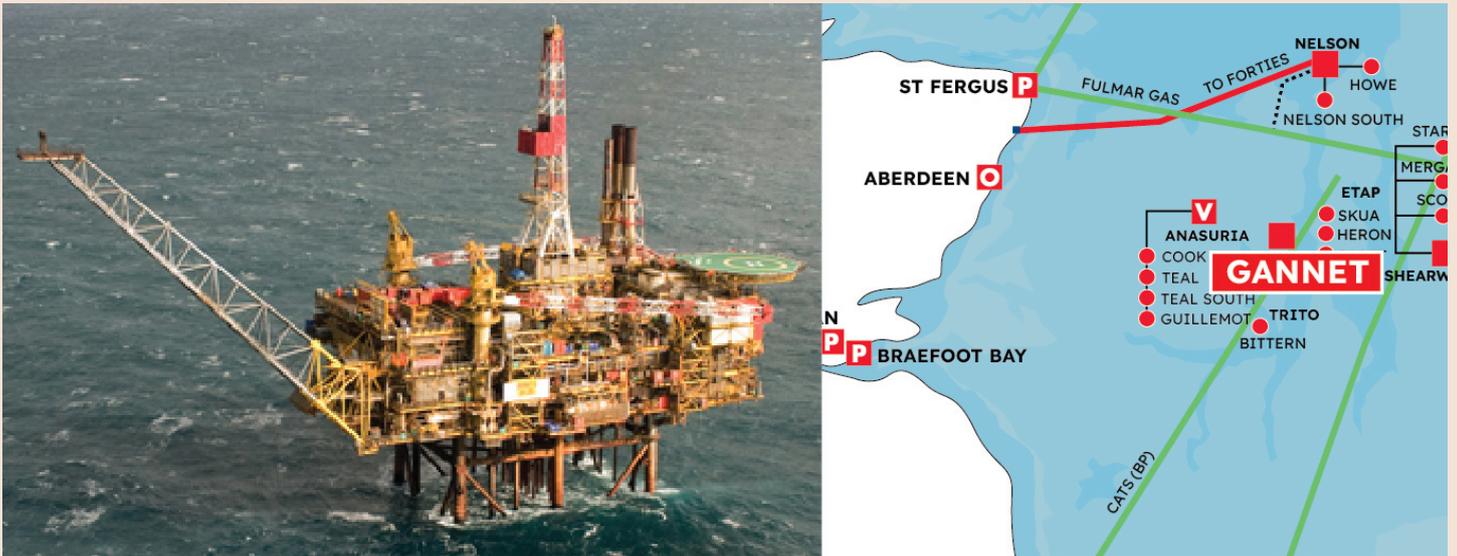


GANNET COMPLEX

INSTALLATION

The Gannet Complex comprises of a fixed drilling and production platform for Gannet A, B, C, D, F and G fields. Gannet Alpha installation is a fixed offshore drilling, production and accommodation platform which processes oil and gas from the Gannet A, B, C, D, F and G fields. The Gannet B, C, D, F and G fields are exploited via subsea wellheads tied back to the Gannet A installation by oil and gas production, gas lift and gas injection pipelines.



KEY FACTS

- **Block:** 22/21, 21/25, 21/30, 21/25b, 21/30b, 21/30c, 21/30d, 22/21a, 22/21b, 22/26a
- **Sector:** Central North Sea
- **Approx distance to land:** 180km (112 miles)
East of Aberdeen
- **Water Depth:** 312ft (95m)
- **Hydrocarbons Produced:** Oil and Gas
- **Export Method Oil:** Oil is exported via the Norpipe Export System to Teesside. Gas is exported via Fulmar gas pipeline to St Fergus
- **Operated / Non-Operated:** Operated

INFRASTRUCTURE INFORMATION

- **Entry Specification:** Sweet Crude Oil and associated gas
- **Exit Specification:** Refer to Fulmar Gas line Entry Specification
- **Outline details of Primary separation processing facilities:** Two HP and three LP 1st stage separators, multiple stages of gas compression, three further stages of oil/water/gas separation, produced water handling with overboard discharge
- **Outline details of gas treatment facilities:** Multiple stages of gas compression, glycol contactor for gas dehydration and export coolers

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% ● <5% ○ Unknown

Gannet firm processing capacity available	Ullage as % of system capacity					Comment
	2026	2027	2028	2029	2030	
Oil export capacity - 62,900 bbls/d	●	●	●	●	●	HP Oil Export Pumps P-1030/31 limit
Gas compression capacity - 90 mmscf/d	●	●	●	●	●	Capacity constraint based on rewheeling of K2030/2040 in 2021 to reduce electrical load and improve emissions
Gas export capacity - 90 mmscf/d	●	●	●	●	●	Maximum compressor capacity following new export compressor bundle installation in 2021 will be ca. 80MMscf/d with discharge pressure of 165barg.
Gas lift capacity - 90 mmscf/d	●	●	●	●	●	Actual Ullage based on 'Gas compression capacity' - 'Gas export capacity' usage
Produced water handling capacity - 80,000 bbls/d	●	●	●	●	●	Based on the capacity of IGFU at 11,900 m ³ /d and produced water flash drum capacity of 5000m ³ /d
Dehydration capacity - 130 mmscf/d	●	●	●	●	●	Based on V-2060 TEG contactor mistmat capacity
H2S removal capacity - N/A	None present					
Water injection capacity - N/A	None present					

CONTACT INFORMATION

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