luck.



Head of Planning and Transportation  
The Vale of Glamorgan Council  
Dock Office  
Barry Docks  
Barry  
Vale of Glamorgan  
CF 63 4RT

9<sup>th</sup> September 2011

Dear Sirs

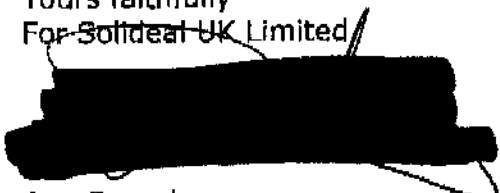
Re: Planning application 2011/00812/FUL

We are writing to express our concerns with the above planning application due to its proximity to our business address.

In particular we are concerned at the level of noise, pollution and disturbance that is likely to be caused to our employees during the working day.

We also believe that such industrial activity will badly affect the overall appearance and impression of the 'Vale Business Park', and is not a suitable location for this development.

Yours faithfully  
For Solideal UK Limited

  
Ann Barnaby  
Company Secretary.

SOLIDEAL UK LIMITED Unit 65 Vale Business Park, Llandow, Cowbridge, Vale of Glamorgan, CF71 2PE UK

Directors: L.SAMBROOK (Managing) P.R.GAINES

Registered in England No: 2589003

[www.solideal.com](http://www.solideal.com)

Ty Tarw  
Llandow  
Cowbridge  
CF71 7NT

11<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale. How attractive will the industrial estate be for future businesses if the current ones intend to leave?
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns

regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found. A potential house buyer has already withdrawn directly due to this planning application.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

I hope that notice will be taken of this letter – I have been on holiday and returned very recently to find a letter from the Vale of Glamorgan Council in my mail. Hence the lateness of this response.

Yours sincerely,

A large black rectangular redaction box covering the signature of Alan Biddiscombe.

Alan Biddiscombe

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

165  
Ty Tarw  
Llandow  
Cowbridge  
CF71 7NT

11<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

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regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found. A potential house buyer has already withdrawn directly due to this planning application.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
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Yours sincerely,

A thick black horizontal bar redacting the signature of Clive Cook.

Clive Cook

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



East House  
Nash Manor Gardens  
COWBRIDGE  
Vale of Glamorgan  
CF71 7NS



**Sent by e-mail and post**

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
BARRY CF63 4RT

11<sup>th</sup> September 2011

Dear Sir

**Your ref 1100812FUL (Re-submission)**  
**Coastal Oil and Gas Ltd – Test borehole for shale gas at Llandow Industrial Estate**

We understand that Coastal Oil and Gas Ltd have re-submitted their application for consent for a test borehole at Llandow Industrial Estate. Our home is c.935 metres from the proposed test site, and we wish to object to the application.

The reasons for our objection are as follows:

1. The application is limited to a test borehole - an essential first stage in a controversial industrial process for the extraction of shale gas for which separate applications would need to be submitted. There are unresolved questions about the environmental impact of the 'fracking' process. You should not allow this initial application for a borehole without considering the policy issues and conditions applicable to the later stages in the same process.
2. With respect, the policy issues relating to 'fracking' are matters which the Welsh Government should consider. It would be appropriate for the application to be 'called in'.
3. The application site is next to a large number of businesses and close or very close to several homes. This is not an appropriate location for the extraction of shale gas, and therefore it is not an appropriate location for the test borehole that would start the process.

There have been other instances of test boreholes for shale gas in South Wales without local objections as they were in remote areas. This application is different.

4. The planning policy guidance issued by the Welsh Government states as follows:

*"local planning authorities should consider the use of conditions or planning obligations to safeguard local amenity. Care should be taken to ..... take measures to reduce the impact of noise. Authorities should also take into account the fact that the background noise level in some suburban and rural areas is very low, and the introduction of noise generating activities into such areas may be especially disruptive."*

If test drilling is permitted at Llandow, there are concerns about noise levels. The applicant's expert report claims that noise will not be an issue, but concedes that this is a very quiet area overnight. Whether homes and businesses will suffer noise disruption will not be known until drilling starts. And under the applicant's plans, any problems would be continuous, for at least 5 weeks.

It is not reasonable to allow continuous drilling so close to businesses and homes. Businesses will be affected during the day. Homes will be affected during the night hours.

For the above reasons we would urge you to refuse the application.

Yours faithfully

A thick black horizontal bar redacting the signature of the sender.

**Emyr Byron Hughes and Mair Hughes**

Aberthaw House 103  
Llanymaen Rd  
Aberthaw  
Cowbridge  
Vale of Glam  
CF71 7HE

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 9<sup>th</sup> Sept 2011

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- ~~The noise levels during the~~ proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



(MRS E. F. GEORGE)  
CLLK. Cowbridge)

Planning ref:-  
2011/00812/FUL

Distances Road,  
Kentwell Meizen,  
Vale of Glamour  
11.9.11

Mr. Steve Ball,  
Principal Planning Officer,  
Planning & Transportation Services,  
Vale of Glamour Council,  
Dock Office,  
Burry CF63 4RT,  
Dear Mr. Ball,

With reference to the application for drilling for gas at Gander Industrial Estate, with the potential health & safety problems associated with the Fracking process, I strongly advise the need to have a moratorium before proceeding

Yours sincerely  
[Redacted Signature]

5 Heol y Nant,  
Llandow,  
CF71 7PE  
11.9.11

Steve Ball,  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
CF63 4RT

Dear Mr Ball

Exploratory gas bore hole application-objection, planning ref: 2011/00812/FUL

I am writing to voice my concerns regarding the re submitted application for the above project.

Although this is an application for exploration purposes, I am concerned about the impact and consequences for our communities in the Vale.

My main concerns are:

The anticipated noise levels. We can hear the noise of the race cars on the Llandow circuit and we are in no doubt that the noise from the drilling will pollute our tranquillity as it is intended to be continuous, 24 hours a day!!

The impact on our local businesses. Many businesses have said that they will move if this is given the go ahead. The Llandow business park is an essential employer and allowing exploration would undermine existing business.

The massive impact in our lovely community. The concern over health issues regarding escaping gases and water contamination. I have recently undertaken gruelling chemotherapy for cancer. I have loved living in our community and enjoyed taking our dog on country walks. I have really appreciated the peace and quiet and pure air. I feel that if this goes ahead I will have to move as Llandow will no longer be a place where I can recuperate. I am also concerned about the effect on house prices. Who would want to live here?

We are show casing our area by holding the National Eisteddfod in 2012. We are raising funds for the occasion. Why should we do this now when it's success will be compromised by this application?

Many people will turn away from our beautiful area and tourism will cease. This will be a massive blow to us all.

I trust that you will take my strong objections into account.  
Please ask the Welsh Assembly Government to call in this application.

Yours Sincerely,



Mrs Sally Harrop

16  
Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU

Dear Mr Thomas

**GAS DRILLING IN THE VALE**  
Re: Original Planning Application No. 2011/00115/FUL


Please accept this letter as notification of my unequivocal opposition to the above planning application re submitted to you for a second time by Coastal Oil and Gas Limited. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences to the surrounding area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US.

We oppose the initial application not only to halt any further stages in this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic will create is not acceptable.

We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

  
James Young

Address      15 Tyle House Close  
Llanmaes  
Vale of Glamorgan  
CF61 2XZ

Alastair McQuaid  
The Pheasant House  
Nash Manor  
Cowbridge  
Vale of Glamorgan  
CF71 7NS

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council Civic Offices  
Holton Road  
Barry  
CF63 4RU

8th September 2011

Dear Mr Thomas

**Re: Planning Application No. 2011/00812/FUL  
Proposal: drill and test the in situ limestone and associated strata for the  
presence of gas**

I wish to register my objection in the strongest possible terms to the above planning application submitted to you by Coastal Oil and Gas Limited.

