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Additional information please contact:

Borr Drilling Management DMCC
 Level 28 Reef Tower, Cluster O
 P.O. Box 36913
 Jumeirah Lakes Towers, Dubai United Arab Emirates
 +971-04-4487501

marketing@borrdrilling.com - www.borrdrilling.com

High Specification Jackup

General Description

Design / GenerationKeppel FELS Super B Bigfoot Class
Constructing ShipyardKeppel FELS
Year Entered Service / Significant Upgrades..... 2019
Classification.....ABS, A1 CDSelf-elevating Drilling Unit
Flag.....Vanuatu
Overall Dimensions 246ft. long x 226ft. wide x 27ft. deep
Legs..... 3 x 517ft. long, triangular truss
Drafts..... 19ft load line draft
Accommodation 150 persons
Displacement..... 43,900kips atloadline
Variable Deck..... 9,700kips elevated / 5,500 kips field transit
Operating Water Depth.....400ft
Maximum Drilling Depth..... 35,000ft

Drilling Equipment

Derrick Single NOV SSBN 1000, 170ft. high with 40ft. x 40ft. base.
Hookload Capacity 2,000,000 lbs. static hook load capacity.
Cantilever 75ft. reach, aft of transom, 15ft.port /15ft. stbd.of Centerline.
Drawworks NOV ADS-30Q, 4 x AC motors 1,500 hp each, 2.0" drilling line.
Rotary Table NOV 49-1/2" RST495-3G hydraulic and rated at 1,000st.
Top Drive NOV TDX-1000 modular, 1000st hoisting capacity, with dual AC motors, rated to 91,000ft-lbs. continuous drilling torque.
Tubular Handling 2 x NOV ST-120, serving rotary center and mouse holes. Sizes range 3-1/2" to 10"
Mud Pumps 3 x NOV 14-P-220 rated to 2,200hp triplex pumps, each driven by 2 x Baylor AC traction motors.
HP Mud System Rated for 7,500psi.
Solids Control 5 x VSM300 shale shakers.

Power & Machinery

Main Power 5 x Caterpillar C175 diesel engines rated at 1,930 kW, each driving 1 x AC generator (each 1,833 kW (2,291kVA), 3-phase, 690v 60Hz)
Emergency Power 1 x Caterpillar 3508B diesel engine rated 968 bkW, driving 1 x AC generator(1138kVA, 910eKW, 480V,3-phase,60Hz).
Power Distribution NOV/ABB VFD system.

Storage Capacities

Fuel Oil.....4,414 bbls
Liquid Mud.....5,199 bbls
Base Oil1,881 bbls
Brine.....2,180 bbls
Drill Water6,055 bbls
Potable Water3,848 bbls
Bulk Material(mud + cement) 16,000 cu.ft
Sack Storage 5,000 sacks

BOP & Well Control Equipment

BOP Rams 2 X Cameron TL 18 3/4" 15,000 psi flanged Double "U" type preventers.
BOP Annulars 1 x NOV Shaffer 18 3/4" 10,000 psi annular preventer.
BOP Handling 4 x J.D.Neuhaus BOP handling hoists, each rated to 65st.
Diverter GE Vetco diverter 49-1/2" rated at 500psi with 16" flow line.

Mooring Equipment

Mooring Winches 4 x BROHL electric with a capacity of 2,500ft of 1-3/4" wire rope. 40t pull capacity and 101t holding capacity (first layer).
Anchor Lines 4 x 1-3/4" IWRC 6 x 36 galvanized wire rope.
Anchors 4 x Delta Flipper anchors rated at 5MT.

