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High Specification Jackup

General Description

Design / Generation Keppel FELS Super "B" Bigfoot Class
Constructing Shipyard Keppel FELS shipyard
Year Entered Service / Significant Upgrades 2013
Classification..... ABS, A1 Self-elevating Drilling Unit, CDS
Flag Vanuatu
Overall Dimensions..... 246ft. long x 226 ft. wide x 25 ft. deep
Legs 3 x 486 ft. long, triangle
Drafts 18 ft. load line Draft(Max)
Accommodation 150 persons
Displacement..... 15,677 st operating
Variable Deck..... 4,600 st operating / 2,750 st transit
Transit Speed erage 3.5 knots (min. 66 st bollard pull / towboat)
Operating Water Depth 350 ft. designed / 350 ft. outfitted
Maximum Drilling Depth 35,000 ft.

Drilling Equipment

Derrick Single NOV 1500 derrick, 170 ft. high with 36 ft. x 36 ft. base
Hookload Capacity 1,500,000 lbs. static hook load capacity.
Cantilever 75 ft. reach, aft of transom 15 ft. port / 15 ft.stbd.of rig centerline
Drawworks NOV SSGD 750, with 3 x Baylor AC motors rated to 1500 hp each and using 1-3/4" drilling lines.
Rotary Table NOV 49-1/2" RST-3G hydraulic rated to 1,000st.
Top Drive NOV-TDS 8SA, 750 ton capacity, with a 1,150 hp AC motor, rated to 62,500 ft.-lbs. continuous drilling torque in low gear.
Tubular Handling 2 x Hawkjaws Jnr. Integrated make-up/break-out tool for drill pipe and associated tubulars. Torque rating 60,000 ft.-lbs. tool joint range from 3-1/2 inch to 8 inch OD.
Mud Pumps 3 x NOV 14-P-220 triplex pumps, rated at 2,220 hp, each driven by 2 x Baylor AC traction motors.
HP Mud System Rated for 7,500 psi.
Solids Control 4 x Derrick shale shakers.

Power & Machinery

Main Power 5 x Caterpillar C175 diesel engines, each driving 1 x 2,250 kVA 690V AC generators
Emergency Power 1 x Caterpillar 3516B diesel engine, driving 1 x 2,250 kVA, 690V, 3 phase, 60Hz, AC generator.

Storage Capacities

Fuel Oil..... 3,900 bbls..
Liquid Mud..... 350 bbls. Active / 3,850 bbls. Reserve
Base Oil 2,000 bbls
Brine..... 2,100 bbls.
Drill Water 6,500 bbls.
Potable Water 2,000 bbls.
Bulk Material (mud + cement) 16,000 cu.ft.
Sack Storage 2,580 sacks

BOP & Well Control Equipment

BOP Rams 2 x Cameron 13-5/8 inch 10,000 psi Double "U" type preventers (1 x 4- ram stack)
BOP Annulars 1 x Hydril GX 13-5/8 inch 5,000 psi annular preventer.
BOP Handling 4 x J. D. Neuhaus BOP handling hoists, each rated to 50mt.
Diverter Cameron 49-1/2 inch diverter rated to 500 psi with 1 x 14 inch flow line.

Mooring Equipment

Mooring Winches 4 x Brohl electric winches, with a capacity for 2,500 ft of 1-1/2 inch wire rope, rated to 33.7 st pull capacity.
Anchor Lines 4 x 1-1/2 inch IWRC 6 x36 galvanized wire rope.
Anchors 4 x 5.5 st Flipper Delta anchors.

Cranes

Deck Cranes 3 x Seatrax 7220HD cranes rated to 50 st at a 50 ft radius and with a 130 ft boom.

Special Features & Other Information

Helideck Rated for Sikorsky S-92 and MI-17 helicopters.
Work Offline (WO) ability to make-up drill pipe and casing stands offline.
WO Act. Crane Forum offline activity bridge crane rated to 22,000 lbs for 3- 1/2 inch to 13-3/8 inch tubulars.
Conductor Tens 30 inch system rated at 600 kips.
RPD System Yes
Jacking 6 pinions per chord, 3 chords per leg, 1,000 kips per pinion, normal operation, allows for full preload jacking
Field Transit Capable of rig move with 660 kips of setback in the derrick (460 kips Port and 200 kips Starboard)
 Capable of rig move (infield transit) with 2,000 kips of mud



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.