The grounds for my objection are as follows:

- The test drilling will be detrimental to neighbouring homes and businesses, to wildlife and also the economic and social wellbeing of the area
- Approval of the test drilling application is contrary to the Council's stated environmental policies and agreed priorities
- A successful application for test drilling is an initial, integral step towards extraction, in the event gas is found. So, the catastrophic environmental impact of the extraction process should be considered as part of the application for test drilling, and provides grounds for rejecting it.

**The test drilling will be detrimental**

My home is 800m from the drilling site. The application identifies four noise sensitive properties ranging from 260m to 620m from the site. The Applicants previous application in March 2011 also identified Springfield Nursery at 750m. The present application does not include Springfield Nursery; neither application includes Wilton Farm or my property, both at similar distances from the site. These omissions, along with exclusion of the noise impact upon the light industrial and commercial premises on the Llandow Industrial Estate, are misleading to the Planning Committee in relation to the noise impact of the drilling operations on neighbouring properties.



The Applicants quote a manufacturer's figures for a "similar" drilling rig of 74db at 1m but do not clarify how similar or dissimilar it is, nor the operating conditions relating to this reading. For comparison, a figure of 74db is lower than a telephone ring (80db), a diesel lorry (90db at 10m) or a lawnmower (107db at 1m) and is not credible as an estimate of the noise level generated by an industrial geological drilling operation. It is worth noting that the decibel scale is not a linear measure of loudness; an increase of 10db represents a doubling of loudness and an increase of 20db a quadrupling of loudness. Therefore, even a slight misstatement by the Applicants of the decibel level associated with their operations has a very significant impact on the level of noise pollution experienced by affected properties. The Applicants themselves identify very low levels of background noise at the site during the day and exceptionally low levels of noise at night. Consequently, the background noise levels will not mask the additional noise generated by the drilling operation which will be heard by those affected; most particularly at night time.

In S.14 of the Application, Biodiversity and Geological Conservation, the Applicants do not identify any likelihood of adverse impact on protected and priority species either on the development site or on land adjacent or near to the development site. However, bats, pipistrelles, owls and fieldmice are all present at Llandow Industrial Estate and on neighbouring land, and will be adversely affected by the constant night time noise and artificial light during the weeks of 24 hr, 7 days per week drilling operations proposed by the Applicants. In 2009, the School of Life Sciences at the University of Sussex in a report for the People's Trust for Endangered Species identified the adverse impact of such light and noise on bats at night. Bats and pipistrelles, and also their habitats, are protected by UK and EU law.

Granting planning consent for test drilling would have an adverse effect on property prices throughout the rural Vale, and most particularly on properties in proximity to the site. It would reduce the attractiveness of the area to potential property purchasers and visitors with a subsequent adverse impact upon the local economy. This would be multiplied several fold if gas extraction operations commenced using "fracking."

### **Approval is contrary to the Council's policies**

To approve the application in the face of evidence of the damaging effects on the environment runs counter to the Council's vision for the area, which seeks, "*to conserve and enhance the best features of the Vale so as to raise the quality of life for all who live in the area or visit it for work or recreation.*" The Council also refers to the Vale as a place "*...that is safe, clean and attractive, where individuals and communities have sustainable opportunities to improve their health, learning and skills, prosperity and well-being.*" Approval of the application would also directly conflict with the Council's aim for regeneration, which clearly balances economic growth with environmental protection, and states that the Council will "*...work with*

*partners to develop a sustainable community which maximises opportunities for economic growth, social improvement and environmental regeneration and protection." This aim is supported by an explicit Improvement Objective to "protect and enhance the Vale's natural and built environment."*

**The environmental impact of the extraction process should be considered as part of the application process, and provide grounds for rejecting it**

If the gas drilling tests proposed in the application are successful, then extraction operations would follow. The disastrous impact of chemicals involved in the hydraulic fracturing process on the local environment, and the dangers posed to the health of the surrounding population are well known in the United States; highlighted in the Oscar-nominated documentary film "Gasland" and in BBC documentaries. These risks have led to a moratorium on test drilling and extraction in several North American States, and also in France and Germany.

In addition to the direct impacts of hydraulic fracturing extraction, the additional volumes of lorry traffic involved in transporting water and chemicals will have a considerable detrimental effect on the quality of life of local residents. We are already affected by increased lorry traffic associated with the waste transfer station approved recently by the Council, and also by aircraft using the locality as a turning point on approach to Cardiff airport. Furthermore, the local roads are completely inadequate to provide site access.

I hope you will reject this application for the reasons I have set out above. However, if the Applicants are successful, I hope that you would apply very stringent conditions in relation to noise pollution, the schedule for completing the test drilling, and the impact on neighbours and wildlife, so that any breach of conditions can be followed by enforcement action and significant penalties. I also hope that you would ask for any approval decision to be called-in by the Welsh Government.

There has been very limited local publicity about the application, and about the potential consequent extraction activity, and very little opportunity to mobilise residents who will be affected in order to oppose it. I hope therefore you will give serious consideration to my most strenuous objections.

Yours sincerely

Alastair McQuaid

And on behalf of:  
Sarah McQuaid  
Myles McQuaid

158  
The Wardens Caravan  
Llandow Caravan Park  
Llandow  
Cowbridge  
Vale of Glamorgan  
CF71 7PB

Mr. M. Lucas  
Planning Department  
Vale of Glamorgan Council  
Civic Offices  
Holton Road  
Barry  
CF63 4RU

24<sup>th</sup> March 2011

Dear Mr Lucas

Re: Planning Reference No. 2011/00812/FUL

I am writing to you to oppose the planning application on the industrial estate to start tests to drill for gas.

The test stage will affect our business and customers with continuous drilling, noise and traffic. My husband and I have worked hard to improve this business since we started 2 years ago and as a result, the park has had one of its busiest summers to date.

We have built up a fantastic reputation as being a quiet and peaceful place where our visitors can relax and have been voted in the Top 100 Parks in the UK by the readers of Practical Caravan magazine.

If this test stage is allowed, then the noise pollution it will create for 14 weeks will disrupt our customers during their stay and damage the great reputation we have built up.

If they were to proceed to start full scale gas drilling at Llandow, it would be detrimental to the caravan park and could potentially result in closure.

The caravan park brings many visitors to the area which is only due to increase as we expand during 2012 to accommodate a further 75 caravans and tents.

I appeal to you to consider the other businesses on Llandow and the damage this could cause should you allow this application. This is not only our job, but our home too.

Yours Sincerely,



Geraldine Smith  
Warden  
Llandow Caravan Park

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU  
drthomas@valeofglamorgan.gov.uk

Dear Mr Thomas

**GAS DRILLING IN THE VALE**  
**Re: Original Planning Application No. 2011/00115/FUL**

Please accept this letter as notification of my unequivocal opposition to the above planning application re submitted to you for a second time by Coastal Oil and Gas Limited. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences to the surrounding area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US.

We oppose the initial application not only to halt any further stages in this process at Llandow, but also as the testing stage will be extremely disruptive to the area. 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic will create is not acceptable.

We categorically oppose this testing stage for gas drilling being undertaken in Llandow

Yours Sincerely,

.....  


Address.....

58, Trebeferad  
Boreston  
Northampton Major  
CF61 1UX

Mill Brow, Brookfield Park Road,  
COWBRIDGE, S.Glam.CF71 7HJ  
[REDACTED]  
[REDACTED]

Date 12<sup>th</sup> September 2011

Mr.S. Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Ref. 2011/00812/FUL

Dear Sir,  
Exploratory gas bore hole.

I went to the meeting in Cowbridge last week. It is entirely beyond me why our leaders even contemplate the possible destruction by seepage of good agricultural land in the proposed fashion. This exploration will cause an awful lot of noise, interfere with the businesses in close proximity on the airfield, produce a lot more traffic on narrow roads, inhibit the National Eisteddfod I should think, and which tourists want to visit a mining area?

