

2011 | 229 m | DP3 | Drill Ship



Specifications

Rig Specifications

General

Rig Type:	Drillship
Rig Design:	Samsung 12000 Double Hull
Builder:	Samsung Heavy Industries
Year Built / Upgraded:	2011
Classification:	ABS Classed: A1, Drilling Unit, AMS, ACCU, DPS-3
Flag:	TBD
MODU Code:	2001

Ratings & Dimensions

Water Depth:	12,000 ft
Drilling Depth:	40,000 ft
Length:	748 ft
Breadth:	137 ft
Depth:	62 ft
Draft (Operating/ Transit):	39 ft / 28 ft
Moonpool:	84 ft x 41 ft
Variable Deck Load:	22,046 ST
Simultaneous Setback & Hook Load:	2,640 + 2,000 + 1,000 kips
Racking Capacity:	120' stands for DC's, 127.5' stands for DP and Casing
Quarters Capacity:	200

Capacities

Fuel:	38,997 bbls
Drill Water:	17,611 bbls
Liquid Mud:	3,145 bbls
Brine Storage:	6,290 bbls
Base Oil Storage:	3,145 bbls
Bulk Storage:	32,000 cu ft
Sack Storage:	10,000 sacks

Equipment

Derrick:	200 ft x 60 ft x 80 ft derrick to handle 135 ft tubular with 2 x NOV 2,000 kips compensating crown block plus AHC
Drawworks:	2 x NOV SSGD-5750, 2,000 kips single speed gear driven by 1,150 HP AC motors with 2" line
Top Drive:	2 x Hydralift HPS 1000-2E-AC-KT, 2,000 kips
Rotary:	1 x Varco BJ RST 75-1/2" hydraulic (main); 1 x Varco BJ RST 60-1/2" hydraulic (auxilliary)
Iron Roughneck:	Hydratong MPT TF-975 w/ TE-1190 (2 ea.); 147,000 ft-lbs.
Riser Tensioner / Stroke:	(8) Dual Wireline; 225 kips with 50 ft stroke
Riser Details:	NOV-Shaffer 21" OD, 90 ft joints, Class H 3 1/2 M. lbs, 10,000 ft; 54" buoyancy
BOP:	6 ram cavities: 2 x NOV-Shaffer NXT 18 3/4" 15k triple; 1 x NOV-Shaffer 18 3/4" 10k annular; GE-Vetco SHD H4 18 3/4" 15k wellhead connector
LMRP:	1 x NOV-Shaffer 18 3/4" 10k annular; GE-Vetco ExF H4 18 3/4" 15k High Angle Release LMRP connector
Control System:	NOV-Shaffer 5th Gen. Multiplex Control System suitable for 12,000 ft
Pipe Handling System:	2 x Hydra-Racker System HR-IV (for 3.1/2" to 14" tubulars), 2 x Hydratong MPT-200 (for 3.1/2" to 9.3/4" tool-joints)
Solids Control System:	NOV-Shaffer 5th Gen. Multiplex Control System suitable for 12,000 ft
Diverter:	NOV-Shaffer 21 1/4" 500 psi CSO for 75.1/2" Rotary table
Tree Storage/ Handling:	1 x BOP trolley with skid rated 470 tons; 2 x 240 ton BOP gantry crane with dual lifting hoists, 1 x X-mas tree base plate trolley rated 200 tons, 2 x X-mas tree storage cart rated 120 tons
Cranes:	4 x 85 MT electro-hydraulic knuckle-boom cranes at 18 m (59 ft) radius
Mud Pumps:	4 x NOV 14-P-220, 7,500 psi
Engines:	6 x 7,000 kW STX-MAN at 720 RPM, each driving 1 x 7,000 kW 11kV generators
Station Keeping:	Kongsberg Simrad System for DP-3 Operations
Thrusters:	6 x Rolls Royce Aquamaster fixed pitch Azimuthing in water removable thrusters