Cranes

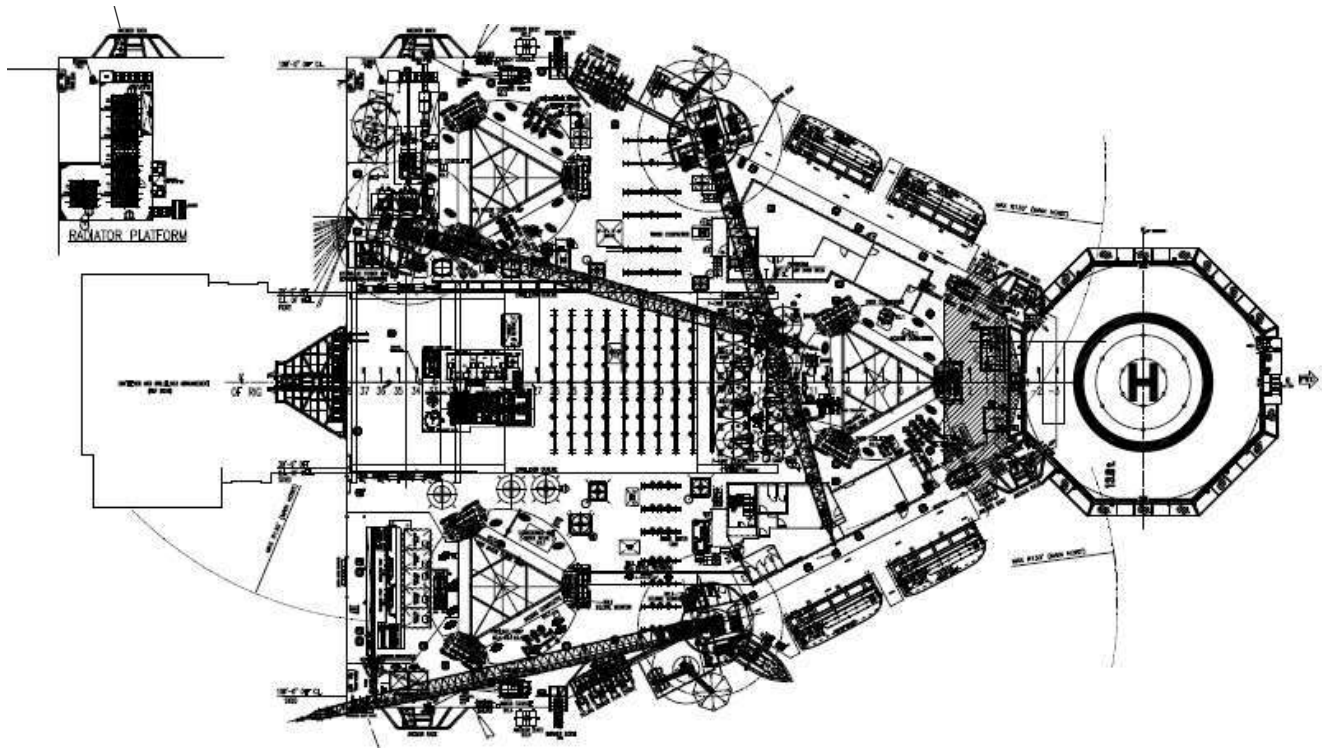
Deck Cranes 3 x Seatrax S7228, Diesel-Hydraulic cranes rated at 65.1tons @ 16.7m, 16.7tons @ 38.1m (Onboard).

Special Features & Other Information

Helideck Rated for Sikorsky S-92 and MI -17 helicopters
Work Offline (WO) Ability to make-up and break-out drill pipe and casing offline. Casing racking capacity in derrick; 3,780ft of 13-3/8", 4,860ft of 9-5/8" or 5,940ft of 7".
Cellar Deck Crane 2 x FORUM Multi-Purpose Cranes rated 7.5st with 30ft boom.
Conductor Tens 30" system rated to 500 kips & under drillfloor system 250 kips vertical hydraulic tensioning cylinders.
RPD System Yes
Jacking 6 pinions per chord, 3 x chords per leg, 1,000 kips per pinion normal operation, 1,300 kips per pinion for full preload jacking.
Field Transit Capable of rig move with 660 kips of setback in the derrick Capable of rig move (infield transit) with 2,000 bbls of mud in mud pits.



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	=	27 FT
COMPLEMENT	=	150 MEN
LEG LENGTH	=	517 FT