I am told that if I object also to the whole process of fracking that you will ignore this objection. I must tell you therefore that I am not objecting to the process now, but you will know that there would be no point in this company doing the exploration if it did not intend to pursue this. The process is clearly far from proven, as we see in parts of the continent, America and Blackpool. However this objection will have to wait until a possible later date,

Yours faithfully,

[REDACTED]  
R.H.Bradshaw

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government

**From:** Cheryl Morgan-Veck [REDACTED]  
**Sent:** 12 September 2011 11:15  
**To:** Thomas, Rob  
**Subject:** Objection to Gas Drilling in the Vale

Dear Mr Thomas

**GAS DRILLING IN THE VALE - ORIGINAL PLANNING APPLICATION NO.  
2011/00115/FUL**

Please accept this letter as notification of my unequivocal opposition to the above planning application re submitted to you for a second time by Coastal Oil and Gas Limited. I am gravely concerned that should the proposed operation to 'Drill and test the insitu lower limestone shale and associated strata' be successful it will lead to further stages in the Gas Drilling process, which could have catastrophic consequences to the surrounding area.

The hydraulic fracturing process to extract gas from the ground is highly controversial and has had detrimental effects to rural areas in the US.

We opposed the initial application not only to halt any further stages in this process at Llandow, but also as the testing stage will be extremely disruptive to the area, 7 weeks continuous drilling, 24 hours a day with the associated noise and traffic it will create is not acceptable.

We categorically oppose this testing stage for gas drilling being undertaken in Llandow.

Yours sincerely  
Mr & Mrs Veck  
Brynteg  
Nash  
COWBRIDGE  
CF71

GAS DRILLING IN THE VALE - ORIGINAL PLANNING APPLICATION NO.  
2011/00115/FUL

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We categorically oppose this testing stage for gas drilling being undertaken in Llandow.

Yours sincerely  
Mr & Mrs Veck  
Brynteg  
Nash  
COWBRIDGE  
CF71

**Lewis, Joanne C (EER)**

**From:** Thomas, Rob  
**Sent:** 13 September 2011 08:41  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: gas drilling proposal

Rob Thomas  
Head of Planning and Transportation  
Director's Office - E&ER  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: 01446 704630  
e-mail / e-bost: [DRThomas@valeofglamorgan.gov.uk](mailto:DRThomas@valeofglamorgan.gov.uk)

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

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Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*

**From:** TOM ANDREWS [REDACTED]  
**Sent:** 12 September 2011 20:35  
**To:** Thomas, Rob  
**Subject:** gas drilling proposal

may i add my objections to this idea ,before you know it ,,this could escalate out of controI,changing this lovely part of the vale into yet again a miserable heap of unsightly mess ;;act now i am pleased the local are of the firm comitment to preserve this area ; my good wishes to you all , joyce andrews sketty swansea,, and yes i have an interest!!!!i am mark gabb ,s grandma ,



**Lewis, Joanne C (EER)**

**From:** Ball, Steve J  
**Sent:** 13 September 2011 09:15  
**To:** Planning & Transportation (Customer Care)  
**Subject:** FW: Planning Application No. 2011/00812/FUL OBJECTION.  
**Importance:** High

Please ack, log and print.

thanks

Steve Ball  
Principal Planner  
Planning and Transportation Services  
Vale of Glamorgan Council / Cyngor Bro Morgannwg  
tel / ffôn: 01446 704602  
e-mail / e-bost: [SJBall@valeofglamorgan.gov.uk](mailto:SJBall@valeofglamorgan.gov.uk)

Visit our Website at [www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)  
Ewch i'n gwefan yn [www.bromorgannwg.gov.uk](http://www.bromorgannwg.gov.uk)

Find us on Facebook / Cewch ddod o hyd i ni ar Facebook  
Follow us on Twitter / Dilynwch ni ar Twitter

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Ystyriwch yr amgylchedd. Peidiwch ag argraffu'r neges hon oni bai fod gwir angen.*

**From:** Nicola Thomas [REDACTED]  
**Sent:** 12 September 2011 16:31  
**To:** Thomas, Rob; Ball, Steve J  
**Subject:** Planning Application No. 2011/00812/FUL OBJECTION.  
**Importance:** High

HIGHFIELD  
1 Tyla Rhosyr, Cowbridge, Vale of Glamorgan, CF71 7AU  
[REDACTED]

Robert Thomas, Esq.,  
Head of Planning  
Vale of Glamorgan Planning Department,  
Barry,  
Vale of Glamorgan.

Dear Mr. Thomas

**Re: Planning Application No. 2011/00812/FUL  
Drilling for Gas on Llandow Trading Estate – Coastal Oil and Gas.**

I wish to place objections to the above planning application on the basis that:

1. This application is in direct conflict with The Vale of Glamorgan Land Contamination Inspection Strategy Plan 2005 in which The Vale of Glamorgan Council's written policy/aims is, and I quote,

13/09/2011

"The overall aim of the Vale of Glamorgan Council, with regard to contaminated land, is to PROTECT PUBLIC HEALTH, PREVENT HARM TO ITS ENVIRONMENT AND TO ENSURE THAT LAND CONTAMINATION WITHIN ITS AREA IS DEALT WITH SATISFACTORILY." This can be achieved by using the PART IIA OF THE ENVIRONMENTAL PROTECTION ACT 1990.

UNDER PART IIA, THE STATUTORY DEFINITION OF CONTAMINATED LAND IS:

"Any land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land, that:

- Significant harm is being caused OR THERE IS SIGNIFICANT POSSIBILITY of such harm being caused; or
- Pollution of controlled waters is being caused OR IS LIKELY TO BE CAUSED."

2. In my opinion there is no department, within the Vale of Glamorgan, adequately equipped with the necessary level of specialized expertise in the field of deep bore hole gas exploration or indeed any ongoing gas fracing/extraction processes, should gas be found in the area, as a result of this gas exploration application.

The Vale of Glamorgan Council, their planning department and committee have an obligation to **recognize the future implications** of this particular planning application and **identify any problems** which could present themselves **as a result of this particular planning application**.

In that context, the possibility of future Gas fracking and its subsequent possible dangers to both the local environment, the well being to public health, and the tourist industry and agricultural food production in The Vale of Glamorgan must be taken into consideration as it is my belief that should any exploration of this nature find substantial gas resources, then Coastal Oil and Gas, not being a big enough company nor having the necessary equipment necessary to move forward with such a project, would undoubtedly make their money by selling out to a much bigger oil or Gas company to extract the gas. In this instance, one has to consider whether the Vale of Glamorgan Council would have either the specialized expertise to police any resulting ongoing production of gas, or, more importantly, the financial resources in hand to cover any probably litigation and legal costs were an extraction company, such as Shell, BP, or any other large company, found to be in breach of regulations.

With this in mind, should this application be irresponsibly approved, then one would hope that huge and extensively comprehensive section 106 conditions to pay for the setting up and running of such a specialized department as mentioned above which could monitor and police any such projects in The Vale of Glamorgan on a 24/7 basis, 356 days a year, so that the additional costs incurred would not come out of already stretched local or national tax payer resources.

3. I object also on the basis that this seemingly innocent planning application, to explore for gas, would, if gas were to be found, open up an invitation for many more gas/oil companies coming into the Vale of Glamorgan, independant of this application but **because of the knowledge gained from this particular application**, to either explore or drill further extraction sites in the area.

3. I would like to draw to the attention of all planning officers and planning committee members "THE WATER RESOURCES ACT 1991".

The Water Resources Act 1991 made it A CRIMINAL OFFENCE to cause, or UNKNOWINGLY PERMIT WATER POLLUTION. Under Section 161 of the WRA 1991 the Environment Agency, who regulate the ACT, have powers to require action to be taken to prevent water pollution.

Will The Vale of Glamorgan Council be happy to take full responsibility for their actions in permitting the work which they have been warned by so many could lead to the possible contamination of the Aqueous Limestone layer which provides or could provide for the future clean drinking water to the population in this

area? Would The Vale of Glamorgan Council therefore be seen to have committed a criminal offence under Part IIA of the EPA 1990 by virtue of their giving the go ahead for "the possible contamination/pollution of controlled waters" and therefore leave themselves open to Judicial Review?

