

Heather Platform

The Heather installation is designed to accept production fluids from Heather field and Broom field via subsea tieback. The production fluids are processed and separated into oil, gas and water. The processed oil is exported to the Sullom Voe Terminal via Ninian Central platform, while the gas is routed through compression trains for lift gas purpose. Produced water is separated, treated and discharged overboard and sea-water is injected into both Broom and Heather fields to optimise production. Import gas is provided via the Western Leg gas pipeline to meet the fuel gas deficiencies on the platform.

Infrastructure Information

Description:

Entry Specification:

Sweet Crude Oil

Exit Specification:

Oil- Ninian Pipeline Entry Specification

Gas- No Gas export

Outline details of Primary separation processing facilities:

Oil passes through a single train, two stage separation process. Produced water is treated via hydrocyclones and compact flotation unit (CFU). This water is then discharged overboard.

Outline details of gas treatment facilities:

Gas flows via two out of three trains in a three stage compression process. All gas passes through a TEG dehydration package and is then used for gas lift and fuel gas purposes.

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

>25% capacity available	
5-25% capacity available	
<5% capacity available	

Processing Facility	Total Capacity	2016	2017	2018	2019	2020	Comments
Gas compression capacity	60* mmscf/day						*Designed for 60mmscf/day gas with all 3 compression trains online, however constraints on dehydration system limit this to 54mmscf/day
Gas export capacity	0* mmscf/day						*Existing gas import route is an old export facility, with the capacity of 26mmscfd.
Gas lift capacity	54 mmscf/day						
Produced water handling capacity	38000* bbls/day						*CFUs designed for 50,000bbl/d but currently restricted to 38,000bbls/d
Dehydration capacity	54 mmscf/day						
H2S removal capacity	0 mmscf/day						H2S is currently treated using H2S scavenger chemical injection. H2S Scavenger currently can remove 10-15mg/l in crude and up to 900ppm in gas phase.
Water injection capacity	70000 bbls/day						
Crude oil capacity	70000 bbls/day						

Contact Information

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