



## FORTIES ALPHA TECHNICAL AND AVAILABLE CAPACITY

### FORTIES ALPHA

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

#### INFRASTRUCTURE INFORMATION

Description	<p>4-legged fixed steel structure. Forties Alpha processes oil from the Forties, Maule and Bacchus fields, plus multiphase produced fluids exported from the Forties Echo platform. Oil plus recovered NGLs are transported to Forties Charlie for booster pumping into the 36" INEOS Forties Pipeline System (FPS) to Cruden Bay.</p> <p>Satellite platform FASP bridge-linked to Forties Alpha was installed in late 2013. This enhances the platform separation and gas processing capacity.</p>
Entry Specification	Sweet crude oil or fluids with relatively low levels of H <sub>2</sub> S and CO <sub>2</sub> 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. Oil export pressure boosting and commingling with NGLs recovered from the gas treatment facilities. The satellite platform provides a further parallel separator.
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. 2 x parallel lift gas compressors 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 (mbd)	70	●	●	●	●	●
Gas Compression (mmscfd)	250	●	●	●	●	●
Produced Water (kbd)	60	●	●	●	●	●
Water Injection (mbd)	150	●	●	●	●	●

Color Code:

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