

## HID Regulatory Inspector's Contact Report

	<b>Case No: N/A</b>
<b>Service Order No: N/A</b>	
<b>HID REGULATORY INSPECTOR'S CONTACT REPORT</b>	
<b>Name of Company:</b> Cuadrilla Resources	
<b>Address:</b> Lord Cullen House, Fraser Place, Aberdeen, AB25 3UB	
<b>Date of Visit(s):</b> 3 <sup>rd</sup> May 2017	
<b>Name and Address of Inspector:</b> , Lord Cullen House, Aberdeen. AB25 3UB.	Unit/Division: 6 / ED
<b>Other Staff Attending:</b> , Lord Cullen House, Aberdeen. AB25 3UB. , Lord Cullen House, Aberdeen. AB25 3UB.	Unit/Division: 6 / ED Unit/Division: 6 / ED
<b>Via Teleconference:</b> , Lord Cullen House, Aberdeen. AB25 3UB	Unit/Division: 6 / ED
<b>Persons Seen:</b>	<b>Position:</b> Cuadrilla Resources, Cuadrilla Resources, Cuadrilla Resources, Cuadrilla Resources, Cuadrilla Resources,
<b>Reason for Contact:</b> Follow up meeting with Cuadrilla to discuss arrangement for installation of sub-surface safety valve (SSSV) in completion design and arrangements for installation of a blast wall between the two production wellheads/x-mas trees within the cellar.  Cuadrilla provided update to operational status highlighting;  Conductor auger/drilling to commence June 1 <sup>st</sup> and is expected to be completed early July. Production rig to be mobilised to Preston New Road site for July 10 <sup>th</sup> with commissioning being conducted until the 21 <sup>st</sup> July. Drilling order described with PNR -1/1Z drilled to the 13-3/8" casing, cemented and the well suspended. Rig skids to PNR -2 to drill and suspend at the 13-3/8" casing prior to skidding back to PNR -1/1Z to continue to drill down to the 8-1/2" pilot hole. Pilot hole will include logging and coring operations. 8-1/2" section will be	

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plugged back and an 8-1/2" sidetrack will be drilled prior to setting a 7" liner and a 6" hole drilled horizontally through the Bowland Shale. The rig will skid back to PNR -2 to complete drilling the 12-1/4", 8-1/2" and 6" sections, excluding the pilot hole, as per PNR -1/1Z.

Site layout described with accommodation being located on site within the perimeter fencing. Site construction and cellar design described highlighting installation plan for wellhead and x-mas trees to be installed below ground level.

Cuadrilla described wellhead and x-mas tree design including, specifically designed 5-1/2" casing mandrel hanger including control line penetration, extended neck tubing hanger arrangement and mono-block production tree with integral tubing bonnet.

Discussion held regarding completion technique, installation of SSSV and protection of annulus valves from dropped objects. Discussion held around conducting a risk assessment regarding the arrangements for wellhead and x/mas tree protection.

### **Action Required by Company:**

Cuadrilla to provide details regarding the blast wall arrangement/ specification.

Cuadrilla to conduct risk assessment for the consideration of installing an M-SAS (Master Surface Annulus Safety Valve) system, or similar protection device within the wellhead VR profile and consider installation of storm choke arrangement within completion design if applicable.

### **Action by HSE:**

Submit clarifications to Cuadrilla based on inspection of Drilling Notifications for Preston New Road 1/1Z and Preston New Road 2. Review clarification reply and respond as required.

Arrange site inspection during drilling of PNR -1/1Z.

<b>Authors:</b>	<b>Band 3</b>	<b>Date of Report: 04/05/2017</b>
<b>Copies to:</b>		