



2014 | 228 m | MODU | DP3 | Drill Ship

Vessel Specifications

Rig Specifications

General

Rig Type:	Drillship
Rig Design:	Samsung 96K
Builder:	Samsung Heavy Industries
Year Built / Upgraded:	2014
Classification:	ABS Classed: AI, Drillship, AMS, ACCU, DPS-3, EFP-AM
Flag:	TBD
MODU Code:	2009

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:	24,250 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:	46,500 bbls
Drill Water:	15,700 bbls
Liquid Mud:	12,400 bbls
Brine Storage:	19,028 bbls
Base Oil Storage:	6,535 bbls
Bulk Storage:	32,000 cu ft
Sack Storage:	10,000 sacks

Equipment

Derrick:	210 ft x 60 ft x 80 ft derrick to handle 135 ft tubular. Crown block with 9 x 72" sheaves
Drawworks:	2 x NOV Active Heave Drawwork, 2,500 kips single speed gear driven by 1,150 HP AC motors with 2 1/8" line
Top Drive:	2 x TDX-1250, 1,250 ST hoisting, 1,200 ST rotating, torque 90,740 ft. lbs
Rotary:	1 x NOV RST 755 [75-1/2"] hydraulic [main]; 1 x NOV RST 605 [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 50ft stroke
Riser Details:	NOV-Shaffer 21" OD, 90 ft Class H joints, 3 1/2 M. lbs, 10,000 ft; 54" buoyancy
BOP:	6 ram cavities: 2 x NOV-Shaffer NXT 18" 15k triple; Drillquip H4 Profile 18 3/4", 15k wellhead connector
LMRP:	2 x NOV-Shaffer 18" 10k annular; GE-Vetco ExF H4 18" 15k High Angle Release LMRP connector
Control System:	NOV-Shaffer 6th Gen. Multiplex Control System suitable for 12,000 ft
Pipe Handling System:	2 x Hydra-Racker System HR-1V (for 3.1/2" to 20" tubulars), 2 x Hydratong MPT-200 (for 3.1/2" to 9.3/4" tool-joints)
Solids Control System:	NOV-Shaffer 6th 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 540 tons; 2 x 240 ton BOP gantry crane with dual lifting hoists, 2 x X-mas tree skids rated 120 tons, 1 x multi-purpose cart rated 1,000 tons with 13m clearance for xmas trees
Cranes:	4 x 85 MT electro-hydraulic knuckle-boom cranes at 18 m (59 ft) radius; 1 x 9 MT electro-hydraulic tubular handler at 22.3 m (73 ft) radius on forward pipe deck
Mud Pumps:	4 x NOV 14-P-220, 7,500 psi
Engines:	HIMSEN engines 6 x 8,000 kW at 720 RPM, Tier 2 compliant, each driving 1 x 7,760 kW 11kV ABB generators
Station Keeping:	Kongsberg DYNPOS AUTRO System for DP-3 Operations
Thrusters:	6 x Rolls Royce Aquamaster fixed pitch Azimuthing in water removable thrusters