I do not need to remind you that the Vale of Glamorgan council is a body elected by the public, running on public/tax payers money, and any liabilities they incur, either legally or otherwise will necessitate the use of public funds and will therefore put an increased burden on the tax payers of The Vale of Glamorgan and there is an obligation, therefore, to take the views of the taxpayers into serious consideration on such an important matters as those that this particular planning application lays open the door to.

4. I object on the basis also that according to the list of neighbors informed on your planning register documentation, whereby planning officers have managed to inform people living some eight to ten miles away from the site, such as St. Hilary, St. Athan, even as far afield as addresses in Cardiff, they have omitted to inform hardly any of the local land owners whose land totally surrounds the Llandow Trading Estate.

These are the people who, if land or water table contamination were ever to be a future problem, as a result of the knock on effects of this planning application, would be seriously effected both in terms of their health and the viability of their businesses. This is a serious under-sight and negligence on the part of the planning officers in this matter and would leave The Vale of Glamorgan Council in my opinion negligent if it is not corrected before this application is heard.

5. The Vale of Glamorgan in the 1700's was one of the largest lead mining areas in Wales and the land in and around the Vale still holds an extremely high lead content, this is a serious consideration to be taken into account should this application for exploration of GAS resources be fruitful and bearing in mind that this particular planning application could be the catalyst which opens up the door to many more applications to extract gas in the area with the self same problem.

6. The Vale of Glamorgan is an area with existing, known, pockets of extremely high levels of Radon in the geological rock underground and this being a highly radio-active substance/gas, which is both invisible and undetectable by the human senses. The possible release of this gas and the contamination of any water waste from the site or future sites, is also a serious consideration to be taken into account. Any water used in the operation could well, therefore, be radio-actively contaminated and my concerns are for the safe disposal of such waste.

Bearing in mind that The Vale of Glamorgan is a ward with many conservation areas and is highly attractive and boosts its economy through tourism boasting the wonderful Heritage coastline as well as many other ancient monuments and areas of particular beauty, and furthermore bearing in mind that The Vale of Glamorgan has the resources at hand of the second highest tide in the world around its coastline and therefore the possibility is endless for investment in the production of Hydro energy which is both clean and provides no danger to public health or to the environment, I object strongly to any Planning application such as 2011/00812/FUL, which goes ahead and will inevitably put the Whole of the Vale of Glamorgan, as we know it today, at risk of turning into a dirty, contaminated, environmentally unfriendly and unhealthy energy park.

Yours sincerely

**Nicola C. Thomas.**

13/09/2011

Cllr. Mrs. Nicola C. Thomas.

157  
The Granary  
Fonmon  
Barry  
Vale of Glamorgan  
CF62 3BJ  
11.09.2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. I work in a quiet office very close to the site of the intended drilling. The noise would have a huge impact on my work.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the substantial drop in house prices, devastating the whole local economy, should shale gas be found.
- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

*Jennifer Morgan Coles*

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Craig Roberts  
Forgeside  
Forest Road  
Llanharry  
CF72 9JW

12 Sept 2011

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr Ball,

**Exploratory gas borehole application – objection (Panning ref: 2011/00812/FUL)**

I write to formally object to the resubmitted application for an exploratory borehole at the site in Llandow to investigate the potential for commercial extraction of shale gas. My concerns and comments are detailed below.

**1.0 Introductory Statement**

I note that this is an application for exploration purposes only, however exploration is clearly, directly and inherently linked to commercialisation of any potential resource. My concerns relate to this planning application (Ref:2011/00812/Ful), to the potential socio and environmental risks associated with shale gas extraction in the area and to the principal of the activity.

This is one of the most precious parts of South Wales. It is close to the Heritage Coast. As I am sure you are aware one of the key objectives behind the designation of the heritage coast is to ensure that the undeveloped character of the coastline is conserved and to enable the provision of appropriate recreational facilities. The potential conflicts associated with commercial gas extraction in close proximity to the Heritage Coast are clear to all.

**2.0 Summary of Key Concerns**

My concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. The drill process will create a substantial amount of noise 24 hours a day, noise will result from the operation of the drilling rig, movement and placement of steel casing (500m of) and drilling rods (800m of), lighting gantries & associated generators, shaker tables, concrete batching plants (needed for appropriate decommissioning to the borehole) and vacuum tankers required to tanker off extracted waters / drilling fluids. The Vale of Glamorgan (VOG) will have no doubt noted that the submitted noise assessment only includes the noise from the drilling rig not for the noise associated with the total plant required to complete the proposed activity.
- I also understand that several employers located on the industrial estate have indicated that they will move their premises away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in the Vale.
- The impact on residents in the area will also be significant – noise levels, increased traffic and concern over potential environmental and health impacts regarding escaping ground gases and water contamination. These risks, both real and perceived have the potential to blight the local area and economy, should shale gas be found.

- Impact on controlled waters is of particular concern, with several private boreholes in the immediate vicinity – though Welsh Water does not record this in their response to the planning application. It is noted that Local Authority records for private water abstractions do not appear to have been consulted.
- Gas drilling and extraction would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies.

### **3.0 Comments on Planning Applications and Supporting Information**

In reviewing the information provided I noted the following:

#### **3.1 Planning Application**

##### Section 15 – Existing Use

Coastal Oil and Gas UK Ltd has indicated that they consider that the site is not contaminated nor is it land on which contamination is suspected. They have also indicated that the proposed end use would not be susceptible to contamination.

The site is located on the Llandow industrial estate, within Section 6.2 of the Accompanying Information provided by Coastal Oil and Gas Ltd indicates that the site is currently used for the unauthorised parking of lorry trailers and other vehicles and that unauthorised rubbish is also being dumped on the site. Both these activities have the potential to result in land contamination.

Furthermore and potentially more concerning is Coastal Oil and Gas UK Ltd failure to note that the site is a former operational WWII airfield. Llandow airfield operated for nearly 20 years, during the latter part of this operation it is known that the site was used for the breaking up of aircraft.

The potential for land contamination resulting from such operations is widely documented. Details of the operations completed and potential contaminants of concern are published by Environment Agency within Department of the Environment Industry Profiles, these include airfields and aircraft manufacturing specific profiles.

In light of the above Section 15 of the application is incorrect.

##### Section 23

Typographical Error "borehle"

Noted that an "800m" borehle is proposed.

##### Section 25

Coastal Oil and Gas UK Ltd has indicated that no hazardous materials will be stored on site.

In light of known history of the site, the potential for hazardous waste to be produced during the drilling can not be discounted. It is noted that drilling waste will be stored on site prior to off site disposal. Whilst Coastal Oil and Gas Ltd may not of been aware to the potential for contaminated

Only a single round of monitoring has been completed. Given that the site is an exposed position meteorological conditions are likely to be a significant variable at the site. Does this potential not therefore raise the question of how representative / robust the data is?

The report only relates to the drilling rig. All associated activities have been excluded. Noise associated with the following have therefore not been considered.

- vehicle movements
- movement and placement of steel casing (est. 500m of)
- Movement and placement of drilling rods (est. 800m of)
- Generators associated with lighting gantries
- Generators associated with welfare facilities
- Grout batching plant needed for appropriate decommissioning to the borehole
- Vacuum tankers required to tanker off extracted waters / drilling fluids.

It is also noted that Coastal Oil and Gas Ltd has not committed to drilling the rig on which the noise assessment has been based. Is there therefore not uncertainty regards the actual noise level that will be generated as different drilling rigs no doubt generate different noise levels?

Uncertainty regarding the rig used is highlighted by the inconsistencies reported with the mast height information provided by Coastal Oil and Gas Limited (see section 3.2 above). In light of the uncertainty regards the rig type would it not have been more conservative and appropriate to use a range of noise levels?

