



FORTIES CHARLIE TECHNICAL AND AVAILABLE CAPACITY

FORTIES CHARLIE

High-level infrastructure specific information for prospective users and capacity information

INFRASTRUCTURE INFORMATION

Description	4-legged fixed steel structure. Forties Charlie processes oil from the Forties field via platform-drilled wells, plus multiphase produced fluids exported from the Forties Bravo platform. Oil plus recovered NGLs are commingled with oil from the Forties Alpha, platforms prior to pumping and export into the 36" INEOS Forties Pipeline System (FPS) to Cruden Bay.
Entry Specification	Sweet crude oil or fluids with relatively low levels of H ₂ S and CO ₂ can be accommodated.
Exit Specification	Oil export via FPS pipeline system. Refer to the FPS entry specification.
Outline of Primary separation processing facilities	Single stage of separation at circa 6 barg via 2 x parallel 3-phase separator vessels. One is currently dedicated to processing fluids from Forties Bravo, with the other utilised for fluids from platform-drilled wells. Oil export pressure boosting and commingling with NGLs recovered from the gas treatment facilities. Commingling with oil from other Forties platforms prior to pumping and export to FPS.
Outline of gas treatment facilities	Separator off gas conditioning and compression via 2 x parallel production gas compressors for NGL recovery and use as fuel/lift gas. 1 x lift gas compressor capable of pressures up to 135 barg.



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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

	YEAR					
	Capacity 100%	2021	2022	2023	2024	2025
Oil Export (mbd)	100	●	●	●	●	●
Gas Compression (mmscfd)						
Production Gas Compression	28	●	●	●	●	●
Lift Gas Compression	20	●	●	●	●	●
Gas Export (mmscfd)	N/A					
Produced Water Handling (mbd)	260	●	●	●	●	●
Water Injection (mbd)	150	●	●	●	●	●

Colour Code:

- N No ullage
- <5%
- 5% to 25%
- >25%