

Claire Grant  
OGA Consents and Authorisations Manager  
AB1  
Second Floor  
48 Huntly Street  
Aberdeen  
AB10 1SH

11<sup>th</sup> June 2018

Dear Claire,

**PETROLEUM PRODUCTION LICENCE(S) P1314 AND P101: COLUMBUS FIELD DEVELOPMENT PLAN**

I refer to the above-mentioned Petroleum Production Licence(s) and the potential field development mentioned above.

Subject to the necessary management and partner approvals, Serica Energy (UK) Limited would intend to apply for Consent for the development of the said field, and this letter of application to provide preliminary notification of the proposals is made on behalf of:

- Serica Energy (UK) Limited: 50% equity (operator)
- Endeavour Energy UK Limited: 25% equity
- EOG Resources United Kingdom Limited: 25% equity

The primary nature of this project will be for the development of the Columbus field and it is proposed this project will comprise of the following:

- A single subsea production well (hereafter referred to as 'CDev-1') connected by a spool piece to the proposed Arran to Shearwater subsea pipeline via a tie-in structure. A chemical injection umbilical will run alongside the Arran to Shearwater pipeline from the Shell operated Shearwater platform to the Columbus wellhead.
- Fluids from the Columbus field will be processed at the Shearwater C platform, located approximately 43 km to the south west of Columbus and exported to shore via existing infrastructure. Produced water will be discharged at the Shearwater platform via existing facilities.
- The proposed Columbus Development is located in the central North Sea, in UKCS Block 23/16f, approximately 230 km east of Aberdeen on the eastern Scottish coastline. The nearest international boundary to the Development is the UK/Norwegian median line, which lies approximately 8 km to the east-north-east of Columbus. The water depth at the CDev-1 well location is 85.6 m below lowest astronomical tide.
- The proposed Arran to Shearwater pipeline forms part of the Arran Development, the licence operator for which is Dana Petroleum (E&P) Limited (hereafter referred to as 'Dana'). Dana is currently seeking consent for the Arran Development from the OGA. A small section of the proposed Arran to Shearwater pipeline route will need to be deviated to

accommodate the Columbus Development. Sanction of the Columbus Field Development is therefore subject to sanction of the Arran Development. The proposed Arran pipeline will tie back to the existing Scoter riser on the Shearwater A platform.

- o Shearwater C is a Shell-operated normally manned Process, Utilities and Quarters platform that is bridge linked to Shearwater A, a Wellhead Platform. The platform is located in UKCS Block 22/30, approximately 225 km east of the Scottish coastline and 26 km from the UK/Norway median line. Shearwater is already host to three subsea satellite tie-backs; Scoter, Merganser and Starling with the Fram field also due to come online shortly.
- o Subject to the necessary consents and approvals, Serica intends to drill the CDev-1 well sometime between Q4 2020 and Q2 2021. It is estimated that it will take 79 days to drill and complete the well. The well will then be suspended until installation of subsea infrastructure and hook-up. It is currently anticipated that pipeline and umbilical installation will occur in Q2 to Q3 2020 and that the installation of Columbus subsea infrastructure, as well as hook-up and commissioning activities will occur in Q2 2021. First production is expected to be within the first half of 2021.
- o The Columbus subsea infrastructure will have a design life of minimum 15 years and the economic field life is expected to be up to 14 years.

Serica Energy (UK) Limited can also confirm that an Environmental Statement (“ES”) for the proposed development will be submitted to the Environmental Management Team at the Offshore Petroleum Regulator for Environment and Decommissioning (“OPRED”) in their capacity as environmental regulator acting on behalf of the Secretary of State for Business, Energy and Industrial Strategy.

Yours faithfully,



Clara Altobell  
VP Technical

Cc: Environmental Management Team, OPRED (by e-mail to [bst@beis.gov.uk](mailto:bst@beis.gov.uk))