It is noted that Hunter Acoustics have undertaken the noise monitoring in accordance with the methodology defined within BS 4142:1997 and with reference to World Health Organisation (WHO) sleep disturbance limits to assess noise levels at Noise Sensitive Premises at night. The predication methodology used by Hunter Acoustics to determine noise levels at the defined Noise Sensitive Premises isn't as far I can see stated within the document, therefore the assessment cannot be peer reviewed.

Hunter Acoustics conclude that night-time noise levels at the site are low. Given that night levels of noise as low, surely annoyance posed by the operations is likely to be greater than within an area with a higher background noise? I also note that the methodology used aims to assess noise risk posed by longer-term sources, not sporadic and shorter-term sources of noise pollution, which can have a greater nuisance affect.

#### **4.0 Closing Comment**

The significant number of typographical errors, not all of which are discussed above and inconsistencies draw into question the quality of the submission and consequently cast in my eyes doubt on the ability of Coastal Oil and Gas Ltd to manage the works to an appropriate standard.

Further to the above and on a wider subject I believe that VOG should consider if the extraction of a diminishing resource is an operation that is consummate with the Welsh Government's commitment to Sustainable Development?

Yours sincerely,

  
Craig Roberts

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan



**Cowbridge and Llanblethian Residents Group**

Mr D.R.Thomas  
 Head of Planning and Transportation  
 The Vale of Glamorgan Council  
 Dock Office, Barry Docks  
 Barry  
 CF63 4RT

2, Darren Close  
 Cowbridge  
 Vale of Glamorgan  
 CF71 7DE

11<sup>th</sup> September 2011

**Planning Application No. 2011/00812/FUL Coastal Oil and Gas Limited**  
**Drill and test the insitu lower limestone and associated strata for the presence of gas**

Dear Mr Thomas,

In reply to your letter to me of 22nd August re the above planning application, **we wish to oppose this application for the following reasons:-**

1) Local Aquifer Contamination Risk

The proposed drilling poses a risk of contamination of the Carboniferous Limestone aquifer which will be penetrated during the exploratory drilling.

The limestone aquifers beneath the Vale of Glamorgan have been and potentially can still be used to supply drinking water from wells and boreholes. Many of these boreholes are privately owned and may not be recorded.

The Vale of Glamorgan's drinking water was supplied locally from the Carboniferous Limestone aquifer by Welsh Water until 1996, after which the water supply was sourced from the Llyn Brienne reservoir in the Towy Valley.

At that time, Welsh Water "mothballed" the borehole so that it could be brought back into supply in an emergency (ref. 1)

These aquifers are referred to by the Environment Agency as sensitive and in need of protection against contamination when planning permission is sought from developers for construction projects above them.

Although the present application proposes measures to case the borehole, it is the failure of the integrity of such encasement which has led to aquifer and drinking water contamination from some shale gas extraction boreholes in America (ref 2, pp 62-64).

This emphasises the need to apply the precautionary principle, to wait until the protective technology is developed to a high enough safety standard before this type of exploration and commercialisation is undertaken.

(It should be noted that the present planning application document is not consistent in the depth of the outer casing designed to protect the land on the surrounding drill site from contamination. The accompanying Information document, Fig 1 shows a casing depth 10 m into bedrock but Section 7.1 states a surface completion hole up to 25 m well depth into bedrock)

Also a survey needs to be made of the degree of present contamination of the drilling site which has been in industrial use since world war 2. Any contamination could be migrated underground towards the aquifer during the drilling process.

The proposed drilling is to a total depth of 800 metres. The sensitive aquifers are at a much shallower depth than this and will therefore be penetrated during the drilling operation.

It is at this aquifer penetration stage, before the proposed steel and cement casing operation is in place and set, that contamination of the water in the aquifer by drilling aids, lubricants and other chemical additives can occur and pose a significant risk.

Such contamination would be permanent and irreversible, and contrary to the Environment Agency's requirements and conditions for planning applications in this area.

## 2) Exploration as an Integral Step in Exploitation

We submit that this planning application cannot be judged and assessed in isolation because it is an integral first step in a foreseen commercial exploitation process for shale gas extraction (if found) which then has significant risks of environmental contamination on a large and widespread scale, as has already been experienced in several parts of the United States (ref. 2, pp 53-68)).

In assessing this exploratory application, account should be taken of the risks represented for the whole process from exploration to commercial exploitation.

## 3) Planning Policy Wales and Pollution Potential

National planning policy in Wales is set out in Planning Policy Wales (ref. 3). Chapter 13 deals with Minimising and Managing Environmental Risks and Pollution

Paragraph 13.1.1 states that "By controlling where development can take place and what operations may be carried out, the planning system has an important role in avoiding or minimising the adverse effects of any environmental risks on present or future land use."

Paragraph 13.12.1 states that "The potential for pollution affecting the use of land will be a material consideration in deciding whether to grant planning permission"

## 4) Tyndall Centre Report Conclusions

The most recent, authoritative and independent assessment and report on the environmental impacts of shale gas was published in January 2011 by the Tyndall Centre at the University of Manchester.

Under key conclusions (ref. 2, p5), this report states that:

**"Evidence from the US suggests shale gas extraction brings a significant risk of ground and surface water contamination and until the evidence base is developed a precautionary approach to development in the UK and Europe is the only responsible action."**

## 5) Development of Global Policies

The European Union, Planning Policy Wales and The Tyndall Centre report all advocate the precautionary principle in authorising projects which carry significant risks and are insufficiently understood. Shale gas exploitation (and therefore exploration) comes into this category.

The US Environmental Protection Agency has launched a research programme to improve understanding of the risk, with initial results expected towards the end of 2012

The UK Energy and Climate Change parliamentary select committee inquiry report on shale gas recommended that on balance, a moratorium in the UK was not justified but that drilling should be monitored extremely closely by the regulatory agencies to assess its impact on air and water quality.

The lower house of the French parliament voted on 11<sup>th</sup> May 2011 to ban all unconventional exploration of hydrocarbons using fracking techniques.

The German State of North Rhine Westphalia, a key area for shale gas, also recently called a halt to plans for fracking..

## 6) Legal Liabilities

Legal liability can occur for compensation to parties affected by resultant contamination.

This is illustrated by the recent case reported in the Wall Street Journal in May 2011 in which the Pennsylvania Department of Environmental Protection has fined Chesapeake Energy Corp nearly \$1.09 million for contaminating the drinking water of 16 families with natural gas and separately, for an explosion at a condensate storage tank.

The state agency said that throughout 2010 it investigated complaints of methane contamination in the drinking water of several residential water wells in northeastern Pennsylvania's Bradford County.

Investigators determined that "improper well casing and cementing in shallow zones" allowed gas from deep basins to seep into drinking water aquifers.

## 7) Noise, Vibration and Dust Disturbance

There are 5 residents' houses and a number of small businesses less than 600m (656yds) from the proposed drilling site at Llandow.

Drilling will operate for 24 hours a day, 7 days a week for up to 5 weeks during the proposed exploration operations; significantly disturbing the peaceful enjoyment of the occupants because of the noise, vibration and dust caused in these operations.

We therefore recommend that this planning application is refused for the reasons stated above

Yours sincerely,      Chris Pearce

Dr C.A.Pearce (Coordinator) Cowbridge and Llanblethian Residents Group

### References:

- (1) Letter from M.Brooker, Divisional Director, Welsh Water to Cowbridge customers re Cowbridge Water Supply 20<sup>th</sup> February, 1996
- (2) Report by the Tyndall Centre, University of Manchester on "Shale Gas: a provisional assessment of climate change and environmental impacts", January 2011 (78 pages)
- (3) Planning Policy Wales (Wales Assembly Government) Edition 4 February 2011

cc:    Councillor J.James VOG Planning Committee chairman  
       Councillor G C Kemp VOG Council Leader  
       Councillor G.A.Cox  
       Councillor V.Ellis  
       Councillor H.Jarvie  
       Mr.A Cairns MP  
       Mrs J.Hutt AM  
       The Town Clerk, Cowbridge with Llanblethian Town Council  
       Clerk to the Council, Penllyn Community Council

**Lewis, Joanne C (EER)**

**From:** James, Jeffery (Cllr)  
**Sent:** 12 September 2011 14:10  
**To:** 'Kate Hawkins'; Planning & Transportation (Customer Care)  
**Cc:** [REDACTED]  
**Subject:** RE: Objection - 2011/00812/FUL

I acknowledge receipt.

