

Arabia II

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High Specification Jackup

General Description

Design / Generation	Keppel FELS B Class
Constructing Shipyard	Keppel FELS shipyard
Year Entered Service / Significant Upgrades	Nov 2019
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	16.5ft. load line draft
Accommodation	150 persons
Load Line Displacement	32,680 kips
Variable Deck	6,850 kips operating
Operating Water Depth	400ft.
Maximum Drilling Depth	30,000ft

Drilling Equipment

Derrick	Lee C Moore; 160ft high with a 36ft. x 36ft base.
Hookload Capacity	1,500,000lbs. static hook load capacity.
Cantilever	70ft. aft of transom, 15ft. port / 15ft. stbd
Drawworks	NOV ADS-10T, (3) AC motors 1,150 hp each. Rated to 750 st with 14 lines of 1- 5/8" drilling line.
Rotary Table	NOV RST-495. 49 1/2" hydraulic rated at 1,500 kips.
Top Drive	NOV TDS-8SA 750 ton hoisting capacity, with a 1,150 hp AC motor rated to 62,500ft.-lbs continuous drilling torque Maximum speed of 270 rpm and an intermittent torque of 95,000ft.- lbs.
Tubular Handling	1 x NOV AR3200M Roughneck, (1) NOV PH 100 Pipehandler
Mud Pumps	3 x NOV 14-P-220 2,200hp triplex pumps, each driven by 2x 5GEB 22D AC motors. Rated to 7,500 Psi
Solids Control	5 x VSM 300 shale shakers. (1) Brandt Hydrocyclones

Power & Machinery

Main Power	5 x Caterpillar 3516C-HD diesel engines rated at 2,150 hp, at 1200 rpm, with (5) Baylor Generator rated 1,720 KW 600V 60Hz
Emergency Power	1 x Caterpillar 3508B diesel engine rated 912 hp at 1,200 rpm, with (1) Stamford Generator rated 700 KW 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 x Cameron double RAMS 13-5/8" 10,000 psi BOP
BOP Annulars	1 x Hydril 13-5/8" 5,000 psi annular preventer.
BOP Handling	2 x Ingersoll-Rand air hoists rated 75MT.
Diverter	Vetco Gray diverter 49-1/2" rated 500psi with 16" flowline.

Mooring Equipment

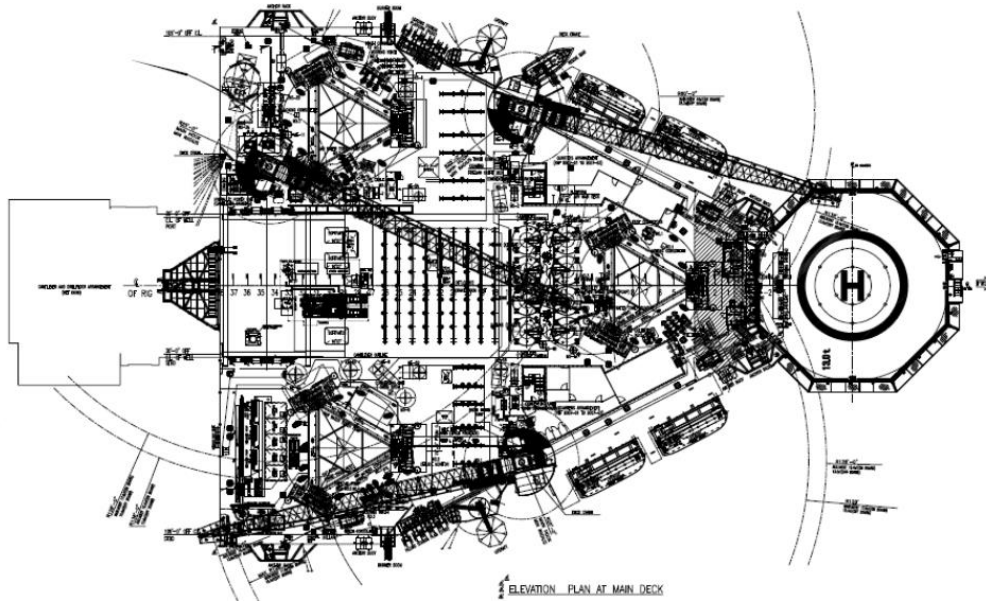
Mooring Winches	4 x BROHL electric winches rated at 300kN pull capacity (first layer).
Anchor Lines	2,500ft 1-1/2" galvanized wire rope.
Anchors	4 x Delta Flipper anchors rated at 5 MT.

Cranes

Cranes	1 x Seatrax 7232, main hoist 70MT at 62ft radius with 130ft boom length. 2 x Seatrax 7232, main hoist 70MT at 62ft radius with 120ft boom length.
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Special Features & Other Information

Helideck	Rated for Sikorsky S-92 & S-61N helicopters. CAP 437 7 th Edition.
Work Offline (WO)	1 x NOV ST120 Iron Roughneck, Forum Offline Activity Crane (OAC) 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	4x pinions per chord, 3x chords per leg, 1,000kips per pinion, normal operation. RPD monitoring, self-positioning fixation system.



MAIN PARTICULARS:

VESSEL LENGTH	= 246 FT
VESSEL WIDTH	= 226 FT
VESSEL DEPTH AT SIDE	= 25 FT
COMPLEMENT	= 150 MEN
LEG LENGTH	= 486 FT

