



# ARO – 76

Design: MLT 116-CE  
 Built: TDI Halter, Pascagoula, USA  
 Year Built / Last Upgrade: 1999 / 2024

## High Specification Jackup

### General Description

Classification.....(Maltese Cross) A1, Self-Elevating Drilling Unit.  
 Flag ..... Liberia.  
 Overall Dimensions (Hull)..... 295.58 ft. long x 206 ft. wide x 26 ft. deep.  
 Legs ..... 3 x 410.40 ft. long.  
 Longitudinal Leg Centers.....129 ft.  
 Transverse Leg Centers..... 142 ft.  
 Drafts .....16.08 ft. load line draft.  
 Accommodation ..... 120 persons.  
 Displacement ..... 25,935 Kips operating.  
 Variable Deck Load ..... 8,000 kips operating / 3,815 kips transit.  
 Transit Speed ..... average 4 knots (min. 240 kips combined bollard pull).  
 Operating Water Depth ..... 350 ft.  
 Maximum Drilling Depth ..... 30,000 ft.

### Drilling Equipment

|                          |                                 |
|--------------------------|---------------------------------|
| Derrick                  | Dreco, 170ft x 40ft x 32ft.     |
| Hook load Capacity       | 1,500,00 lbs.                   |
| Top Drive                | Varco TDS-8SA.                  |
| Cantilever / Drill Floor | 65ft.                           |
| Travelling Block         | American Block x 750mt x 60ft.  |
| Crown Block              | Dreco, 6 x 60 x 750mt.          |
| Draw works               | National 1625-UDBE.             |
| Auxiliary Brake          | NOV Baylor 15050.               |
| Rotary Table             | National D-495 49 1/2".         |
| Cementing Eqpt.          | Schlumberger CPS636 15,000 psi. |
| Torque Wrench            | (1) NOV ST-120                  |

### Mud System

|                       |   |
|-----------------------|---|
| Mud Pumps             | (3) NOV 14P-220 — 2,200 HP x 7,500 psi.     |
| HP Mud System         | 7,500 psi.                                  |
| Mud Pits              | 3886 bbls.                                  |
| Desanders & Desilters | (2) Brandt LCM 3D-MC, Hydroclone, 2,000 GPM |
| Degasser              | (1) Derrick Vacu Flo 1200, 1,000 gpm.       |
| Shale Shakers         | (4) Brandt VSM 300.                         |

### Storage Capacities

|                                |  |
|--------------------------------|--|
| Fuel Oil.....                  | 4,630 bbls.                            |
| Liquid Mud.....                | 4,478 bbls.                            |
| Base Oil.....                  | Utilize Mud Tanks bbls.                |
| Drill Water.....               | 11,648 bbls (incl. combination tanks). |
| Potable Water.....             | 726 bbls.                              |
| Bulk Material.....             | (Barite/Bentonite/Cement) 10880 Cu.Ft. |
| Sack Storage.....              | 5000 sq. ft.                           |
| Pipe Storage (Main).....       | 2,400 sq. ft. x 7ft. high.             |
| Pipe Storage (Cantilever)..... | 2,352 sq. ft. x 7ft. high.             |

### BOP & Well Control

|                |   |
|----------------|---|
| BOP            | (2) Cameron BOP 13-5/8 10K Double Cavity Model II |
| BOP Handling   | (2) JD Neuhaus, Pneumatic Chain Hoist 150 Ton.    |
| Diverter       | (1) GE Vetco KFDJ-J-500.                          |
| Control Unit   | Sara Sae, BOP Control with 5K Shear Boost.        |
| Choke Manifold | 4-1/16" 10K Upstream to 4-1/16" 5K Downstream.    |

### Power & Machinery

|                 |   |
|-----------------|---|
| Main Power      | (4) Caterpillar 3606 diesel engines driving.<br>(4) Kato A267010000Generator rated 600V/60Hz/3phase |
| Emergency Power | (1) Caterpillar 3505-DHA 1019 HP<br>(1) Kato SR-4B Generator rated 715kw & 480V.                    |

### Cranes

|             |                           |
|-------------|---------------------------|
| Deck Cranes | (3) Letourneau PCM 120SS. |
|-------------|---------------------------|

### Special Features & Other Information

|          |   |
|----------|---|
| Helideck | S-61N   |
| Jacking  | 352 Kips per pinion for Jacking capacity. Total Normal Jacking Elevated Load 19000 Kips |



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.

