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High Specification Jackup

General Description

Design / Generation.....PPL Pacific Class 400
Constructing Shipyard..... PPL Shipyard PTE Ltd., Singapore
Year Entered Service / Significant Upgrades2018
Classification ABS-A1, Self-Elevating Drilling Unit
Flag Vanuatu
Overall Dimensions236.5 ft. Long x 224.4 ft. Wide x 27.9 ft deep
Legs(3) 533 ft. long, Triangular
Drafts 19.50 ft at load line
Accommodation 150 persons
Displacement 43,840 kips
Variable Deck 7,498 kips operating / 5,000 kips transit (spud cans full)
Transit Speed..... up to 5 knots, @ 150st bollard pull
Operating Water Depth.....400 ft. designed / 400 ft. outfitted
Maximum Drilling Depth..... 30,000ft

Drilling Equipment

Derrick NOV Derrick 160ft. high, with 35ft. x 35ft. base
Hookload Capacity 1,500,000lbs gross nominal capacity
Cantilever/ Drill floor 75 ft / 15 ft Port & 15 ft Stbd
Drawworks NOV ADS-10T driven by (3) Baylor electric motors. Rated to 750st with 14 lines of 1-5/8" drill line
Rotary Table National Oilwell D-495 49-1/2" with a rated capacity of 750st
Top Drive NOV TDS-8SA Hoisting cap: 750 s-ton, AC motor: 1150 hp, intermittent torque: 95,000 ft-lbs., maximum drilling torque: 62,250 ft- lbs., maximum speed 270 rpm, (2) IBOP 3 1/6" – 15k Psi
Tubular Handling (1) NOV ST120 Iron Roughneck. 3 1/2" to 10" tubulars. Make up torque 100000 ft/lbs., Break-out torque 120000 ft/lbs. Spinning speed 80 RPM (with 5 "OD) spinning torque 3000 ft/lbs.
Mud Pumps (3) NOV 14-P-220 triplex pumps (9 inch bore and 14 inch stroke), each driven by 1,150 hp (NOV Baylor AC motor) 7,500 psi rated
HP Mud System Rated for 7,500psi
Solids Control (5) NOV Brandt VSM 300 shale shakers. Mud cleaner installed over one shale shaker.

Power & Machinery

Main Power (5) Caterpillar 3516C-HD diesel engines rated at 2,150hp at 1200rpm each with Kato generator rated to 2,150KVA
Emergency Power (1) Caterpillar 3508B DITA diesel engine rated at 1,428hp at 1,800rpm with Leroy Somer generator rated to 1020KVA

Storage Capacities

Fuel Oil 4,111 bbls
Liquid Mud 4,175 bbls
Base Oil 1,274 bbls
Brine 1,292 bbls
Drill Water 21,748 bbls
Potable Water 3,543 bbls
Bulk Material (mud + cement) 11,653 cu-ft
Sack Storage..... 5,000 sacks

BOP & Well Control Equipment

BOP Rams (2) Cansco RX double rams 13-5/8" 10k psi BOP
BOP Annular (1) Cansco AS 13-5/8" 5,000psi annular preventer
BOP Handling (4) J D Neuhaus EH-75 BOP main hoists, rated 75mt each
Diverter Vetco KFDJ 500, 49-1/2" diverter rated to 500psi with (2) 16" flow line, (2) 12" overboard, (1) 6" deluge and (1) 3" fill line

Mooring Equipment

Mooring Winches (4) Mentrade electric winches rated at 31.75 st capacity 118st brake holding
Anchor Lines 3000ft x 1-1/2" galvanized wire rope
Anchors (4) Flipper Delta anchor

Cranes

Cranes (3) Baker Marine cranes, 50mt capacity. 2 Cranes with 118ft boom, 1 crane with 108ft boom

Special Features & Other Information

CTU Primary - TSC 225mt Vertical Load and 26mt Lateral Load - hydraulic driven @ 4.66 m and 10.66 m from AFT transom
Secondary – Claxton 100 T tensioner system 220mt tension capacity. 2 lift points, 48" stroke
RPD System Yes
Helideck Rated for Sikorsky S-61 and S-92 helicopters. CAP 437
Offline Systems:
Iron Roughneck (1) NOV-ST100 Iron Roughneck. 3 1/2" to 9-3/4" tubulars
Pipe Handling NOV Dresco racking platform capacities: Up to 238 stands (Driller Side) + 176 stands (Offline Racking Board) 5-7/8" DP.4 stands 9-1/2" DC + 8 stands 8" DC.155 stands 7" casing + 22 stands 9-5/8" casing.
OA Crane OAC (Offline Activity Crane) Forum 10mt derrick mounted for offline pipe handling



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.

