



GVA 40000

Semi-submersible Production and Drilling Unit





GVA 40000

Name	Thunder Horse
Location	Gulf of Mexico 240 km (150 miles) SE of New Orleans
Water depth	1,840 m (6,040 ft)
Status	Installed 2005
Owner	BP and ExxonMobil
Design	GVA
Topside Design	Mustang Engineering
Regulatory/Class	MMS/USCG/ABS



General Description

The GVA 40 000 is a combined production, drilling and quarters semi-submersible (PDQ). The unit is designed for the Thunder Horse Field in the Gulf of Mexico.

- Largest Semi-Submersible in the World
- State of the art Drilling System with Dual Derrick

VESSEL CAPACITIES	
Oil Production:	250,000 BOPD
Gas Production:	200 MMSCFPD
Gas lift:	60 MMSCFPD
Water Injection:	300,000 BWPD
Risers:	14 SCR, 4 Flexibles
Drilling:	Double Derrick, Drill Depth 30,000 ft
Accommodation:	188 persons
Station Keeping:	16 point semi-taut chain-wire- chain system

MAIN PARTICULARS		
Length over all:	164.0 m	538.1 ft
Width over all:	126.0 m	413.4 ft
Length of pontoons:	110.0 m	360.9 ft
Height to Upper Deck:	57.5 m	188.6 ft
Topside Load:	50,500 tonnes	55,669 kips
Deck Drilling Payload:	7,000 tonnes	7,716 kips
Light Unit Weight:	78,000 tonnes	85,984 kips
Displacement:	130,000 tonnes	143,306 kips
Draught:	30.0 m	98.4 ft
Air gap in survival:	17.5 m	57.4 ft

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