

## **EnQuest Producer**

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### **Location**

The EnQuest Producer is a Floating Production, Storage and Offloading facility (“FPSO”) originally called the Uisge Gorm. It is located 320 km south east of Aberdeen in Licence blocks 30/24c and 30/25c, in 80m of water.

### **EnQuest Producer Installation**

The EnQuest Producer was put on location in 2015. It processes production from the Alma and Galia fields. The equity holders in both of these fields are EnQuest (65%) and KUFPEC (35%).

The living quarters have a maximum POB of 97.

### **Installation systems**

The FPSO has an open deck process area which includes oil separation, low-pressure gas compression, produced water and seawater injection, utility systems, boiler modules and steam turbine enclosures. Storage capacity on the FPSO is 625,000bbl.

Stabilised oil is exported via tanker. Produced gas is compressed and used for fuel. Produced water is cleaned and discharged overboard to the sea.

## Infrastructure Information

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Description:	Floating production, storage and offloading facility
Arrival Conditions:	Sweet Crude Oil
Exit Specification:	Dehydrated crude (<0.5% BS&W)
Outline details of Primary separation processing facilities:	<p>There are two first stage separators that receive fluids from the two 10" flowlines. Oil flows from the separators into the second stage separator via an interstage heater. Oil from the second stage separator is routed to an electrostatic dehydrator. The crude is then cooled and pumped into the crude cargo tanks. Produced water from the first stage separators is processed through hydrocyclones, and degassed. Produced water is either discharged overboard or pumped to a slops tank for further separation before being discharged overboard. High pressure gas from the first stage separators is cooled before flowing into the HP gas knockout drum. The gas is then superheated and used in the boilers as fuel gas. Surplus gas is routed to the flare. A compressor compresses low pressure gas from the second stage separator to provide additional high pressure gas for boiler fuel.</p>
Outline details of gas treatment facilities:	<p>Gas is cooled, stripped and then superheated before introduction to the boiler as fuel. Excess gas is flared.</p>

## High Level Capacity Information

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

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

Processing Facility	Total Capacity	2019	2020	2021	2022	2023	Comments
Crude oil capacity	57,000 bbls/day						
Gas compression capacity	1.7MMscfd						
Produced water handling capacity	94,000 bbls/day						
Produced Water injection capacity	90 kBPD @ 175 barg						
Sea Water injection capacity	70 kBPD @ 175 barg						

## Contact Information

For further enquiries, please contact Adrian McBurnie, CNS Commercial Lead, at +44 1224 975254 or [adrian.mcburnie@enquest.com](mailto:adrian.mcburnie@enquest.com).

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## Updated

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