

HERMOD

Additional information please

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High Specification Jackup

General Description

Design / Generation	Keppel FELS B Class
Constructing Shipyard	Keppel Fels Singapore
Delivery Schedule	Jan 2020
Classification	ABS, A1 Self-elevating Drilling Unit
Flag	Liberia
Overall Dimensions	234ft long x 208ft wide x 25ft deep
Legs	(3) 517ft long, triangular truss
Drafts	16.50ft load line draft
Accommodation	150 persons
Displacement	32,680 kips at load line
Variable Deck	6,850 kips elevated
Operating Water Depth	400ft
Maximum Drilling Depth	30,000ft

Drilling Equipment

Derrick	Lee C Moore, 160ft high with 36ft x 36ft base
Hookload Capacity	1,500 kips static hook load capacity
Cantilever	70ft reach aft of transom, 15ft port / 15ft stbd of centerline
Drawworks	NOV ADS10T, (3) AC motors 1,150 hp each, 1-5/8" drilling line
Rotary Table	49-1/2" NOV RST495-3G hydraulic and rated at 1,500 kips
Top Drive	NOV TDS-8SA, load capacity 1,500 kips, (1) GEB-20AC motor 1150 hp, 62,500 ft-lbs continuous torque at 90 rpm, 95,000 ft-lbs intermittent torque, maximum 270 rpm
Tubular Handling	(1) NOV AR3200 Roughneck, (1) NOV PH 100 Pipehandler
Mud Pumps	(3) NOV 14-P-220 triplex pump, rated 2200hp, each driven by (2) 5GEB 22D AC motors
HP Mud System	Rated for 7500 psi
Solids Control	(5) VSM 300 shale shakers, (1) Brandt Hydrocyclones

Power & Machinery

Main Power	(5) Caterpillar 3516C-HD engine, rated 2150hp 1200rpm (5) Baylor generator, rated 1720kW 600V 60Hz
Emergency Power	(1) Caterpillar 3508B engine, rated 912hp 1200rpm (1) Stamford generator, rated 700kW 480V 60Hz
Power Distribution	NOV/ABB VFD system

Storage Capacities

Fuel Oil	2,726 bbls
Liquid Mud	3,624 bbls
Base Oil	661 bbls
Brine	1,939 bbls
Drill Water	19,919 bbls
Potable Water	2,053 bbls
Bulk Material	(mud + cement) 11,100 cu.ft.
Sack Storage	5,000 sacks

BOP & Well Control Equipment

BOP Rams	(2) Cameron double rams 18-3/4" 15,000 psi BOP
BOP Annular	(1) Cameron 18-3/4" 10,000psi annular preventer
BOP Handling	(2) Ingersoll-Rand air hoists rated 75mt
Diverter	Vetco Gray diverter 49-1/2" rated at 500 psi with 16" flow line

Mooring Equipment

Mooring Winches	(4) BRÖHL electric with a capacity of 2,500ft of 1-1/2" wire rope. 300kN pull capacity (first layer)
Anchor Lines	(4) 1-1/2" galvanized wire rope
Anchors	(4) Delta Flipper anchors rated at 5mT

Cranes

Deck Cranes	(1) Seatrax S7232, Main Hoist 70mT at 62ft radius, Aux Hoist 12.96mT all radius, Boom length 130ft (2) Seatrax S7232, Main Hoist 70mT at 62ft radius, Aux Hoist 12.96mT all radius, Boom length 120ft
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Special Features & Other Information

Helideck	Rated for Sikorsky S-61N & S-92 helicopters, CAP 437 7th Edition
Work Offline (WO)	(1) NOV-ST120 Iron Roughneck, OAC (Offline Activity Crane) Forum 8 sT derrick mounted for offline pipe handling
CTU	30" system Icon T230A Push Type unit hydraulic driven rated to 508 kips vertical
Jacking System	4 pinions per chord, 3 x chords per leg, 1,000 kips per pinion. 1,300 kips per pinion emergency jacking. RPD monitoring, self-positioning fixation system

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MAIN PARTICULARS:

VESSEL LENGTH	=	234 FT
VESSEL WIDTH	=	208 FT
VESSEL DEPTH AT SIDE	=	25 FT
COMPLEMENT	=	150 MEN
LEG LENGTH	=	517 FT

