



BOB PALMER

Design: LeTourneau Technologies Super Gorilla XL Class
 Built: Vicksburg, Mississippi
 Year Built / Last Upgrade: 2003 / 2016



High Specification Jackup

General Description

Classification.....	ABS, A1 Self-elevating Drilling Unit.
Flag	Marshall Islands.
Overall Dimensions (Hull).....	306 ft. long x 300 ft. wide x 36 ft. deep.
Legs	3 x 645.5 ft. long, triangle.
Gear Unit Height	51 ft.
Longitudinal Leg Centers.....	189 ft.
Transverse Leg Centers.....	218 ft.
Drafts	23 ft. load line draft.
Accommodation	118 persons.
Displacement.....	66,856.9 kips operating.
Variable Deck.....	11,438.92 kips operating / 7,688.92 kips transit.
Transit Speed	average 3 knots with rated combined 21,000 HP (min. 450 kips combined bollard pull).
Operating Water Depth	500 ft.
Maximum Drilling Depth	35,000 ft.

Drilling Equipment

Derrick	Woolslayer 15263-D 170 ft. base, 40 ft. X 40 ft.
Hook load Capacity	2,500,000 lbs. on 16 Lines static hook load capacity.
Top Drive	National PS-2 750A rated 1,500 hp AC motor, output torque 78,605 ft lbs continuous at 100 rpm.
Canntilever / Drill Floor	75 ft aft of Transom / 20 ft transverse to port or starboard.
Travelling Block	Cameron LTI 1250 Tons.
Crown Block	Woolslayer, Capacity 1,250 tons.
Drawworks	Lewco W-4500, Driven by (3) 1,500 hp Motors with 2 - inch Drill Line.
Auxiliary Brake	NOV Baylor 15050.
Rotary Table	Cameron L495, 49-1/2" inch, Capacity 1250 Ton, Driven by (1) GE752 high torque Motor.
Cementing Eqpt.	Halliburton HCS Advantage Skid. Working Pressure rating 15,000 psi with 2 triplex pumps.
Torque Wrench	Varco ST-120 Torque Wrench, size 3-1/2" to 10" & Spinning Wrench size 4" to 10".

Mud System

Mud Pumps	(3) Letourneau Ellis William W-3000, Triplex. (2) Letourneau DC Motors, power rating 1500 hp.
HP Mud System	Rated for 7,500 psi.
Mud Pits	8,027.5 bbls total - (4) Mud Pits (1) Slug Pits (1) Reserve Mud Tank.
Desanders & Desilters	(1) Derrick DSV-10-3 w/ 3x10" poly cones, (2) Derrick D-RND-CMS-04-20 w/ 20x4" poly cones.
Degasser	(1) Derrick Vacu Flo 1200 gpm.
Shale Shakers	(5) Derrick Hyper pool HP - 704-4-4 Panel.

Storage Capacities

Fuel Oil	4,688.6 bbls.
Liquid Mud	8,027.5 bbls.
Drill Water	27,095 bbls (incl. combo tanks).
Potable Water	1,940.40 bbls.
Bulk Material	(Barite/Bentonite + Cement) 22,440 cu.ft.
Sack Storage	2,307 sq. ft.
Pipe Storage (Main)	5,500 sq. ft. x 7ft. high.
Pipe Storage (Cantilever)	3,500 sq. ft. x 7ft. high.

BOP & Well Control

BOP	(1) Cameron-18-3/4" 15K (2ea Double) (1) 26-3/4" 3K & 30" 1K Annular
BOP Handling	(2) EMCE ATSI-M125/4 Pneumatic Chain Hoist 108.86 Ton each hoist.
Diverter	ABB Vetco Gray, Model KFDJ 500 psi, 49-1/2" max. bore.
Control Unit	3K psi BOP Control Unit (80) 15 gal. bottles with reservoir tank capacity 1,500 gal.
Choke Manifold	3-1/16" 15K Upstream to 4-1/16" 10K Downstream.

Power & Machinery

Main Power	(6) Caterpillar 3516BHD V16, diesel engines rated 2,150 hp (6) KATO A26397000 Generator rated at 1,604 kw.
Emergency Power	(1) Caterpillar 3516BHD V16 diesel engine rated 2,150 hp (1) KATO A26397000 Generator rated 1,604 kw.

Cranes

Deck Cranes	(4) Letourneau PCM-350SS Pedestal Cranes, SWL 75 tons. (1) Letourneau PCM-120SS Pedestal Cranes, SWL 50 tons
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Special Features & Other Information

Helideck	D 25.3 M, SWL 12.8 tons.
Jacking	8 pinions per chord, 3 x chords per leg, 1800 kips per pinion for holding capacity and 925 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.

