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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 2011
Classification..... ABS,A1, Self-Elevating Drilling Unit
Flag Vanuatu
Overall Dimensions..... 322 ft. long x 226 ft. wide x 27 ft. deep
Legs 3 x 532 ft. long, Triangular
Drafts 19.42 ft at loadline
Accommodation 150 persons
Displacement..... 44,760 kips operating
Variable Deck..... 7,645 kips operating / 5,098 kips transit
Transit Speed up to 4 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 2,000,000 lbs. gross nominal capacity.
Cantilever 75 ft. reach, forward / aft 15 ft. port / 15 ft. stbd of center.
Drawworks NOV ADS-10T driven by GE B22 electric motors Rated to 3,200 hp with a maximum pull rating with 14 lines of 1,501,000 lbs. with 1-5/8 inch 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 Varco TDS-8SA rated to 750 st and a maximum continuous drilling torque of 65,500 ft.-lbs. in low gear.
Tubular Handling NOV HT 100 rotary rig tongs and 1 x NOV ST120 Iron Roughneck.
Mud Pumps 3 x National 14-P-220 triplex pumps, each driven by 2 x GEB22D2 1,150 hp traction motors.
HP Mud System Rated for 7,500 psi
Solids Control 5 x NOV Brandt VSM 300 shaleshakers

Power & Machinery

Main Power 5 x Caterpillar diesel engines rated at 2,150 hp at 1,200 rpm each driving 1 x Kato 1,603 kW generator.
Emergency Power 1 x Caterpillar 3508B DITA diesel engine rated at 1,298 hp at 1,800 rpm and driving a Leroy Somer LSA 50M driving 1 x generator rated to 968 kW and 480 volts.

Storage Capacities

Fuel Oil..... 4,085 bbls.
Liquid Mud..... 4,150 bbls.
Base Oil 1,225 bbls.
Brine..... 1,225 bbls.
Drill Water 21,760 bbls.
Potable Water 3,520 bbls.
Bulk Material (mud + cement) 11,652 cu.ft.
Sack Storage 4,725 sacks

BOP & Well Control Equipment

BOP Rams Shaffer SLX 18-3/4 inch 15,000 psi BOP with 2 x double ram preventers.
BOP Annulars 1 x Shaffer 18-3/4 inch 10,000 psi annular preventer.
BOP Handling J D Neuhaus EH-75 BOP main hoists and Rated to 150 st.
Diverter Vetco KFDJ 500 49-1/2 inch diverter rated to 500 psi with 16 inch flow lines.
BOP Tensioner Control Flow Inc. rated at 200 mt

Mooring Equipment

Mooring Winches 4 x Mentrade electric winches rated at 80 hp and 31 mt capacity.
Anchor Lines 1-1/2 inch galvanized wire rope with a length of 3,000 ft. and 3 inch chain with a 225 ton capacity.
Anchors 4 x Flipper Delta anchors.

Cranes

Cranes 1 and 2 2 x Baker Marine BMC-2250 cranes with 120 ft booms and rated at 55 st capacity at a 24 ft radius (Port and Stbd)
Crane 3 1 x Baker Marine BMC-900E crane with a 100 ft. boom and a rated capacity of 25 st at a radius of 19 ft. (Aft)

Special Features & Other Information

Helideck Rated for Sikorsky S61 and S-92 helicopters. 72 ft. diameter.
Work Offline (WO) NOV ST80 iron roughneck for offline tubulars.
WO Act. Crane Forum 22K OAC for offline pipehandling.
Conductor tens. TSC 225 Ton and 350mm of stroke.
RPD System Yes and Single Cord Jacking system



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.

