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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 Upgrades 2018
Classification ABS,A1, Self-Elevating Drilling Unit
Flag Panama
Overall Dimensions236.5 ft.long x 224.4 ft.wide x 27.9 ft deep
Legs.....(3) 532 ft. long, Triangular
Drafts..... 19.50 ft at load line
Accommodation.....150 persons
Displacement.....43,854 kips
Variable Deck 7,495 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 Loadmaster Derrick 160 ft. high, with 35 ft. x 35 ft. base
Hookload Capacity 1,500,000lbs gross nominal capacity
Cantilever/ Drill floor 75 ft / 15 ft Port & 15ft Stbd
Drawworks Cameron Ultrahoist 750-3000(FA30) Max hook load 750st with 14 lines. 2 x GE AC motors suitable for 1-5/8" drill line
Rotary Table Cameron 49-1/2" table opening, hydraulic drive, rated 750st
Top Drive Cameron FD35, 750st static/dynamic load rating 1150hp AC motor GE. Max speed 274rpm, Max continuous torque 66,000 ft.-lbs. Max MU/BO torque 115,000ft.-lbs, (2) IBOP 3 1/6" – 15k
Tubular Handling Diverter (1) Cameron JiM 10 T-P, 3-1/2" to 9-3/4" OD drill pipe, Vetco KFDJ 500, 49-1/2" diverter rated to 500psi with (1)16" Spinning torque 3,500ft-lbs
Mud Pumps (3) Lewco W2214 triplex pumps, each driven by 1150 hp (GE AC motor) 7,500 psi rated
Solids Control (4) 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 1,603kW
Emergency Power (1) Caterpillar 3508B DITA diesel engine rated at 1,298hp at 1,800rpm with Leroy Somer generator rated to 816kW

Storage Capacities

Fuel Oil.....3,819 bbls
Liquid Mud4,175 bbls
Base Oil 1,274 bbls
Brine.....1,292 bbls
Drill Water.....21,748 bbls
Potable Water 3,557 bbls
Bulk Material(mud + cement) 11,653 cu-ft
Sack Storage5,000 sacks

BOP & Well Control Equipment

BOP Rams (2) Cansco RX-1305/1310 double rams 13-5/8" 10k psi BOP
(1) Cameron Type U double ram 21-1/4" 2k psi BOP
BOP Annular (1) Cansco AS-1305 13-5/8" 5,000psi annular preventer
(1) Axon Type 55 21-1/4" 2,000psi annular preventer
BOP Handling (2) J D Neuhaus EH-75 BOP main hoists, rated 75mt each
flow line, (2) 12" overboard

Mooring Equipment

Mooring Winches (4) Mentrade electric winches rated at 29mt capacity 90mt brake holding
Anchor Lines 3000ft x 1-1/2" galvanized wire rope
Anchors (4) Flipper Delta anchor

Cranes

Cranes (3) Favelle Favco cranes, 50mt capacity, 120ft boom length

Special Features & Other Information

CTU TSC 225mt Vertical Load and 26mt Lateral Load and 350mm of stroke
RPD System Yes
Helideck Rated for Sikorsky S-61 and S-92 helicopters. CAP 437
Offline Systems:
Iron Roughneck (1) Cameron JiM 10 T-P-L Iron Roughneck. 3-1/2" to 9-3/4" OD
OA Crane OAC (Offline Activity Crane) Forum 10st derrick mounted for offline pipe handling
Pipe Handling (1) Loadmaster / Offset racking platform capacities:
Up to 31,185ft 3-1/2" - 5-7/8" DP.
4 stands 9-1/2" DC and 8 stand 8" DC.
85 stands of 7" or 9-5/8" casing and 45 stands 13-3/8" casing
85 stands 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.

