



# 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's GE 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

### 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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Classified as Company General Data

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.

