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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..... 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
Load Line Displacement..... 43,846.11 kips
Variable Deck 7,498 kips operating / 5,000 kips transit
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 & 15ft 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 NOV D-495 49-1/2", hydraulic with a rated capacity of 1,000T
Top Drive NOV TDS-8SA 750 ton hoisting capacity, with a 1,150hp AC motor rated to 62,500ft.-lbs continuous drilling torque
Maximum speed of 270 rpm and an intermittent torque of 95,000ft.- lbs.
Tubular Handling 1 x NOV ST120 Iron Roughneck. 3 1/2" to 10" tubulars.
Make up torque 100,000 ft/lbs., Break-out torque 120,000 ft/lbs.
Mud Pumps 3 x NOV 14-P-220 triplex pumps, each driven by 1,229 hp Baylor AC motor. 7,500 psi rated
Solids Control 5 x NOV Brandt VSM 300 shale shakers. Mud cleaner installed over one shale shaker.

Power & Machinery

Main Power 5 x Caterpillar 3516C-HD diesel engines rated at 2,150hp at 1200rpm each with KATO generator rated to 2,150KVA
Emergency Power 1 x Caterpillar 3508B DITA diesel engine rated at 1,298hp at 1,800rpm with Leroy Somer generator rated to 1020KVA
Power Distribution Siemens-Simatic VFD System.

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

Mooring Equipment

Mooring Winches 4 x Mentrade electric winches rated at 31.75 MT capacity 118T brake holding capacity
Anchor Lines 3,000ft of 1-1/2" galvanized wire rope
Anchors 4 x Flipper Delta anchor 6T

Cranes

Cranes 3 x Baker Marine cranes, 50MT capacity. 2 x cranes with 118ft boom, 1 x crane with 108ft boom

Special Features & Other Information

CTU TSC 225MT Vertical Load and 26MT Lateral Load - hydraulic driven @ 4.66 m and 10.66 m from AFT transom
RPD System Yes
Helideck Rated for Sikorsky S-61 and S-92 helicopters. CAP 437

Offline Systems:

Iron Roughneck 1 x NOV-ST100 Iron Roughneck. 3 1/2" to 9-3/4" tubulars
MPC FORUM MPC (Multi-Purpose Crane) of 6,000 lbs SWL at all radii, crane boom end is adapted for mounting of a 280-kg man-basket
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.

