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Additional information please

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High Specification Jackup

General Description

Design / Generation Keppel FELS Super B Class, Bigfoot
Constructing Shipyard..... Keppel Fels Singapore
Delivery2019
Classification ABS, A1 Self-elevating Drilling Unit
Flag Liberia
Overall Dimensions247 ft long x 230 ft wide x 27 ft deep
Legs 3x 517 ft long, triangular truss
Drafts 19 ft load line draft
Accommodation 150 persons
Load Line Displacement..... 41,625.45 kips
Variable Deck9,700 kips elevated / 5,500 kips field transit
Operating Water Depth 400 ft
Maximum Drilling Depth 35,000 ft

Drilling Equipment

Derrick NOV SSBN, 170ft clear working height, with 40 ft x 40 ft base, derrick capacity for DP up to 5-7/8" and casing up to 9-5/8"
Hookload Capacity 2,000,000lbs static hook load capacity
Cantilever 75 ft reach aft of transom, 15 ft port / 15 ft stbd
Drawworks NOV ADS-30Q, (4) 1,500 hp AC motors, 2" drilling line
Rotary Table NOV RST495-3G, 49-1/2" hydraulic, rated at 1000st
Top Drive NOV TDX-1000, 1,000T hoisting capacity, (2) 1,150 hp AC motors, rated 91,000 ft-lbs continuous drilling torque, maximum speed of 250 rpm with intermittent torque of 150,000 ft/lbs.
Tubular Handling 2 x ST-120 Roughneck. Make up torque 100,000 ft/lbs, Breakout torque 120,000 ft/lbs. Size range 3 7/8" to 10" OD
Mud Pumps 3 x NOV 14-P-220 triplex pump, 2,200 hp, each driven by 2x DM27A AC motors. Rated to 7,500 Psi
Solids Control 5 x VSM 300 shale shakers, (2) NOV chain scalping shakers

Power & Machinery

Main Power 5 x Caterpillar C175-16 engines, rated at 2,588 hp at 1200 rpm with 5 x KATO AC generator, rated at 2,250 KVA each
Emergency Power 1 x Caterpillar 3508B engine, rated 1,298 hp at 1,800 rpm with Stamford AC generator, rated 910 kW
Power Distribution NOV VFD System.

Storage Capacities

Fuel Oil4,414 bbls
Liquid Mud5,199 bbls
Base Oil1,881 bbls
Brine2,251 bbls
Drill Water23,308 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 Axon Type 50 13-5/8" 10,000 psi flanged Double type preventers
BOP Annular 1 x Axon Type 52 13-5/8" 5,000 psi annular preventer
BOP Handling 4 x Ingersoll Rand air hoists, rated 75 MT
Diverter KFDJ-500 diverter 49-1/2" rated 500 psi with 1 x 16" flow line, 2 x 16" overboard lines, 1 x 6" deluge line & 1 x 4" fill line

Mooring Equipment

Mooring Winches 4 x BROHL electric driven, 45 st pull capacity and 112 st brake holding capacity (first layer)
Anchor Lines 3,000ft 1-3/4" IWRC 6 x 36 galvanized wire rope
Anchors 4 x Delta Flipper anchors rated at 5 MT

Cranes

Deck Cranes 3 x Seatrax S7228 deck cranes rated at 65 MT at a radius of 50ft. with 120ft booms
1 x NOV Knuckle Boom pipe handling crane with lifting pad eyes 7 MT
Cellar Deck Cranes 2 x Multi-Purpose Crane 15K-VP MPC with maintenance access basket

Special Features & Other Information

Helideck Rated for Sikorsky S-61N, S-92 and MI -17 helicopters, CAP 437 – 8th Edition
Work Offline (WO) 1 x NOV ST-120 Roughneck, 2 x NOV 10 MT Utility Winch, 1 x NOV OSB Stand building System
CTU/STU Tensa RS300-60 vertical hydraulic tensioner unit, platform rated 600 kips, maximum 30" casing. Tensa PT200 secondary tensioner unit, rated 440 kips
Jacking System 6x pinions per chord, 3x chords per leg, 1000 kips per pinion. 1,300 kips per pinion for full preload jacking. RPD monitoring
Field Transit Capable of rig move with 660 kips of setback in the derrick.



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	=	247 FT
VESSEL WIDTH	=	230 FT
VESSEL DEPTH AT SIDE	=	27 FT
COMPLEMENT	=	150 PERSONS
LEG LENGTH	=	517 FT

FOR OPERATING & SURVIVAL CONDITION:

MAXIMUM WATER DEPTH	=	400 FT
MAXIMUM AIR GAP	=	110 FT
MAXIMUM LEG PENETRATION	=	110 FT ABOVE TIP OF SPUD CAN
MINIMUM LEG PENETRATION	=	6.5 FT ABOVE TIP OF SPUD CAN

