



# BESS BRANTS

Design: LeTourneau Technologies Super 116E-PB Class Jackup  
 Built: Consorsio Rio Paraguacu Sao Roque, Brazil  
 Year Built / Last Upgrade: 2012 / 2019



## Premium Jackup

### General Description

<b>Classification</b> .....	ABS, A1 Self-elevating Drilling Unit.
<b>Flag</b> .....	Marshall Islands.
<b>Overall Dimensions (Hull)</b> .....	305.27 ft. long x 206 ft. wide x 26 ft. deep.
<b>Legs</b> .....	3 x 477.47 ft. long, Square.
<b>Longitudinal Leg Centers</b> .....	129 ft.
<b>Transverse Leg Centers</b> .....	142 ft.
<b>Drafts</b> .....	18.35 ft. load line draft.
<b>Accommodation</b> .....	110 persons.
<b>Displacement</b> .....	25,362.39 kips operating.
<b>Variable Deck Load</b> .....	6,457 kips operating / 4,508 kips. transit.
<b>Transit Speed</b> .....	Average 3 knots (min.300 kips combined bollard pull).
<b>Operating Water Depth</b> .....	350 ft.
<b>Maximum Drilling Depth</b> .....	30,000 ft.

### Drilling Equipment

<b>Derrick</b>	Loadmaster 35 ft. x 35 ft. Base, 170 ft.
<b>Hook load Capacity</b>	1,500,000 lbs. on 14 Lines static hook load capacity.
<b>Top Drive</b>	Letourneau DDTD-750-V2 750 tones, 1575 hp AC Motor, Output torque 72,000 ft lbs.
<b>Cantilever / Drill Floor</b>	70 ft aft of Transom.
<b>Travelling Block</b>	Letourneau TB-750, Capacity 750 tons.
<b>Crown Block</b>	Loadmaster C150016x14-11NC, Capacity 1,000 tons.
<b>Drawworks</b>	Letourneau LDW-1500K, Driven by (3) 1,500 hp AC Motors with 1-5/8 inch Drill Line.
<b>Auxiliary Brake</b>	N/A.
<b>Rotary Table</b>	Letourneau L-495, 49-1/2 inch, Capacity 1,000 tons. Driven by (1) OEM 1,150 hp AC Motor.
<b>Cementing Eqpt.</b>	Baker Hughes Seahawk Unit.
<b>Torque Wrench</b>	NOV ST-120 Iron Roughneck, (2) 950 Hydril Hawk Spinner

### Mud System

<b>Mud Pumps</b>	(3) Letourneau Model W-2215, Triplex, Driven by (2) OEM 1150 hp AC motors.
<b>HP Mud System</b>	Rated for 7,500 psi.
<b>Mud Pits</b>	(6) Mud Pits (2) Slug Pits 3,512 bbls.
<b>Desanders &amp; Desilters</b>	(1) NOV Desander with 3x12" cones, (1) NOV Desilter with 24x4" cones.
<b>Degasser</b>	(1) NOV Model DG-10, 1,000 gpm.
<b>Shale Shakers</b>	(5) NOV Brandt King Cobra shakers, 700 gpm.

### Storage Capacities

<b>Fuel Oil</b> .....	3,065 bbls.
<b>Liquid Mud</b> .....	3,512 bbls
<b>Drill Water</b> .....	19,094 bbls (Incl. combo tanks).
<b>Potable Water</b> .....	2,057 bbls.
<b>Bulk Material</b> .....	(Barite/Bentonite + Cement) 12,000 cu.ft.
<b>Sack Storage</b> .....	775 sq.ft.
<b>Pipe Storage (Main)</b> .....	1,317 sq. ft x 7 ft. high.
<b>Pipe Storage (Cantilever)</b> .....	2,000 sq. ft x 7 ft. high.

### BOP & Well Control

<b>BOP</b>	(1) 13-5/8" 10K (2 Double). (1) 21-1/4 2K & 30 1K Annular.
<b>BOP Handling</b>	(2) Ingersoll Rand winches Model 75 tons each hoist.
<b>Diverter</b>	Vetco Grey Model KFDJ 500 psi.
<b>Control Unit</b>	Cameron 3k psi BOP Control Unit 15 gal. bottles with reservoir tank capacity 825 gal.
<b>Choke Manifold</b>	3-1/16" x 15k Upstream to 3-1/16" x 10K Downstream

### Power & Machinery

<b>Main Power</b>	(5) Caterpillar 3516 CHD diesel engines driving (5) KATO 1,525 kw Generator.
<b>Emergency Power</b>	(1) Caterpillar 3516 CHD driving (1) Kato 1,525 kw Generator.

### Cranes

<b>Deck Cranes</b>	(3) Letourneau PCM-220 SS Pedestal Cranes, SWL 75 tons,
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### Special Features & Other Information

<b>Helideck</b>	D 22.2 M, SWL 12.8 t.
<b>Jacking</b>	5 pinions per chord, 4 x chords per leg, 600 kips per pinion for holding capacity and 375 kips per pinion for jacking capacity.



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.

