

MIST

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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
Flag Vanuatu
Overall Dimensions..... 246ft. long x 226ft. wide x 25ft. deep
Legs 3 x 486ft. long, triangle
Drafts 18ft. load line draft (Max)
Accommodation 150 persons
Displacement..... 31,353kips operating
Variable Deck..... 9,2.00kips operating / 5,500kips transit
Operating Water Depth 350ft. designed / 350ft. outfitted
Maximum Drilling Depth 35,000ft

Drilling Equipment

Derrick Single NOV 1500 Derrick; 170ft high with a 36ft. x 36ft base.
Hookload Capacity 1,500,000lbs. static hook load capacity.
Cantilever 75ft. reach, aft of transom 15ft. port / 15ft. stbd. of rig Centerline.
Drawworks NOV SSGD 750, 3 x Baylor AC motors 1500hp each using 1- 3/4" drilling line.
Rotary Table NOV 49-1/2" RST-495-3G hydraulic rated at 1,000st.
Top Drive NOV TDS-8SA 750 ton hoisting capacity, with a 1,150 hp 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 2 x Hawkjaws Jnr. (online and offline). Integrated make-up/ break-out tool for drill pipe and associated tubulars. Torque: 60,000ft/lbs. size range: 3-1/2" to 8" OD.
Mud Pumps 3 x NOV 14-P-220 2,200hp triplex pumps, each driven by 2 x Baylor AC traction motors.
HP Mud System Rated for 7,500psi.
Solids Control 4 x Derrick shale shakers Dual POOL626

Power & Machinery

Main Power 5 x Caterpillar C175 diesel engines rated at 2,250 kW, each driving 1 x AC generator (each 2,250 kVA, 690V, 3-phase,60Hz)
Emergency Power 1 x Caterpillar 3516B diesel engine rated 2,250 kW, driving 1 x AC generator (each 2,250 kVA, 690V, 3- phase, 60Hz)
Power Distribution NOV/ABB VFD system

Storage Capacities

Fuel Oil..... 3,900 bbls.
Liquid Mud..... 4,063 bbls.
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 4,140 sacks

BOP & Well Control Equipment

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

Mooring Equipment

Mooring Winches 4 x BROHL electric with a capacity of 2,500ft of 1-1/2" wire rope. 30st pull capacity, and 600Kn brake holding capacity (first layer).
Anchor Lines 4 x 1-1/2" IWRC 6 x 36 wire rope.
Anchors 4 x Delta Flipper anchors rated at 5st.

Cranes

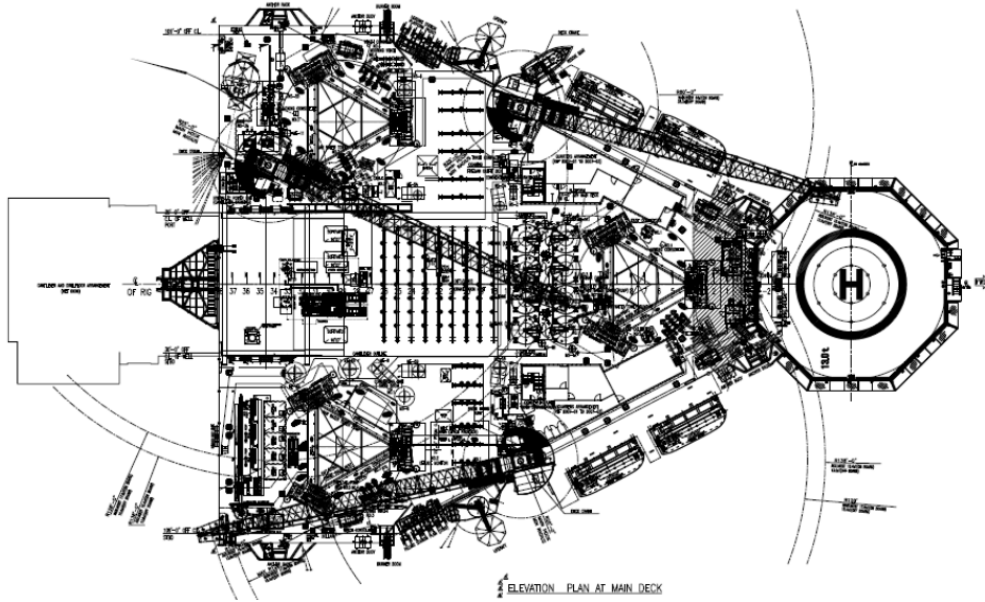
Cranes 3 x Seatrax 7220HD cranes rated at 50st at a radius of 50ft. with 130ft booms. Located port forward, port aft and starboard forward.

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 for 22,000lbs. SWL for 3-1/2" to 13-3/8" tubulars.
Cellar Deck Crane 2 x FORUM Multi-Purpose Cranes rated 15,000lbs with 30ft boom.
Conductor Tens 30" system rated to 600kips vertical with hydraulic tensioning cylinders.
RPD System Yes.
Jacking 6 x pinions per chord, 3 x chords per leg, 1,000kips per pinion, normal operation, allows for full preload jacking.
Field Transit Capable of rig move with 660kips of setback in the derrick (460kips port and 200kips starboard). Capable of rig move (infield transit) with 2,000kips 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.



MAIN PARTICULARS:

VESSEL LENGTH	=	246 FT
VESSEL WIDTH	=	226 FT
VESSEL DEPTH AT SIDE	=	25 FT
COMPLEMENT	=	150 MEN
LEG LENGTH	=	486 FT

