

SAR 202

Design: Keppel FELS Super B Class Enhanced Jackup

Built: Keppel FELS Ltd Singapore

Year Built / Last Upgrade: 2012 / 2016



Premium Jackup

General Description

Classification	ABS, A1 Self-elevating Drilling Unit.
Flag	Marshall Island.
Overall Dimensions (Hull)	246 ft. long x 218 ft. wide x 25 ft. deep.
Legs	3 x 402 ft. long, triangle.
Longitudinal Leg Centers	129 ft.
Transverse Leg Centers	142 ft.
Drafts	16 ft. load line draft.
Accommodation	114 persons.
Displacement	34,371.24 kips operating.
Variable Deck Load	9,700 kips operating / 5,000 kips. transit.
Transit Speed	Historical Average 4 knots .
Operating Water Depth	220 ft.
Maximum Drilling Depth	30,000 ft.

Drilling Equipment

Derrick	NOV 170 ft., Base 40 ft. x 40 ft.
Hook load Capacity	2,000,000 lbs. on 16 Lines static hook load capacity.
Top Drive	NOV TDX-1000, Maximum torque 91,000 ft lbs, continuous at 116 rpm.
Cantilever / Drill Floor	70 ft aft of Transom / 15 ft transverse to port or starboard.
Travelling Block	NOV model 872TB-1000-8C, Capacity 1,000 tons.
Crown Block	NOV model 872TB, Capacity 1,000 tons.
Drawworks	NOV Model ADS-10Q, Driven by (4) 1,150 hp AC Motors with 1-3/4" inch Drill Line.
Auxiliary Brake	N/A
Rotary Table	NOV Model D495, 49-1/2", Capacity 1,000 tons.
Cementing Eqpt.	Halliburton cementing unit with 15,000 lbs working pressure.
Torque Wrench	NOV ST-160-C Iron Roughneck, size 3-1/2" to 10", (2) NOV SSW40 spinners.

Mud System

Mud Pumps	(3) NOV 14-P-220, Triplex, Driven by (2) GEB22 1150 HP AC Drilling motors.
HP Mud System	Rated for 7,500 psi.
Mud Pits	5160 bbls total, (9) Mud Pits (2) Slug Pits.
Desanders & Desilters	(2) Derrick Hydro cyclone Desander with (3 cones) (2) Derrick Hydro cyclone Desilter 20x4" cones.
Degasser	(1) Miswaco CD-1400 Vacuum type.
Shale Shakers	(5) Derrick Hyper pool shakers

Storage Capacities

Fuel Oil	3,033 bbls.
Liquid Mud	5,128 bbls
Drill Water	22,283 bbls (Incl. combo tanks).
Potable Water	2,053 bbls.
Bulk Material	(Barite/Bentonite & Cement) 15,050 cu.ft.
Sack Storage	2140 sq ft/5000 sack.
Pipe Storage (Main)	2,057 sq. ft x 6 ft. high.
Pipe Storage (Cantilever)	2,337 sq. ft x 6 ft. high.

BOP & Well Control

BOP	(1) 13-5/8" 10K (2 Cameron U Type Double) with 13 5/8" 10k Hydril GX Annual & 30" 1K NOV Annular
BOP Handling	(2) Ingersoll Rand BHS200R/E10372, 100 tons each hoist.
Diverter	Vetco Grey Model KFDJ 500 psi.
Control Unit	Cameron 5k psi BOP Control Unit 88 bottles 15 gal. capacity with reservoir tank capacity 1,900 gal
Choke Manifold	4-1/16" 10K Upstream to 4-1/16" 5K Downstream.

Power & Machinery

Main Power	(6) Caterpillar 3516CHD diesel engines rated 2,180 hp 1603kw. (6) KATO Generator rated 1,720 kw.
Emergency Power	(1) Cat 3516 CHD diesel engines rated 2,180 hp 1603kw (1) KATO Generator rated 1,720 kw.

Cranes

Deck Cranes	(2) FAVELLE FAVCO, Offshore Pedestal Crane 7.5/10K Electric, 140 ft boom length . (1) FAVELLE FAVCO, Offshore Pedestal Crane 7.5/10K Electric, 120 ft boom length.
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Special Features & Other Information

Helideck	D 22.2 M, SWL 12.8 tons.
Jacking	6 pinions per chord, 3 x chords per leg, 1,300 kips per pinion for holding capacity and 1000 kips per pinion for jacking capacity.

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