



**Last Updated:**

**February 2011**

The Clyde platform is located approximately 175 miles south east of Aberdeen; the eight-leg fixed steel jacket and module support frame has facilities for drilling, production, accommodation and associated utilities. Design work on Clyde started in 1982, with installation completed in 1986 and first oil production in 1987.

The Clyde platform's processing facilities separate production from the Clyde field, and the Orion subsea tieback, into oil and dried natural gas. Oil and gas is then exported, via the Fulmar platform, to the Teesside and St. Fergus terminals, respectively.

### OPERATIONAL INFORMATION

<b>Licence</b>	P.266	
<b>Licensees</b>	Talisman Energy (UK) Limited (Op)	95%
	First Oil Expro Limited	5%
<b>Platform Type</b>	Eight-leg fixed steel jacket and module support frame	
<b>Platform Weight</b>	Topsides:	17,900 Tonnes
	Jacket:	10,400 Tonnes
<b>Drilling</b>	Well Slots:	30
<b>Wells</b>	Production:	23
	Injection:	5
<b>Nearest Installations</b>	Janice:	6 km
	Fulmar:	11 km
	Auk:	13 km



**CAPACITY PROJECTION**

The platform process system is nominally designed for the following quantities. However, peak flow rates may exceed these values based on analysis of the production profiles and the actual equipment capacities at that time:

Description	Unit	Max. Cap.	Projected Ullage (% of maximum capacity)					
			2011	2012	2013	2014	2015	2016
1 <sup>st</sup> Stage Separator	BPD	114,000	●	●	●	●	●	●
2 <sup>nd</sup> Stage Separator	BPD	114,000	●	●	●	●	●	●
Orion Separator	BPD	17,400	●	●	●	●	●	●
3 <sup>rd</sup> Stage Separator	BPD	60,000	●	●	●	●	●	●
Oil Export	BPD	60,000	●	●	●	●	●	●
Produced Water Treatment	BPD	90,000	●	●	●	●	●	●
Water Injection	BPD	80,000	●	●	●	●	●	●
LP Compressor	MMscfd	10.0	●	●	●	●	●	●
IP Compressor	MMscfd	17.2	●	●	●	●	●	●
HP Compressor	MMscfd	37.7	●	●	●	●	●	●
Gas Dehydration	MMscfd	37.7	●	●	●	●	●	●
Export/Lift Compressors	MMscfd	26.4	●	●	●	●	●	●

No dedicated H<sub>2</sub>S facilities installed

Available Capacities:	●	> 25%
	●	5% to 25%
	●	< 5%



## PIPELINES

<b>Oil Export</b>	16-inch * 11 km oil export pipeline from Clyde to Fulmar platform Oil is then routed via the Norpipe system to the Teesside Terminal
<b>Gas Export</b>	16-inch * 11 km gas export pipeline from Clyde to Fulmar platform Gas is then routed via the "SEGAL" system to the St. Fergus Terminal
<b>Clyde / Orion Interfield</b>	10 inch * 16.3 km subsea production pipeline from Orion to Clyde

## ENTRY / EXIT SPECIFICATION

<b>Crude Mixture Entry</b>	Flowing Wellhead	up to 121°C up to 140 bara
<b>Crude Oil Export</b>	TVP (True Vapour Pressure)	2.3 barg @ 38°C
	Base Sediment & Water	0.2 % vol
	Salt	250 lb/Mbbl
	H <sub>2</sub> S	10 ppm wt
	Total Sulphur	0.35 % wt
	Nickel	10 ppm wt
	Vanadium	10 ppm wt
	Viscosity	40 cP @ 3°C
	pH	> 5
	Mercury	0.15 ppb wt
<b>Gas Export</b>	Max Water Dew Point	-15°C @ 138 barg
	Water Content	42 ppm vol
	Cricondenbar	< 95 barg
	Cricondentherm	< 30°C
	Total Sulphur	50 ppm vol
	CO <sub>2</sub>	2.1 % mol
	O <sub>2</sub>	0.1 % mol
<b>Produced Water</b>		<30 ppm oil in water