## BIENVILLE
### 260 CLASS DP-2 PLATFORM SUPPLY VESSEL

Environmentally friendly diesel electric propulsion uses less fuel than conventional direct drive systems and produces far less pollution. Vessels designed to maintain a speed of 13 knots at loadline (fully loaded condition), up to 20% faster than most existing vessels of equal size. Liquid mud tank capacity and delivery capabilities typically found only in much larger vessels. Oval liquid mud tanks with a self-cleaning system provide maximum circulation and are more cost-effective to clean than traditional square tanks.

### REGISTRATION
- **USCG Official #**: 1163970
- **Year Built**: 2005
- **Builder**: Bender Shipbuilding & Repair, Co. Inc. (USA)
- **Flag**: U.S.A.
- **Classification**: ABS +A1, Offshore support vessel, +AMS, +DP5-2, + SOLAS, USCG Subchapter L, Full Ocean
- **USCG Safety Standby**: EEP 100 endorsement by USCG for safety standby service

### MAIN CHARACTERISTICS
- **Length Overall**: 252 ft (76.81m)
- **Length Between Perpendiculars**: 230 ft (70.15 m)
- **Beam**: 54 ft (16.50 m)
- **Depth**: 19 ft (5.80 m)
- **Operating Draft**: 15.6 ft (4.76 m)
- **Operating Displacement**: 4,434 ft (4,504.04 m)
- **Light Draft**: 7.87 ft (2.4 m)
- **Gross Registered Tonnage**: 2,045

### CAPACITIES
- **Deadweight**: 2,882.74 ft (2,929.00 mt)
- **Cargo Deck Area**: (179 ft x 45 ft) 8,055 ft² (54.6 m x 13.7 m) 748 m²
- **Cargo Deck Loading**: 1,024 lbs / ft² (5 mt / m²)
- **Fuel Oil Cargo**: 3,400 bbl (1,521.80 gal) (540.56 m³)
- **Fuel Oil Day Tank**: 293 bbl (12.31 gal) (46.61 m³)
- **Bulk Mud**: 7,135 ft³ (4 tanks) (202 m³)
- **Liquid Mud**: 8,215 bbl (13 tanks) (1,360.07 m³)
- **Rig Water**: 3,007 bbl (126.31 gal) (478.14 m³)
- **Cargo Fresh Water**: 5,040 bbl (211,715 gal) (901.43 m³)
- **Ship Fresh Water**: 409 bbl (17,200 gal) (65.11 m³)

### PERFORMANCE
- **Top Speed**: 14.9 knots @ 190 gph
- **Cruising Speed**: 11 knots @ 147 gph
- **Economical Speed**: 10 knots @ 120 gph
- **DP Mode**: 50 gph

### DYNAMIC POSITIONING SYSTEM (CLASS II)
- **ABS classed DP2 Redundant Positioning System consisting of**:
  - 2 GE ADP 21 consoles
  - 2 Leica MX 420 / 2 DGPS
  - 1 Cyscan Laser Reference Unit
  - 3 Gill Wind Observer II Anemometers
  - 3 Watson Vertical Reference Units
  - 3 SG Brown Meridian Gyro
  - 2 DP Alarm and Event Printers
  - 2 x 4 kVA Uninterrupted Power Supply
  - 1 Independent Joystick Control System
  - 1 Mini RADASCAN Microwave Reference Unit

### PROPULSION - MACHINERY
- **Total Installed Power**: 4,730 kW (6,342 hp)
- **Main Diesel Generators**: 2 x 1,825 kW (2,447 hp)
  - 480 V / 60 Hz (Cummins QSK 60)
  - 1 x 910 kW (1,220 hp)
  - 480 V / 60 Hz (Cummins KTA 38)
- **Emergency Generator**: 1 x 170 kW (228 hp)
- **Main Propulsion**: 2 x 1,566 kW (2,100 hp)
- **Bow Tunnel Thrusters**: Z drive, 360° azimuthing (Steerprop SP 20)

### CARGO DISCHARGE
- **Fuel Oil**: 600 gpm at 200 ft TDH (136 m³ / h at 60 m TDH)
- **Rig Fresh Water**: 660 gpm at 196 ft (150 m³ / h at 60 m)
- **Liquid Mud (LM)**: 660 gpm at 196 ft (150 m³ / h at 60 m)
- **LM Segregated System**: Integrated / Segregated
- **Fuel Oil Day Tank**: 293 bbl (12.31 gal) (46.61 m³)
- **Fuel Oil Cargo**: 3,400 bbl (1,521.80 gal) (540.56 m³)
- **Cargo Deck Loading**: 1,024 lbs / ft² (5 mt / m²)
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### DECK EQUIPMENT
- **Rescue Boat**: 1 x MOB boat with davit
- **Anchor Windlass**: 2
- **Roll Reduction System**: 1 Roll Stabilization Tank

### CONTROL & SAFETY
- Fully integrated DP / control dual redundant system
- Alarm, monitoring and control system for periodically unattended machinery space
- Remote control and monitoring of liquid mud and bulk mud cargo systems

### ELECTRONICS
- 2 Radars with ARPA
- 1 Navigation Gyro Compass
- 1 Autopilot
- 1 Deep Sounder
- 1 Speed Log
- 1 Radio System Compliant
- 1 EPIRB (2 radar transponders)
- 5 UHF, 4 VHF (bridge to bridge)
- 1 Weather Fax
- 1 Navtex
- 1 PA / Loud Hailer

### ACCOMMODATION
- Fully Air-conditioned
- Accommodations for 26 people consisting of:
  - 4 x 1 man cabins
  - 3 x 2 man cabin
  - 4 x 4 man cabins
  - Galley, Provision Room, Stores, Mess
  - Walk in Refrigerator 423 ft³ (11.9 m³)
  - Walk in Freezer 335 ft³ (9.5 m³)
NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company’s equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein. Fuel consumption figures are historically conservative approximations.
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DYNAMIC POSITIONING CAPABILITY PLOTS

2 BT + 2 Azimuthing drives online
Multiple knot currents, wind speed in knots
Draft considered in 4.9 meters

Current Speed
- 0.0 Kts
- 1.0 Kts
- 2.0 Kts
- 3.0 Kts

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