Councillor Jeffrey James  
Rhoose Ward (Conservative)  
Vale of Glamorgan County Borough Council  
email: hjwjames@valeofglamorgan.gov.uk

*NO LETTER  
COLLECTED*

Home [REDACTED]  
Mobi [REDACTED]

**From:** Kate Hawkins [REDACTED]  
**Sent:** 09 September 2011 15:46  
**To:** Planning & Transportation (Customer Care)  
**Cc:** [REDACTED]  
**Subject:** Objection - 2011/00812/FUL

For the attention of Mr SJ Ball - copy of objection letter re 2011/00812/FUL attached. Please confirm receipt.

Kate Hawkins

**Lewis, Joanne C (EER)**

**From:** James, Jeffery (Cllr)  
**Sent:** 12 September 2011 12:24  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: 2011/00812/FUL Exploratory Drilling at Llandow

Dear Ms Bhanaut

I acknowledge receipt of your email letter of representation which will be considered as part of the application process.

Regards,

**Councillor Jeffrey James**  
**Rhose Ward (Conservative)**  
**Vale of Glamorgan County Borough Council**  
**email: [hjwjames@valeofglamorgan.gov.uk](mailto:hjwjames@valeofglamorgan.gov.uk)**

**Home** [REDACTED]  
**Mobile** [REDACTED]

**From:** Helen Bhanaut [REDACTED]  
**Sent:** 11 September 2011 23:52  
**To:** Planning & Transportation (Customer Care) [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Ref: 2011/00812/FUL Exploratory Drilling at Llandow

26 St Brides Road,  
 Wick,  
 Vale of Glamorgan,  
 CF71 7QB.

11<sup>th</sup> September, 2011.

Mr. Steve Ball,  
 Principal Planning Officer,  
 Planning & Transportation Services,  
 Vale of Glamorgan Council,  
 Docks Offices,  
 BARRY CF63 4RT.

Dear Mr Ball,

**Ref: 2011/00812/FUL**

I am concerned about the application by Coastal Oil & Gas to drill an exploratory hole in the area Llandow in order to search for gas which is a resubmission of a previous application.

Although the application is only in respect of an initial exploration, I believe that it has serious and potentially damaging implications for the area. The area around surrounding the Llandow business p

13/09/2011

is primarily agricultural and this type of activity is incongruous and inappropriate. In particular, it ma

- Affect local business on and around the Llandow business park. I understand that some businesses are already planning to relocate should the planning application be approved. This can only be to the long term detriment of the area in terms of employment and investment.
- Have the potential to damage the agricultural environment and health of residents. The possible escape of gas and water contamination could have a devastating effect whilst the inevitable increase in noise over the 6-7 weeks of constant drilling would have a detrimental effect during period of operation. This of course is with the prospect of continuation should gas be found.
- Make the area unattractive to tourists and visitors. An operation of this type which is out of keeping with the rural environment, noisy and resulting in an increase in traffic would have an impact on all those businesses that depend on tourists.

As someone who regularly travels through Llandow, I am very concerned about the increase in h vehicle traffic, not only through the narrow lanes of Llandow itself but in the surrounding locality lanes around Llandow are quite narrow in places and in constant need of repair, even with the current amount of traffic. Also the village of Wick is on one of the main roads to the area and, living on the main road through the village, the increase in traffic, together with the other factors already mentioned, could have an impact on the value of our property. As a former teacher, I am also concerned about the implications for the safety of children walking to the local primary school, particularly on the edges of the village where there is no pavement.

It is my strong belief that any potential benefits that might be derived from allowing this exploration drilling to go ahead are vastly outweighed by its potential damage. I hope that you will consider objections that I have made in reaching your decision.

Yours sincerely,

Helen Bhanaut

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

**Helen Bhanaut**

Email: [REDACTED]

Website: [REDACTED]

13/09/2011

Cowbridge  
 Vale of Glamorgan  
 CF71 7NZ  
 11th September 2011

Dear council members of the planning committee,

I am writing to you to express my serious objection to the gas drilling application on Llandow industrial estate. I live in Llandow village with my wife and two young children less than a mile from the drilling site and the effect on our home, quality of life and health just from the drilling will be hugely detrimental. I fear supporting the application will reflect badly on you come council election time.

My detailed objections are as follows:

- The noise from 7 weeks of continuous 24 hour drilling will be unbearable as will the metallic hammering and clanking when drill pipes are extended, changed etc. As I said our home is less than a mile from the proposed site so to suggest, as the applicant does, that noise pollution won't be an issue is hard to believe. We moved to the village to get away from noise and hustle and bustle and give our children a good quality of life. Granting this application will seriously compromise that and we will consider leaving the area and living somewhere else
- Should this application be approved it will be incompatible with the Vale council's tourist drive. To describe the area as a tourist destination and advertise the Heritage coast while at the same time approving a 24/7 gas drilling operation right next to a caravan park will appear to many to be incongruous at best. The loss of tourists to this area will be inevitable and have a financial impact on the surrounding area at a time when everyone is struggling because of the global economic downturn
- The council seeks to invest in the rural economy and encourage rural life through its Creative Rural Communities strategy. Granting this application will utterly contradict that strategy and make anything the council does in rural affairs meaningless
- The increase in traffic will add yet more pollution into the air and strain an already inadequate road system
- The inevitable loss of businesses from the industrial and trading estates as they take their business elsewhere will also have a harmful effect on the local economy
- The Vale should be congratulated on attracting the Eisteddfod to Llandow. I wonder how the Eisteddfod feels about having a 24/7 drilling operation on the doorstep. More importantly how many other such prestigious events will look elsewhere when they see the Vale council riding roughshod over its residents feelings and being seen to support such a controversial application
- Is this really how the Vale wants itself to be seen; granting such an application for drilling less half a mile from peoples homes? Is this really the legacy the council wants to bequeath to its residents and future generations?
- The prospect of job creation has been overblown. This site will require minimal human input and those jobs will likely go to mining engineers from outside the area
- Though this application deals with the exploratory drilling, and my objections so far relate to this alone, the consequences of there being millions of pounds of usable gas cannot be ignored. There will inevitably be an application to extract and the economic case will be a powerful one to approve. The consequences of allowing gas extraction by "fracking" in this area are too horrific to contemplate given the experiences of elsewhere. And

it's not just the local Western Vale that will suffer; the effects will be felt much wider. Do you and the council really want to be the ones to open up the Vale to this and open the floodgates for elsewhere within Wales and the UK?

I urge you to reject this application and encourage your fellow members on the planning committee to do the same.

I await your decision with interest

Yours sincerely

David Farrell



Applic no.  
2011/00812/FUL

140  
Corinne Johnson  
1 Sutton Rd  
Llondon  
Nr. Leamington  
Vale of Glam.  
CF71 7PA  
8th Sept 2011

Dear Sir,

I am writing to you again  
to protest about the proposal  
to drill and test for gas  
at unit 1 Llondon industrial estate

I have lived in this house  
for nearly 37 years and am disabled.

The drilling will be ~~intolerable~~ <sup>continuous for 3 weeks</sup> for  
the noise level as I am only 2

fields away from the site. If  
gas is found the poisonous substances  
used in the fracking process could  
poison the water and have ~~unknown~~  
unknown dangers for the wildlife  
farming, and future of the area.

I believe fracking to be  
dangerous and I object to it being

done in the beautiful Vale of  
Gloucester, in fact I think it  
should be banned throughout Great  
Britain, as it is dangerous to the  
environment.

