

General

Rig Type:	Semi-Submersible
Rig Design:	DSS21-DPS2
Builder:	KFELS, Singapore
Year Built / Upgraded:	2008
Classification:	ABS
Flag:	Marshall Islands
MODU Code:	1989

Ratings & Dimensions

Water Depth:	10,000 ft
Drilling Depth:	40,000 ft
Length:	384 ft
Breadth:	256 ft
Depth:	62.3 ft
Draft (Operating/ Transit):	67.3 ft / 31.8 ft
Moonpool:	108.3 ft x 29.5 ft
Variable Deck Load:	22,960 kips
Hook Load:	2,000 kips on main hoist; 1,500 kips on auxiliary hoist
Setback Capacity:	2,645 kips
Racking Capacity:	6 5/8" DP 78 at 133 ft, 5" DP 90 at 133ft, 3 'A" DP 54 at 133ft 16" csg 78, 13 3/8csg 90, 9 5/8csg 114
Quarters Capacity:	180

Capacities

Fuel:	25,160 bbls
Drill Water:	12,580 bbls
Liquid Mud:	18,870 bbls
Brine Storage:	4,718 bbls
Base Oil Storage:	4,718 bbls
Bulk Storage:	48,000 cu ft
Sack Storage:	5,000 sacks



Equipment

Derrick:	NOV; 210 ft x 72 ft x 39 ft; 1,250 st main & 750 st aux
Drawworks:	Wirth / GH 6000 EG-AC; 5,600 hp main / Wirth / GH 4500 EG-AC; 4,200 hp aux
Top Drive:	NOV HPS 1000; 80,800 ft-lbs @ 130 rpm
Rotary:	NOV Model RST-605; 60-1/2 in Main, NOV Model RST-605; 60-1/2 in Aux
Iron Roughneck:	NOV Hydratong; 140,000 / 200,000 ft-lbs. m/u / b/o torque
Motion Compensator:	NOV Crown Mounted plus Active Heave
Riser Tensioner / Stroke:	(6) NOV NOV N-line tensioners 3600 kips; Wire line travel of 50ft
Riser Details:	Aker Kvaerner Subsea / Clip; 75 ft length;
BOP:	GE Hydril; 6 ram; 18-3/4 in x 15k psi
LMRP:	(2) Hydril GX 18-10, BTM FLG 18-3/4 in x 10 psi annulars
Control System:	GE Hydril MUX System
Pipe Handling:	NOV (2) HydraRacker w/ 30 kips lifting capacity
Solids Control System:	(8) MI Swaco / BEM 650 Shakers, Mi Swaco/CD-1400 Vertical Degasser
Diverter:	Hydril FS; 60 in x 2,000 psi
Tree Storage / Handling:	NOV; (1) 230T Xmas Tree Carrier, located at aft end of Moonpool, (1) 2x50T Xmas Tree overhead crane, (2) 100T Subsea tree skid
Cranes:	(1) NOV Active Heave Compensated Subsea Knuckleboom crane- 165T, (1) Favelle Favco – 60T, (1) NOV Knuckleboom pipe handling crane



<i>Mud Pumps:</i>	(4) Wirth TPK 7-1/2" x 14" / 2200 ; 2,200 HP	<i>Station Keeping:</i>	Kongsberg/ K, DP2+
<i>Engines:</i>	(8) Wärtsila 16V26 w/4,960Kw per engine, w/ rating of 4,840Kw per generator	<i>Thrusters:</i>	Wärtsila LIPS Thrusters (8) 4,000kw Thruster

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