

Saga

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
Delivery2018
Classification ABS, A1 Self-elevating Drilling Unit
Flag Liberia
Overall Dimensions246ft long x 226ft wide x 27ft deep
Legs 3 x 517 ft long, triangular truss
Drafts 19 ft load line draft
Accommodation 150 persons
Load Line Displacement..... 40,523.57 kips
Variable Deck 9,700 kips operating / 5,500 kips field transit
Operating Water Depth 400 ft
Maximum Drilling Depth 35,000 ft

Drilling Equipment

Derrick NOV SSBN, 170 ft high, with 40 ft x 40 ft base
Hookload Capacity 2,000,000lbs static hook load capacity
Cantilever 75 ft reach aft of transom, 15 ft port & 15 ft
Drawworks NOV SSGD 1000, (4) 1,500 AC motors 1,500 hp each, 2" drilling line
Rotary Table NOV RST-495. 49-1/2" hydraulic rated at 1000st
Top Drive NOV TDX-1000 modular, 1,000st hoisting capacity, with dual AC motors, rated to 91,000 ft-lbs continuous drilling torque.
Tubular Handling HR111 Hydraracker, tubular range 3-1/2" to 14" catwalk machine, 14,000 lbs SWL capable of handling up to 30" casing.
Mud Pumps 3 x NOV 14-P-220 triplex pump rated 2,200 hp, each driven by 2x Baylor AC traction motors. Rated to 7,500 psi
Solids Control 5 x VSM 300 shale shakers.

Power & Machinery

Main Power 5 x Caterpillar C175 engines rated at 2,588 hp at 1200 rpm with (5) KATO Generator rated at 1,833 KW
Emergency Power 1 x Caterpillar 3516B diesel engine rated 2,549 hp at 1,800 rpm, with KATO Generator at 1,825 KW
Power Distribution NOV / ABB VFD System.

Storage Capacities

Fuel Oil5,553 bbls
Liquid Mud4,650 bbls
Base Oil2,015 bbls
Brine2,180 bbls
Drill Water7,100 bbls
Potable Water3,280 bbls
Bulk Material (mud + cement) 16,000 cu.ft
Sack Storage 5,000 sacks

BOP & Well Control Equipment

BOP Rams 2 x NOV Shaffer NXT 18-3/4" 15,000 psi flanged Double "U" type preventers
BOP Annular 1 x NOV Shaffer 18 3/4" 10,000 psi annular preventer
BOP Handling 4 x J.D Neuhaus BOP handling hoists, each rated 65 st
Diverter Drill-Quip Diverter 49-1/2" rated at 2,000 psi with 1 x 16" flowline, 2 x 16" overboard lines, 1 x 4" deluge line & 1 x 4" fill line.

Mooring Equipment

Mooring Winches 4 x BROHL electric driven with a capacity of 2,500 ft of 1-1/2" wire rope. 39.37T pull capacity and 61T brake holding capacity (first layer)
Anchor Lines 4 x 38mm x 2,500ft IWRC 6 x 36 galvanized wire rope
Anchors 4 x Delta Flipper anchors rated at 5 MT

Cranes

Deck Cranes 3 x Seatrax S7224 cranes rated at 76st with 130ft booms.

Special Features & Other Information

Helideck Rated for Sikorsky S-61N, S-92 and MI -17 helicopters. CAP 437 8th Edition.
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 15,000 lbs located underneath cantilever Port & Stbd side.
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 6 pinions per chord, 3 x chords per leg, 1000 kips per pinion. 1300 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