Yours sincerely

[Redacted signature]

POST OFFICE  
STATION  
GLoucester

5 SEP 2011

GLoucester

DEER	RECEIVED	ACTION BY: SJB	NO: 8578	ACN: 1/9/11
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4 West End  
Llantwit Major  
Vale of Glamorgan  
CF61 1SL

[REDACTED]

[REDACTED]

Mr. Rob Thomas  
Head of Planning and Transportation  
Vale of Glamorgan Council  
Civic Offices  
Holton Road,  
Barry, CF63 4RU

06 September 2011

Dear Mr Thomas

#### GAS DRILLING IN THE VALE

Re: Original Planning Application No. 2011/00115/FUL

I strongly object to the above planning application resubmitted by Coastal Oil and Gas Limited on these grounds:

1. The initial drilling will take a claimed 7 weeks and could well be longer. There will be no respite from the continuous noise which will cover a radius of miles for 24 hours a day. Some properties will be within 250 metres.
2. The Company did not realise the proximity of the nearest property in the initial application. Such lack of full investigation by them casts doubt on any other of their intentions and work plans.
3. If this initial application is successful then that implies that further extensive work will follow to extract gas, otherwise there is no point in allowing this application.
4. Further work will involve fracturing of the rock. This has caused problems elsewhere. Several areas, including the state of New Jersey, the city of Buffalo, New York, and the Canadian province of Quebec, have recently banned the practice or issued moratoriums on new development. On May, 11 the lower house in the French parliament voted to ban the technique. (Scientific American May 12 2011).
5. Fracking fluids contain many compounds, including sand, ground-up walnut shells, salt, citric acid, benzene--a known carcinogen--and lead. Some of these help to keep the fractures propped open; some reduce water surface tension and keep particles suspended in the fluid even at high pressures; and some are biocides that stop bacteria from clogging up the well. A U.S. Congressional report released in April showed that the 14 most active hydraulic fracturing companies in the United States together used nearly 3 billion liters of fracking fluid, not including water. The products contained at

least 29 chemicals that are known or possible human carcinogens. (Scientific American May 12 2011).

6. The Company claims they might get natural gas from the Devonian layer. Even this will result in traffic and disturbance. It may cause earth quakes.

7. My wife and I rented a property in the quiet village of Llandow last year. It is a most peaceful place. It is sacrilege to allow any disturbance there. Residents and businesses in the locality will be seriously affected if drilling takes place. The Vale of Glamorgan is a beautiful, peaceful area to which visitors are attracted. I categorically oppose this testing stage for gas drilling being undertaken in Llandow. Whilst test drilling will be disruptive over a wide area, if a source of gas is found the consequent irrevocable changes to the environment will be disastrous and your Council will be held responsible for ever.

Yours sincerely,

A black rectangular redaction box covering the signature of Dr Matthew Lewis James.

Dr Matthew Lewis James

31 BOVERTON BROOK  
LLANTWIT MAJOR  
VALE OF GLAMORGAN  
CF61 1YH

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 8/9/11

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A thick black horizontal bar redacting the signature of the sender.

FLAT 1, WOODSTOCK HO  
HIGH STREET  
COWBRIDGE  
CF71 7AF  
07 09 11

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date:

Dear Mr Ball,

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substantial drop in house prices, devastating the whole local economy, should shale gas be found.

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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A large black rectangular redaction box covering the signature area.

[Redacted]



42 Vals Park Drive  
Leantwit Major  
CF61 1YE

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 8.9.11.

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

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The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,

A large, solid black rectangular redaction covering the signature area of the letter.

'Millbrook'  
2 Heol-y-Nant  
Llandow  
Cowbridge  
Vale of Glamorgan  
CF71 7PE

7<sup>th</sup> September 2011

Mr. Steve Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry  
CF63 4RT

Dear Mr. Ball

Planning Application No. 2011/00812/FUL  
Unit 1, Llandow Industrial Estate, Llandow  
Coastal Oil and Gas Limited  
Drill and Test the Insitu Lower Limestone  
And Associated Strata for the Presence of Gas

With reference to the above re-submitted Planning Application, I have been advised that the proposed drilling process to be undertaken by the applicant will produce substantial noise and will continue on a 24 hour non-stop basis for a period of approximately 6 weeks on full time working basis on the above site.

On this basis, I must make the strongest objection to this application, as it will have a very detrimental effect on the environment in general and on the living and working conditions of residents and businesses within the Llandow Industrial Estate and in the locality, which includes a number of isolated rural residences within earshot of the proposed drilling.

Based on the Noise Impact Assessment 2594/ENS1 carried out on 20<sup>th</sup> May, 2011, the predicted noise level from the drilling rig will be 74 dB(A) at one metre, and this would be completely unacceptable for those companies whose offices and premises are in the immediate vicinity of the drilling operation during normal daytime working hours.

I trust the Planning Officers will take account of this objection when considering the Planning Application

Yours sincerely



J. Evans (Mr)

Copy to: Mr. Jeff W James, VoG Barry, CF63 4RU  
Alun Cairns, MP 29 High Street Barry CF62 7EB

Delfan  
Factory Road  
Llanblethian  
CF71 7JD  
08/09/2011

Mr Steve Ball  
Principal Planning Officer  
Planning & Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball

Exploratory Gas Bore Hole Application – objection.  
Planning ref: 2011/00812/FUL

I have viewed with great concern recent environmental disasters in various parts of the world caused by the activities of companies who are regarded as having vast expertise and experience in extraction processes (BP in the Caribbean for instance). Consequently I am concerned that a process, as controversial and potentially hazardous as “Fracking”, should be given consent at a local level without a national debate. It seems to me that to make a well informed decision requires expertise and resources beyond those of any local planning authority.

**Recent issues in the Blackpool area strongly suggest that a moratorium on the process of “Fracking” is the wisest course of action. This approach has been taken by governments and planning authorities in other parts of the world. Why should we act in haste and possibly repent at leisure?**

**I object to the resubmitted planning application for an exploratory borehole primarily because of the above concerns. This is not an application for merely exploration purposes, but is an integral part of the commercial hydraulic fracturing process. Consequently, I feel that this application should not be decided upon until a national debate, based upon sound research, has been undertaken concerning the long term safety and viability of the process. It is my view that we all have a duty to subsequent generations to avoid creating new environmental disasters.**

I have concerns for the well documented, far-reaching consequences of this type of extraction technique for communities, agriculture and businesses across the Vale and beyond.

Yours sincerely,



ALAN P. JARVIS

[REDACTED]

St Quentin's House  
Llanblethlan  
Cowbridge  
Vale of Glamorgan  
CF71 7JB U.K.

Mr S.G. Ball  
Principal Planning Officer  
Vale of Glamorgan Council  
Dock Office  
BARRY CF63 4RT

8<sup>th</sup> September 2011

Dear Mr Ball,

**Planning Application No 2011/00812/FUL  
Exploratory Drilling Llandow Industrial Estate**

I would be grateful if you would register my objection to the above application for the following reasons.

- 1 The high noise levels created by this type of drilling are well documented.

The noise created by the adjoining Go-Kart Track can already be heard in my home. However, this is limited to week-end afternoons with fine weather.

The drilling noise would be much louder and would be for 24 hours per day, seven days a week and would last for several weeks. It is considered that this would be detrimental to the health of those residing in this house.

- 2 ~~Should oil and/or gas deposits~~ be proven, it could lead to activities that would be inappropriate and unacceptable in such a populated area.

Yours sincerely,

[REDACTED]

George Haynes

Mr G. O. Jones  
"Nirvana"  
Castle Precinct, Llandough  
Cowbridge CF71 7LX  
Wales, United Kingdom

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 24th Sept 2011

Dear Mr Ball,

**Exploratory Gas Bore Hole Application – Objection, Planning Ref: 2011/00812/FUL**

I want to express my grave concerns regarding the resubmitted application for an exploratory bore hole at the site in Llandow to search for shale gas.

