

**THE OFFSHORE OIL AND GAS EXPLORATION, PRODUCTION, UNLOADING  
AND STORAGE (ENVIRONMENTAL IMPACT ASSESSMENT) REGULATIONS  
2020**

**Project Summary – Regulation 11(2)**

**Ithaca Energy (UK) Ltd  
Abigail Field Development  
Environmental Statement dated 2<sup>nd</sup> July 2021  
D/4263/2021  
14<sup>th</sup> July 2021**

**Proposed Location of the Project**

The primary nature of this project will be for the phased subsea development of the Forties and Andrew reservoirs; Phase 1 to be a single well, and subsea tie-back to the Ithaca operated FPF-1 facility, Phase 2 (contingent on field performance and only viable in the high production case), is the drilling and tie-in of a second production well and a summary of the project is provided below.

**Location**

- The project location is (quadrant/block number) 29/10b
- Water depth across proposed development location is 89-92m
- Distance to nearest UK coastline (Peterhead, Scotland), is 233km, and
- Distance to nearest international median line (UK/Norway) is 36km

**Proposed Activities**

- The proposal relates to a new field development, developed in two phases, and the field has not been subject to any previous development
- The main elements of Phase 1 of the project comprise:
  - One production well, a re-entry and completion of appraisal well 29/10-8, using a semi-submersible drilling rig
  - Installation of new piled manifold, a new ~12km production pipeline, gas lift pipeline and service umbilical all trenched and buried in a single trench, and associated tie-in spools and jumpers, and protective material (mattresses, grout bags and rock)
  - The Abigail development will tie-back to existing host infrastructure, the Ithaca operated FPF-1 installation, located in quad/block 30/06. This currently processes hydrocarbons from the Stella, Harrier and Vorlich Fields.
  - Installation of new, gravity based subsea isolation valve (SSIV) at the FPF-1
  - Production from Abigail will comingle with production from the Stella and Harrier fields at the Stella Main Drill Centre manifold, before being

processed through existing production facilities on the FPF-1. A portion of Abigail gas will be attributed for fuel gas use with the remainder of the gas, and the oil, going to export through exiting export routes (CATS (Central Area Transmission System) pipeline system for gas and Norpipe system for oil)

- The elements of Phase 2 of the project comprise:
  - Drilling of new production well using either a semi-submersible or jack-up drilling rig
  - Small subsea campaign comprising tie-in of second well with spools/jumpers and associated protective material (mattress and grout bag)

### **Proposed Timeline for Activities**

- Estimated duration of offshore activities is 120-130 days for Phase 1 (drilling and pipeline system installation) and 105 days for Phase 2 (drilling and well tie-in)
- Estimated field life is 8 years