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Additional information please contact:

Borr Drilling Limited
E. Pearman Building, 2nd Floor
9 Par-la-Ville Road,
Hamilton HM11, Bermuda

marketing@borrdrilling.com - www.borrdrilling.com

High Specification Jackup

General Description

Design / Generation..... PPL Pacific Class 400
Constructing Shipyard..... PPL Shipyard PTE Ltd. , Singapore
Year Entered Service / Significant Upgrades..... 2011
Classification..... ABS,A1, Self-Elevating Drilling Unit
Flag..... Vanuatu
Overall Dimensions..... 236.5 ft long x 224.4 ft wide x 27.9 ft deep
Legs..... 3 x 532 ft. long Triangular
Drafts 19.50 ft at load line
Accommodation.....150 persons
Displacement..... 43,848 kips operating
Variable Deck..... 10,191 kips operating / 6,041 kips transit
Transit Speed..... up to 5 knots, @ 150 st bollard pull
Operating Water Depth..... 400 ft. designed / 400 ft. outfitted
Maximum Drilling Depth..... 30,000 ft.

Drilling Equipment

Derrick Loadmaster Derrick 170 ft. high, with 35 ft. x 35 ft. base.
Hookload Capacity 1,500,000 lbs. gross nominal capacity.
Cantilever 75 ft. aft of transom / 15 ft. port & 15 ft. stbd
Drawworks NOV ADS-10T. Max hook load 750 st with 14 lines. (3) GEB-22E electric motors suitable for 1-5/8" drill line.
Rotary Table National Oilwell D-495 49-1/2 inch with a rated capacity of 800 st and a continuous torque rating of 33,190ft-lbs.
Top Drive NOV TDS-8SA Hoisting cap: 750 st, AC motor: 1150 hp, max torque 65,500 ft/lbs, max MU/BO 100,000 ft/lbs, speed 270 rpm, (2) IBOP 3.82" – 15k Psi. Soft Torque System.
Tubular Handling (1) NOV ST120 Iron Roughneck. 4" to 9-1/2" tubulars. Make up torque 100,000 ft/lbs., Break-out torque 120,000 ft/lbs. Spinning speed 80 RPM (with 5 "OD) spinning torque 3000 ft/lbs.
Mud Pumps (3) NOV 14-P-220 triplex pumps (9" bore and 14" stroke), each driven by 1,150 hp (GEB-22E electric motor) 7,500 psi rated.
Solids Control (5) NOV Brandt VSM 300 shale shakers.

Power & Machinery

Main Power (5) Caterpillar 3516C-HD diesel engines rated at 2,150hp at 1200rpm each with Kato generator rated to 1,720kW.
Emergency Power (1) Caterpillar 3508B DITA diesel engine rated at 1,298hp @ 1,800rpm with Leroy Somer generator rated to 720kW.

Storage Capacities

Fuel Oil.....4,114 bbls.
Liquid Mud.....4,175 bbls.
Base Oil 1,273 bbls.
Brine 1,271bbls.
Drill Water.....21,761 bbls.
Potable Water3,543 bbls.
Bulk Material.....(mud + cement) 11,652 cu.ft.
Sack Storage..... 4,725 sacks

BOP & Well Control Equipment

BOP Rams (2) Doubles 13-5/8" 10k psi BOP
BOP Annular (1) 13-5/8" 5,000 psi annular preventer.
BOP Handling (2) J D Neuhaus EH-75 BOP main hoists rated 75mt each.
Diverter Vetco KFDJ 500 49-1/2" diverter rated to 500 psi with (1) 16" flow line, (2) 12" overboard lines

Mooring Equipment

Mooring Winches (4) Mentrade electric winches rated at 31 mt capacity, 118 mt brake holding capacity.
Anchor Lines 3000ft of 1 1/2" galvanized wire rope.
Anchors (4) Flipper Delta anchors, 13,220 lbs each.

Cranes

Cranes (2) Baker Marine BMC-2250 cranes, 50.7mt capacity with 120 ft booms
(1) Baker Marine BMC-900E crane, 22.9mt capacity with a 100 ft boom (aft crane)

Special Features & Other Information

CTU. TSC 225 st and 350mm of stroke.
RPD System Yes
Helideck Rated for Sikorsky S61 and S-92 helicopters. Cap 437
Personnel handling Palfinger crane in cantilever

Offline Systems

Work Offline (WO) (1) NOV ST80 iron roughneck 4-1/2" – 8-1/2" OD.
WO Act. Crane (1) Forum 10 st capacity OAC for offline pipe handling.
Pipe Handling (1) Loadmaster / Offset racking platform capacities:
Up to 238 stands (Driller Side) + 176 stands (Offline Racking Board) 5-7/8" DP.
8 stands (Driller Side) + 16 stands (Offline Racking Board) each of 8" and 9-1/2" DC.
110 stands (Offline Racking Board based on average 44ft length) each of 7" and 9-5/8" Casing.
310 stands (Driller Side) + 220 stands (Off Driller side) 3-1/2" Tubing.



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Borr Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

