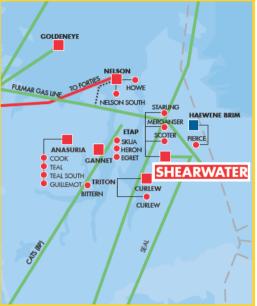


# **SHEARWATER**





## **SHEARWATER**

Shearwater is a normally manned integrated Process, Utilities and Quarters (PUQ) platform which is bridge linked to a Wellhead (WH) Platform. The Shearwater field is a high pressure, high temperature (HP/HT) reservoir.

| KEY FACTS               |  |
|-------------------------|--|
| Block                   | 22/30b   |
| Sector                  | Central North Sea  |
| Approx distance to land | 225km (140 miles) East of Aberdeen   |
| Water Depth             | 295ft (90m)  |
| Hydrocarbons Produced   | Condensate and Gas   |
| Export Method           | Gas piped via 34" SEAL pipeline to Bacton via a 463km (288 miles) line. Oil via 24" GAEL pipeline into the Forties pipeline then onto Cruden Bay and Grangemouth |
| Operated / Non-Operated | Operated   |

#### INFRASTRUCTURE INFORMATION

| Entry Specification:   | Well fluids with <3.2mol% CO2 and <50ppmv H2S  |
|--|--|
| Exit Specification:  | Gas: Wobbe <51.2MJ/m3, CO2 <2mol%,<br>H2S <3ppmv; Liq: TVP 8.62@15.6°C, BS&W<br><2%vol   |
| Outline details of Primary separation processing facilities: | Single train separation with 1st stage @46barg ultimately and 2nd stage @ 16barg.        |
| Outline details of gas treatment facilities                  | Gas sweetening process, dehydration process and then NGL recovery system prior to export |

### HIGH LEVEL CAPACITY INFORMATION

The basic capacity information is portrayed by colour coded 'traffic lights' that reflect thresholds of availability over the next 5 years

Available Capacities >25% 5% to 25% Unknown

Capacity 2017 2018 2019 2020 2021

Shearwater Platform Firm processing capacity available

Oil export capacity - up to 90Kbbls/d - See Comment Below Depending on mode of operations (JT valve vs TE).

Gas export capacity - 410mmscfd (reduces to a max 320 mmscf/d in LP Compressor operation)

Gas lift capacity - N/A

Produced water handling capacity - 5000bbls/d (X1)

Dehydration capacity - 410mmscfd - See Comment Below

Rate is gas export equivalent

H2S removal capacity - 410mmscfd - See Comment Below

Rate is gas export equivalent

Water injection capacity - N/A

#### **CONTACT INFORMATION**

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