



Spirit Energy Resources Limited

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Field Development Plan (FDP) Letter of Application

20th November 2018

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

Dear Madam,

PETROLEUM PRODUCTION LICENCE(S) P1724, P1727 and P2128: PEGASUS WEST FIELD DEVELOPMENT PLAN

I refer to the above-mentioned Petroleum Production Licences and the potential field development mentioned above.

Subject to the necessary management and partner approvals, Spirit Energy Resources Limited intend to apply for Consent for the development of the said field, and this letter of application is to provide preliminary notification of the proposal on behalf of:

- Spirit Energy Resources Limited (55%)
- Third Energy Offshore Limited (45%)

The primary nature of this project will be for the development and production of the Pegasus West gas well (43/13b-7).

The selected field development concept is a single well subsea tieback to the existing Neptune Energy-operated Cygnus gas development in Block 44/12 of the United Kingdom Continental Shelf (UKCS). It is envisaged that the subsea infrastructure will also enable tie-in of future economic volumes from the Greater Pegasus Structure.

The Pegasus West well, located in Block 43/13b, in 29m of water is approximately 107km north-east of Flamborough Head on the North Yorkshire coast. The Cygnus platform is located approximately 35km from the UK/NL jurisdictional median line at Cygnus.

The well, which is currently suspended, is planned to be re-completed for production in Q2/Q3 2021. The subsea construction work is expected to be executed in 2021 over a 9 month period with first gas targeted for Q4 2021.



The development's primary elements are:

- For ease of future tie-in, double block and bleed facilities will be installed at the Pegasus West well.
- A 57km 10" nominal bore uninsulated production pipeline, starting in Block 43/13b and traversing across Blocks 43/14, 43/15, 44/11 terminating in Block 44/12. The pipeline will be routed to an existing riser at the Cygnus platform.
- A subsea isolation valve structure located within the Cygnus 500m zone to provide a means of isolation of the facility from the gas inventory in the pipeline.
- A 57km umbilical from the Cygnus facility to the Pegasus West well providing hydraulic power for valve activation, electrical power, signal capability and chemical injection cores. The umbilical will be installed through an existing J-tube at Cygnus.
- Installation of a reception module on Cygnus to process the Pegasus gas.

Pegasus gas and condensate will be exported via the 165km, 24" Eagles Transportation System (ETS) pipeline for processing at the Perenco-operated terminal at Bacton in Norfolk.

Spirit Energy can confirm that an Environmental Statement ("ES") for the potential 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. The following reference number has been given for this application D/4227/2018.

Yours faithfully,

A handwritten signature in blue ink, appearing to read 'D Warrick'.

Daniel Warrick
Senior Project Manager

Cc:

- Environmental Management Team, OPRED (by e-mail to bst@beis.gov.uk)
- Geoff Greenhowe, Facilities Engineer for SNS and EIS, Oil & Gas Authority (Geoffrey.Greenhowe@ogauthority.co.uk)