GENERAL SPECIFICATIONS

Shipyard Delivery Jul-2012

Classification Agency DNV 1A1 Ship Shaped Drilling Unit

DRILL (N), DYNPOS-AUTRO, DP Class 3

Design MPF 1000 6th Generation

Ultra Deepwater Drillship for Worldwide Harsh Environment

Dimensions 955.5' x 164' x 88.6'

MoonpoolDrilling $97.7' \times 32.1 \text{ ft}$ OpeningsProduction49.2 ft Ø

Water Depth 10,000 ft Max. Drilling Depth 35,000 ft

Variable Deck Load Operating: 25,000 mt

Survival: 25,000 mt Transit: 25,000 mt

Combined Draft50 ftOperating Draft42.65 ftTransit Draft37.73 ft

Max. Wave Height Normal Drilling: 16.4 ft, Max Operating & Transit: 27.9 ft

Helideck Capacity Sikorsky S-92, S-61N, AS332L2, EC-225 and EH-101 or equivalents

DRILLING EQUIPMENT

Derrick AKMH HiPro Quad, 46 ft x 52 ft base x 210 ft clear working height

Capacity2 Million lbs Static Hook Load, 986 mt setbackRacking Capacity3½ - 6½" Drill pipe-320 stands x 135 ft (43,200 ft)

9½" Drill collars—8 stands x 135 ft (1080 ft) 13¾" Casing - 49 stands x 135 ft (6,615 ft) Or 9½" Casing - 72 stands x 135 ft (9,720 ft) Or 7" Liner – 104 stands x 135 ft (14,040 ft) (Quad range II DP, Triple range III Casing)

Drawworks AKMH Wirth GH 4500-EG-AC-LV electric motor driven, 4500 hp, 1035 mt capacity with 14

lines

Rotary Table AKMH Wirth RTSS 60½", hydraulically driven, 1000 sht (907 mt) capacity, 33,927 ft/lbs max

torque

Iron Roughnecks 2 x AKMH MH1899 for tubular range 3½" DP to 9¾" DC, MBOT 125,000 ft lbs

Top Drive AKMH model DDM-1000-AC-2M, 1000 sht capacity, 87,000 lbs/ft max continuous torque, 0 -

240 max rpm, 2 x 1150 hp AC motors

CAPACITIES

Diesel Fuel Oil	39,700 bbls	Completion Fluid	10,125 bbls
Drillwater	28,280 bbls	Fresh Water	12,515 bbls
Liquid Mud	11,635 bbls	Base Oil	5,987 bbls
Bulk Storage	35,315 ft ³	Brine	5,987 bbls
Sack Storage	18,900 Sacks	Crude Oil Storage	1,002,289 bbls

OTHER PARTICULARS

Accommodation 180 in single and double cabins

Mud Pumps 4 x AKMH Wirth model TPK-7½ x 14 / 2200 CL, 2,200 HP 7,500 psi, c/w 2 x GE AC motors BOP Stack 1 x Hydril 18¾" 15,000 psi 6 x ram BOP, + 2 x Hydril 18¾" 10,000 psi annular BOP's

Diverter 1 x Drill-Quip 60½" 500 psi with 16" diverter lines & 6" fill up line

C & K Manifold API 16C 3¹/₁₆" 15,000 psi mwp Mud Manifold API 6A dual 5" NB 7,500 psi mwp Cement Manifold API 6A single 3" NB 15,000 psi mwp

Motion Compensator AKMH Crown Mounted Compensator, rated at 454 mt with a 25 ft stroke

AKMH Active Heave Compensator, rated at 25.7 mt pull and 27.4 mt push with a 25.6 ft

stroke

Control System Hydril Multiplex (MUX) Control System (11,500 ft capacity at 85% fill)

PROPULSION & POWER

DP Class DP-3 (DYNPOS-AUTRO)

DP Control System Main; Kongsberg K-Pos DP 21 Dual redundant

Back Up; Kongsberg K-Pos DP 11

Main Engines 8 x Wartsila 16V32 diesel engines c/w 8 x Alconza NIR-112.105 B-8QLW 7,200 kW / 9000 kVA

@ 750 rpm main generators (11 KV, 50 Hz, 472 A rated current)

Emergency Power All main generators are classed as emergency generators and the electrical distribution is a 4

split system

Thrusters 8 x 5,500 kW Wartsila FS3500-671/NU Azimuth c/w fixed pitch propellers (≈ 93.8 mt thrust

each)

RISER SYSTEMS

Riser 21" OD Drill-Quip riser w/ 2 x 4½" ID 15k psi Choke and Kill lines, 1 x 3¾" ID 5k psi booster

line, 1 x 2½" ID 5k psi hydraulic line

Riser Tensioning 8 x AKMH wire line tensioners, 3,200,000 lbs total capacity with 50 ft stroke

Riser Length 10,000 ft + buoyancy (75 ft joints)

HANDLING SYSTEMS

Cranes 4 x Hydramarine HMC 4240 LKO knuckle boom pedestal mounted cranes, 85 mt max load at

19 m radius, 34 mt at 39 m radius (static), 80 mt max load at 19 m and 26 mt at 40 m (dynamic, Hs = 1), 17 mt max load at 48 m radius (static) and 11 mt (dynamic, Hs = 1)

1 x Hydramarine HMC 2806 LKO pipe deck mounted knuckle boom crane, 10 mt max load at 6.5 to 15 m, 15 mt max load at 15 to 25 m, 10 mt max load at 25 to 35 m and 9 mt at 35 to

37.85 m (static and dynamic)

Tubular Handling 1 X AKMH Bridge crane system, c/w lower guiding arm, 15 mt capacity

1 x AKMH Standbuilding arm, 6.4 mt capacity, for 15 ft to 45 ft tubulars

1 x AKMH drill floor manipulator arm

1 x AKMH 40 mt capacity combined DP, casing and riser catwalk suitable for handling 83 ft

riser joints c/w integrated monkey tail

The port fwd and stb fwd cranes are each supplied with a Hydramarine 27 mt capacity Riser

Handling Yoke for max riser length of 26.4 m (86.6 ft)

The pipe deck crane is supplied with a Hydramarine 5 mt capacity Pipe Grip Yoke (10 mt SWL

in the centre located lifting lugs)

BOP Handling 1 x AKMH 500 mt capacity BOP trolley, 2 x AKMH 250 mt capacity BOP cranes

Xmas Tree Handling Utilises the BOP handling system

LMRP Handling Utilises the BOP handling system

LIFESAVING SYSTEMS

Lifeboats 4 x Norsafe AS GES 50 90 man capacity free fall type (200% of PoB)

Rescue Boat 1 x Mako 655 10 man capacity fast rescue craft (man overboard (MOB) boat)

Life rafts To class requirements
Lifejackets To class requirements

Lifebuoys In accordance with IMO MODU & SOLAS