

HILD

Additional information please

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High Specification Jackup

General Description

Design / GenerationKeppel FELS Super B Class
Constructing Shipyard.....Keppel Fels Singapore
Delivery Schedule.....Apr 2020
ClassificationABS, A1 Self-elevating Drilling Unit
FlagLiberia
Overall Dimensions246 ft long x 218 ft wide x 25 ft deep
Legs(3) 514 ft long, triangular truss
Drafts 17 ft load line draft
Accommodation 150 persons
Displacement 36,404 kips at load line
Variable Deck7,984 kips elevated / 4,863kips field transit
Operating Water Depth 400ft
Maximum Drilling Depth 35,000ft

Drilling Equipment

Derrick NOV single, rated 2000 kips, 170 ft clear working height, 36 ft x 36 ft base, API 4F. Racking capacity: 35000 ft of 5-7/8" drill pipe, 10 stands of 9-1/2" drill collars, 3 stands of bha

Hookload Capacity 2000 kips static hook load capacity

Cantilever 70 ft reach aft of transom, 15ft port/15ft stbd of centerline

Drawworks NOV ADS-10Q, (4) 1150 hp AC motors, 2" drilling line

Rotary Table 49-1/2" NOV RTD-495 hydraulic, rated 2000 kips

Top Drive NOV TDX-1000, 2000 kips hoisting capacity, (2) 1150 hp AC motors, rated 91,000 ft-lbs continuous drilling torque, 120,000 lbs make-up torque

Tubular Handling NOV Bridge Racker 10mT-SD-S, (1) ST-120 Roughneck

Mud Pumps (3) NOV 14-P-220 triplex pumps rated 2200 hp, each driven by (2) GE DM27 AC motors

HP Mud System Rated for 7500 psi

Solids Control (5) VSM 300 shale shakers, (1) Brandt Hydrocyclones

Power & Machinery

Main Power (5) Wartsilla W6L 26D2 diesel engines rated 1950 kW, 900 RPM, (5) AC generator rated 1875 kW, 690V, 60 Hz

Emergency Power (1) Caterpillar 3508B diesel engine rated 968 kW, (1) AC generator rated 880 kW, 480V, 60 Hz

Power Distribution NOV / ABB VFD system

Storage Capacities

Fuel Oil3,504 bbls
Liquid Mud5,628 bbls
Base Oil1,632 bbls
Brine1,015 bbls
Drill Water21,755 bbls
Potable Water2,053 bbls
Bulk Material(mud + cement) 15,758 cu-ft
Sack Storage 5,000 sacks

BOP & Well Control Equipment

BOP Rams (2) NOV Shaffer NXT 18-3/4" double, rated 15000 psi
BOP Annular (1) NOV Shaffer 18 3/4", rated 10000 psi
BOP Handling (2) Ingersoll Rand air hoists, rated 75 mT
Diverter 49-1/2" Vetco Gray fixed type diverter rated at 500psi with 16" flow lines

Mooring Equipment

Mooring Winches (4) Promoter PM-EMW-50, 700 m drum capacity, 45mm wire rope, 50 mT pull capacity (first layer), 120 mT brake holding capacity (first layer)
Anchor Lines (4) 1-3/4" IWRC 6 x 36 galvanized wire rope
Anchors (4) Delta Flipper anchors rated at 5 mT

Cranes

Deck Cranes (1) Seatrax S7224, Main Hoist 55.91 mT at 25 ft radius, Aux Hoist 13.9 mT all radius, Boom length 120 ft, port aft
(2) Seatrax S5626, Main Hoist 50.83 mT at 25 ft radius, Aux Hoist 13.2 mT all radius, Boom length 120 ft, stbd fwd

Special Features & Other Information

Helideck Rated for Sikorsky S61N & S92A helicopters MTOW 12.8mT, CAP 437 7th Edition

Work Offline (WO) Offline Standbuilding System with Guide Frame, Upper and Lower Guide Arms, Control Unit, Zone Management System. Ability to make-up and break-out drill pipe and casing offline

CTU Conductor Tensioner Platform rated 500 kips, Tensa RS230B vertical hydraulic tensioner unit rated 500 kips, maximum 30" casing

Jacking System 4 pinions per chord, 3 x chords per leg, 1000 kips per pinion. 1300 kips per pinion for preload jacking. RPD monitoring, self-positioning fixation system



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	=	218 FT
VESSEL DEPTH AT SIDE	=	25 FT
COMPLEMENT	=	150 MEN
LEG LENGTH	=	514 FT

