



GILBERT ROWE

Design: LeTourneau Technologies 116-C Class Jack-Up

Built: Vicksburg, Mississippi

Year Built / Last Upgrade: 1981 / 2013



Standard Jackup

General Description

Classification	ABS, A1 Self-elevating Drilling Unit.
Flag	Marshall Islands.
Overall Dimensions (Hull)	243.08 ft. long x 243.08 ft. wide x 26 ft. deep.
Legs	3 x 410.38 ft. long, triangle.
Longitudinal Leg Centers	129 ft.
Transverse Leg Centers	142 ft.
Drafts	16 ft. load line draft.
Accommodation	120 persons.
Displacement	23,027 kips operating.
Variable Deck Load	6,281 kips operating / 2981 kips. transit.
Transit Speed	average 3 knots (min.300 kips combined bollard pull).
Operating Water Depth	300 ft.
Maximum Drilling Depth	25,000 ft.

Drilling Equipment

Derrick	Lee C. Moore 30 ft. x 30 ft. Base. 160 ft.
Hook load Capacity	1,250,000 lbs. on 12 Lines static hook load capacity.
Top Drive	National PS2 650, 1130 hp, Maximum continuous torque 47,860 ft lbs., continuous at 160 rpm.
Cantilever / Drill Floor	45 ft aft of Transom / 12 ft transverse to port or starboard.
Travelling Block	National Oilwell, Model 660 H 500 Capacity, 500 Ton.
Crown Block	National 760 FA Capacity, 583 Ton.
Drawworks	National 1625-DE, Driven by (2) 2,500 hp AC Motors with 1.5-inch Drill Line.
Auxiliary Brake	NOV Baylor Elmago 7838.
Rotary Table	National D 375,37.5-inch, Capacity 650 Ton.
Cementing Eqpt.	Halliburton 3-40-8 cementing unit. Pressure rating 15,000 lbs working pressure.
Torque Wrench	NOV TW-61

Mud System

Mud Pumps	(3) National Oilwell 12-P-160, Triplex, power rating 800 hp (2) GE 752'sGE 752 Shunt wound motors.
HP Mud System	Rated for 5,000 psi.
Mud Pits	2,201 bbls total, (4) Mud Pits (1) Slug Pits, Shaker Pits 280 bbls.
Desanders & Desilters	(1) Derrick 1-HI-G with 3 10" cones. Desilter with 20 4" cones.
Degasser	(1) Derrick Vacu Flo 1200 gpm.
Mud Processing Pumps	(3) Mission Magnum Pumps 100 hp
Shale Shakers	(3) Derrick Super 'G'.

Storage Capacities

Fuel Oil	2,277 bbls.
Liquid Mud	2,201 bbls.
Base Oil	7,96 bbls.
Drill Water	11,696 bbls (incl. combo tanks).
Potable Water	1,078 bbls.
Bulk Material	(mud + cement) 10,880 cu ft.
Sack Storage	1,500 sq ft.
Maximum Drilling Payload	6,280,960 lbs.
Pipe Storage (Main)	2,040 sq. ft x 7 ft. high.
Pipe Storage (Cantilever)	2,400 sq. ft x 7 ft. high.

BOP & Well Control

BOP Rams	(1) Cameron Type "U" single 13-5/8" 5K, (1) Cameron Type "U" Double 13-5/8 5K Type "U" w/Blind Shears w/Tandem Booster w/4-1/16" 5K side outlets.
BOP Annular	(1) 13-5/8" Hydril GK 5K, 30" Hydril.
BOP Handling	(2) JD Neuhaus, Winches Model 37.5 Ton each hoist.
Diverter	27-1/2" x 37". Regan KFDJ 2000 psi,
Control Unit	3K psi BOP Control Unit CAD 11 gal. bottles with reservoir tank capacity 600 gal.
Choke Manifold	(28) MTQ 3-1/8" S), Manual gate valve Type (FLS) PSL 2, PR 1, M/C: EE-0.5 and T/C U, API 6A (2) MTQ 2-1/16" Manual gate valve Type (FLS) PSL 2, PR 1, M/C: EE-0.5 and T/C U, API 6A (2) WOM Chokes, adjustable drilling 3 -1/8" X 5K F.E. 1-3/4" (max Orifice) (2) HCR chokes NOV/EEC E-S 3-1/16" 10K

Power & Machinery

Main Power	(6) Caterpillar D-399PC diesel engines rated at 1,281 hp. (6) Kato Generator rated at 1030 kW.
Emergency Power	(1) Caterpillar D-399 diesel engines rated at 1,281 hp. (1) Kato Generator rated at 800 kW.

Cranes

Deck Cranes	(4) LeTourneau PCM-120 Pedestal Cranes. SWL 50 tons
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Special Features & Other Information

Helideck	D 22.2 M, SWL 9.3 t.
Jacking	4 pinions per chord, 4 x chords per leg, 600 kips per pinion for holding capacity and 375 kips per pinion for jacking capacity

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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 ARO Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

