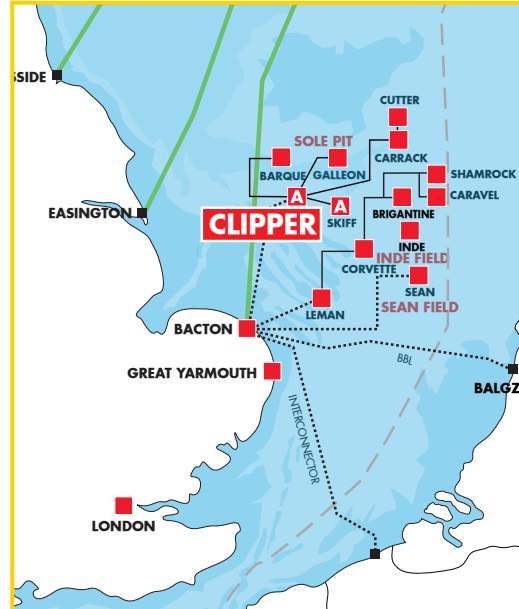




CLIPPER



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Clipper is in the Southern part of the UK sector of the North Sea in the Sole Pit field. Located 113km (70 miles) north north east of Lowestoft, 73km (46 miles) from Bacton and 66km (41 miles) from the nearest point of the Norfolk coast. It is a Normally Attended Installation (NAI) comprising five fixed bridge linked platforms

- Clipper PW Wellhead Platform
- Clipper PT Production Platform - which is manned
- Clipper PC Compression Platform
- Clipper PM Metering / Compression Platform
- Clipper PR Riser Platform

The Clipper installation produces and processes natural gas from its own wells and imports and processes gas from Barque PB & PL, Galleon PN & PG, Skiff PS, Cutter QC and Carrack QA.

KEY FACTS

Block	48/19a
Sector	Southern North Sea
Approx distance to land	109km (68 miles) North of Lowestoft
Water Depth	112ft (34m)
Hydrocarbons Produced	Gas
Export Method	Gas piped to Bacton Gas Terminal
Operated / Non-Operated	Operated

INFRASTRUCTURE INFORMATION

Entry Specification:	GSV 37-44.5MJ/sm ³ , CO ₂ Max 2 mol%, Total Sulphur <15ppm, Inerts <7%, Oxygen <0.2%, H ₂ S <3.3ppm, WI 48-51.5 MJ/Sm ³ , N ₂ <5%
Outline details of Primary separation processing facilities:	Two Stage Compression Station with Fiscal Metering. Export Pipeline to Shell Bacton Gas Plant
Outline details of gas treatment facilities:	Gas Compression

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

Description	Capacity	Ullage as % of system capacity					Comment
		2015	2016	2017	2018	2019	
		■	■	■	■	■	Interruptable 100MMscf/day capacity in Summer

Additional capacity may be available if existing production is constrained / backed out
Liquid handling constrains to be considered
Technical modifications are required to cater for additional volumes

CLIPPER & No4 Sealine

Gas compression: LP 200 MMscf/d

Export capacity: 525 MMscf/d

CONTACT INFORMATION

Shell

For further enquiries regarding the above please contact Moataz Darwish
+31 (0) 592368177 moataz.darwish@shell.com

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