



- **Water depths from 23 to 262 ft.**
- **Refurbished to new in 2006**
- **Drilling depth rating: 25,000'**
- **Two (2) 1,500 HP mud pumps**
- **3,000 HP drawworks**

303

Drilling Vessel Description Designed and constructed by Bethlehem Steel Corporation in 1974 (completely remanufactured in 2006), the 262 ft. mat slot Spartan 303 was built in accordance with the rules of the American Bureau of Shipping and is classified as an A-1 self-elevating mobile drilling unit

Dimensions Legs..... Three (3) each – 12' diameter, 321' long (including mat)
 Hull Dim 132' x 176' x 16'6"
 Mat Dim 170' x 210' x 10' w/2' skirt
 Hull/Drilling Slot 50' x 58' x 16'6"
 Mat Slot 90' x 87' x 10'

Jacking System Bethlehem, electrohydraulic yoke and pin system

Design Operating Conditions Maximum water depth (non-hurricane).....262'
 Maximum water depth (hurricane).....200'
 Minimum water depth23'
 Drilling depth..... 25,000'

Maximum Operating/ Environmental Conditions **Normal drilling:**
 Variable deck load 4,500 Kips
 Drilling load 4,500 Kips
 Maximum jacking variable 2,400 Kips
 Hook/setback load 1,300 Kips
 Wind speed 100 Knots
 Wave height 35'

Hurricane Survival Variable load 3,000 Kips
 Wind speed 100 Knots
 Wave height 50'

Rig Storage Capacities **Weight material and cement:**
 Bulk mud 3,900 cu. ft
 Bulk cement 4,050 cu. ft
 Sack storage 3,000 sacks

Rig Storage Capacities **Liquids:**
 Drilling mud – active 1,500 bbls.
 Drill water 4,484 bbls.
 Diesel fuel 1,796 bbls.
 Potable water 472 bbls.

Drawworks • National 1625-M double drum, (3,000 HP) powered by three (3) Superior PTDS-3 diesel engines
 • Crown-o-Matic Lebus grooving-drum, grooved for catheads – breakout and spinning
 • Brake system: electric current, Elmagco Md# 7838

Derrick Continental Emsco Model 20RD Derrick, 147' clearance height by 30' base; 1,400,000 lbs gross nominal rating

Mud Pumps • Two (2) National 12-P-160 triplex single-acting mud pumps powered by EMD 16-567 diesel engines
 • Note: Spartan Offshore will provide one (1) size liner for mud pumps. Operator to designate size prior to rig mobilization. The pumps shall be operated at a maximum of 85% of manufacturer's stroke and pressure rating when operating on a continuous basis.

Rotary National C-375, 37.5" minimum bore driven by drawworks power

Wireline Unit Mathey 3/16"

Engine Generator Set Two (2) each EMD 12-567 diesel engines each driving a 750 kW x 480 volt generator

Shale Shakers Three (3) Fluid Systems Series shaker 5,000 B4X-12

Desander Fluid System Series 5,000 BDHC - 3" x 8" cones over Fluid Systems shaker 5,000 B4X-12

Desilter/ Mud Cleaner Fluid System Series 5,000 BDHC - 14" cones over Fluid Systems shaker 5,000 B4X-12

Degasser Swaco

Quarters 50-person air-conditioned quarters complete with galley, mess hall, recreation room, hospital room, bath facilities, change room, laundry and state rooms and office for rig manager and operator's representatives. Additional capacity via portable bunk house building.

Heliport 60' x 60' designed for Sikorsky S-61 loading

- Cranes**
- One (1) LeTourneau PCM-120 100' boom, rated 43.9 tons at 24'
 - One (1) Link Belt ABS 108-B boom rated at 28.6 tons at 15'

Cementing Unit Customer-rented, Schulmberger unit on board

- Life Saving and Fire Protection**
- Two (2) 28-person lifeboats
 - Two (2) 28-person life rafts
 - All United States Coast Guard (USCG) required personal flotation devices, work vests, ring buoys, smoke and light signals on board

BOP Equipment (All have safety H2S trim)

Diverter 21-1/4" with hydro-control valves and overboard lines 2,000 psi (recharged per contract provisions)

Annular 13-5/8" Hydril Type GK; 5,000 psi

Single 13-5/8" Cameron Type U; 10,000 psi

Double 13-5/8" Cameron Type U; 10,000 psi

Gate Valves Two (2) 3-1/16" Cameron Type F; 10,000 psi

Accumulator Koomy

Adjustable Hydraulic Choke Swaco super adjustable choke

Choke & Kill Manifold 10,000 psi, 3-1/16"

Choke & Kill Hoses One (1) each

Note Contractor will provide the initial size rams for contractor-supplied drill pipe and one (1) set of shear rams. All replacement BOP rubber goods shall be recharged per contract.

Top Drive TESCO hydraulically driven top drive, either 500 or 650 ton, powered by its own diesel driven powered power pack (optional)

