



ARO – 140

Design: Cameron S116E Class
 Built: Lamprell Energy Ltd.
 Year Built / Last Upgrade: 2016



High Specification Jackup

General Description

Classification..... ABS, A1 Self-elevating Drilling Unit.
 Flag Liberia.
 Overall Dimensions (Hull)..... 243 ft. long x 206 ft. wide x 26 ft. deep.
 Legs 444 ft. long.
 Gear Unit Height 27.54 ft.
 Longitudinal Leg Centers.....129 ft.
 Transverse Leg Centers..... 142 ft.
 Drafts17.25 ft. load line draft.
 Accommodation 140 persons.
 Displacement..... 28,726 kips operating.
 Variable Deck..... 6,301 kips operating / 3,382 kips transit.
 Transit Speed average 3 knots (min. 300 kips combined bollard pull).
 Operating Water Depth300 ft.
 Maximum Drilling Depth 30,000 ft.

Drilling Equipment

Derrick LCM Woolslayer 170 ft. base, 35 ft. X 32 ft.
 Hook load Capacity 1,5000,000 lbs.
 Top Drive/Power Swivel Nov TDS-8SA X 750T X 1,150 hp
 Cantilever / Skid out 70 ft.
 Travelling Block Nov Derco 768TB-750-8C X 750T.
 Crown Block Lee C Moore 750 st.
 Drawworks NOV ADS-10T x 3,450 hp.
 Auxiliary Brake Braking using dynamic braking resistors model JEVI (4x1200KW)
 Rotary Table NOV D-495 x 49 1/2" 750T x 1,150 hp.
 Cementing Eqpt. Baker Hughes.
 Torque Wrench/spinner (1) NOV ST-160.

Mud System

Mud Pumps (3) NOV 14-P-220 X 2,200 hp x 7,500 psi.
 Mud System Max. Press Rated for 7,500 psi.
 Mud Pits 4,481 bbls total
 Desanders & Desilters VMS300
 24 – 4" Desilter cones and 3 – 12" desander cones
 Degasser (2) NOV Brandit DG – 10
 Shale Shakers (5) NOV Brandit VSM 300

Storage Capacities

Diesel Fuel 4114 bbls.
 Liquid Capacity 5,235 bbls.
 Drill Water16,536 bbls.
 Potable Water 2,648 bbls.
 Bulk Cement 7,000 cu ft.
 Base Oil981 bbls.
 Sack Storage775 sq. ft.
 Pipe Storage (Main)1680 sq. ft. x 27.25 ft. high.
 Pipe Storage (Cantilever) 3510 sq. ft. x 47.25ft. high.

BOP & Well Control

BOP (2) Cameron-13 5/8" 10 M Double
 BOP Handling (2) EH75 JD Neuhaus, Pneumatic Chain Hoist 75 Ton each hoist.
 Diverter Vetco KFDJ X 49 1/2" RST.
 Annular NOV Shoffer 13 5/8" x 10,000 psi.
 Control Unit 3K psi BOP Control Unit (80) 15 gal. bottles with reservoir tank capacity 1,500 gal.
 Choke Manifold 4-1/16" 10K Upstream to 4-1/16" 5K Downstream.

Power & Machinery

Main Power (5) Caterpillar 3516 CHD engine x 1,525 kw
 Emergency Generator (1) Caterpillar 3512 – C engine x 1,360 KW

Cranes

Deck Cranes (1) 140ft boom x 75 st at 35ft radius (Diesel).
 (2) 120ft boom x 51 st at 30ft radius, Electric

Special Features & Other Information

Helideck SIKORSKY S-61N, S-92, and EH-101
 Overall Length: (22.8 M) 74.8 Ft.
 Rotor Size: (18.9 M) 62.0 Ft.
 Gross Weight: (14,600 KG) 32.2 Kips
 Jacking capacity Make/type Letourneau / Electro-Mechanical Rack & Pinion
 Number of jacks or pinions – number 20 per leg, Three legs = 60 Total
 Maximum jacking load – kips 22,230 kips
 Jacking speed – ft/min 1.5 ft/min.