I am alarmed and very concerned by this planning application. Whilst I appreciate that this is an application for merely exploration purposes, the concerns I have are for the potentially far-reaching consequences of this research activity for communities across the Vale.

This is one of the most precious parts of South Wales and it is hard to understand how any company would consider such an activity in such a sensitive area. It is close to the Heritage Coast and is next to areas of Grade 1 agricultural land, very little of which exists across Wales.

My main concerns regarding this exploratory application are:

- The noise levels during the proposed 7 weeks. Not only will the drilling machinery itself create a substantial amount of noise 24 hours a day, but the associated noise levels of movement of the metal rods + equipment associated with the drilling process will be significant and in addition to the data provided.
- The impact on local businesses is already an issue, with several businesses located on the industrial estate noting that they will move premises and away from the area should this application be approved. The Llandow business park is an essential employer for the Western Vale and allowing the exploration for gas would undermine existing businesses and reinforce low status, prejudicing their future role and potential for inward investment in and for the Vale.
- The impact on residents in the area will be significant too – from constant noise levels, increased traffic in the area, and concern over potential environmental and health concerns regarding escaping gases and water contamination. A big threat too of course is the

substantial drop in house prices, devastating the whole local economy, should shale gas be found.

- Water pollution is a real concern, with several private bore holes in the immediate vicinity – though Welsh Water do not record this in their response to the planning application.
- The presence of gas drilling + mining would also be incompatible with and undermine the investment made by the Vale in securing the National Eisteddfod at Llandow, as a shop window for general economic and tourism investments in the Vale of Glamorgan.
- There will be a detrimental impact on the already anticipated boom in tourism in the Vale of Glamorgan if this exploratory gas mining application is approved, as many investors and visitors alike will turn away from a potential gas mining area.

The use of the land at Llandow for local businesses and recreational purposes is important to the Llandow, Llantwit Major and Cowbridge communities, to the Vale Authority's strategy and to Welsh Government policies. I trust that you will take my strong objections into account.

Yours sincerely,



Mr G. O. Jones  
"Nirvana"  
Castle Precinct, Llandough  
Cowbridge CF71 7LX  
Wales, United Kingdom

137

Mr G. O. Jones  
"Nirvana"  
Castle Precinct, Llandough  
Cowbridge CF71 7LX  
Wales, United Kingdom

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 8/9/11

Dear Mr Ball,

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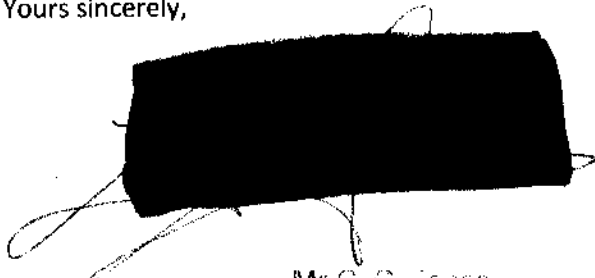


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Yours sincerely,

A large black rectangular redaction box covers the signature area. The box is slightly irregular in shape and has some faint lines extending from its corners, suggesting it was drawn over the original signature.

Mr G. O. Jones  
"Nirvana"  
Castle Precinct, Llandough  
Cowbridge CF71 7LX  
Wales, United Kingdom

CHRIS MORRIS  
6th, Middlefield Drive  
COPBROOK  
VALE OF GLAMORGAN  
CF71 7SR

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 08/09/11

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Yours sincerely,



*Mrs L. D. Panton-Bell*



47 BUNNETT ROAD  
LLANTWIT MAJOR  
CF61 1TH

Steve Ball  
Principal Planning Officer  
Planning and Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Date: 8/9/2011

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Yours sincerely,

A black rectangular redaction box covering the signature of the sender.

JOHN WORDSWORTH

# C.J. + H.L. EDWARDS

Ty Maen Farm,  
Colwinston,  
Nr. Cowbridge,  
South Glam,  
CF71 7NL

5<sup>th</sup> September 2011.

Your ref : P/DC/SJB/2011/00812/FUL

Dear Sir,

Re : Town and Country Planning Act, 1990. Application No. 2011/00812/FUL

Unit 1 Llandow Industrial Estate, Llandow. Drilling and testing for gas.

We own the land immediately adjacent to the proposed application including Units 21D, C, G, J and H, and we strongly object to this horrendous invasion on the environment and health amongst other objections numbered below :-

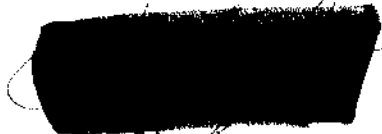
1. No measurement or consideration has been taken with respect to vibration. We know some tenants use and store sensitive electronic optical and laser equipment, sensitive to all manner of vibration. Drilling for 5 weeks, 24 hours a day would have serious consequences to some tenants' trading through damage to equipment and inability to operate the said equipment. This would surely result in businesses closing down, having no income, resulting in consequential loss of jobs.
2. No consideration has been given to noise within the immediate area especially when Units 21D and 21C are immediately adjacent to the proposed site. These businesses are, to a high degree, administrative or telephone based. Noise would have a direct bearing on their trading.
3. The Vale of Glamorgan Council has limited this site to light industrial/warehousing and any new change would substantially alter the nature of this site in the future. I find it shocking that anyone could even contemplate what is proposed.

France has imposed a complete ban on all fracking. Why would they do this? The reason seems obvious, common sense tells you it is not safe. It is enormous risk with short term gain and I do not believe for one moment it will bring jobs or revive the economy. Where is the incentive for green energy that this country should be investing in and which we are being taxed for.

Cont/.....

I strongly oppose this application and wish to register my objection.

Yours faithfully,

A large black rectangular redaction box covers the signature area of the letter.

Clive Edwards.

For the attention of Mr. Stephen J. Ball,  
c/o Head of Planning and Transportation,  
The Vale of Glamorgan Council,  
Barry Docks,  
Barry,  
CF63 4RT

# C.J. + H.L. EDWARDS

Ty Maen Farm,  
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Heather Edwards.

For the attention of Mr. Stephen J. Ball,  
c/o Head of Planning and Transportation,  
The Vale of Glamorgan Council,  
Barry Docks,  
Barry,  
CF63 4RT

12  
Crack Hill House  
Brocastle Farm  
Bridgend  
Vale of Glamorgan  
CF35 5AU  
3<sup>rd</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
Docks Offices  
Barry CF63 4RT

Dear Mr Ball,

**Exploratory gas bore hole application – objection, planning ref: 2011/00812/FUL**

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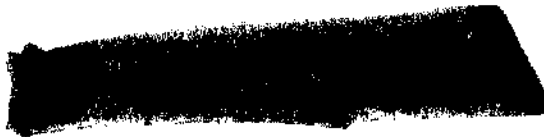
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Yours sincerely,

A large, dark, rectangular redaction mark covering the signature area of the letter.

Lorraine Jones

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

151

Erw Las  
Colwinston  
Nr. Cowbridge  
Vale of Glamorgan  
CF71 7NL  
6<sup>th</sup> September 2011

Steve Ball  
Principal Planning Officer  
Planning + Transportation Services  
Vale of Glamorgan Council  
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Barry CF63 4RT

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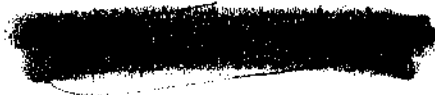
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Joshua Edwards

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Ty Maen Farm  
Colwinston  
Nr. Cowbridge  
Vale of Glamorgan  
CF71 7NL  
6<sup>th</sup> September 2011

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Yours sincerely,

A large, dark, irregular redacted area covering the signature of Elizabeth Edwards.

Elizabeth Edwards

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan

Erw Las  
Colwinston  
Nr. Cowbridge  
Vale of Glamorgan  
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Laura Hetherington

cc. Cllr Jeff James, Cabinet Member for Planning + Transportation, VOG Council  
John Griffiths, Minister for Environment & Sustainable Environment, Welsh Government  
Alun Cairns MP for the Vale of Glamorgan