### Drilling Vessel
**Description**
- Designed and constructed by Baker Marine Corporation in 1981 (completely refurbished and upgraded in 2006), the 150’ independent leg/cantilever unit 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.

**Type**
- Baker Marine Corporation 150 H class independent leg cantilever jackup

**Class**
- ABS + A1 self-elevating mobile drilling unit, 1980

**Design Operating Conditions**
- Maximum water depth (non-hurricane): 150’
- Minimum water depth: 12’
- Drilling depth: 25,000’

**Maximum Operating/Environmental Conditions**
- Variable deck load: 3,313 Kips
- Drilling load: 1,000 Kips
- Wind speed: 70 Knots
- Wave height: 35’

**Hurricane Survival**
- Water depth: 130’
- Variable load: 2,313 Kips
- Wind speed: 100 Knots
- Wave height: 45’

**Drillfloor Loading**
- Rotary drill load: 1,300,000 lbs
- Setback: 500,000 lbs
- Combined hook and setback: 1,300,000 lbs

**Cantilever**
- Capable of extending 40’ beyond hull’s stem transom
- Drill floor, skids transversely 10’ from center, port or starboard
- Entire cantilever and drill floor designed to skid off the hull to facilitate work on large platforms or remote well bays

**Legs**
- Three (3) triangular Truss type, 250’ - 3’ long

### Rig Storage Capacities
**Liquids:**
- Drilling mud: 1,315 bbls.
- Drilling water: 3,373 bbls.
- Diesel fuel: 1,543 bbls.
- Potable water: 1,186 bbls.

**Elevating System**
- Baker Marine electrohydraulic drive rack and pinion system

**Engine Generator Units**
- Four (4) Caterpillar D-398, radiator-cooled diesel engines, each driving an 800 kW, 600 volt, 60 Hz AC generator
- One (1) Caterpillar D-398, radiator-cooled engine driving an 800 kW, 600 volt AC generator – can be used as a standby or on main AC buss
- Two (2) Caterpillar D-399, radiator-cooled diesel engines, each driving a 1,050 kW, 600 volt AC generator to be used for the top drive and drawworks

**Electrical Distribution**
- Ross-Hill Model 1400 four (4) bay SCR distribution system for drilling and shipboard operations
- Gulf Coast two (2) bay SCR systems for powering the drawworks and top drive

**Drawworks**
- Mid-Continent U-1220 driven by two (2) GE 752 DC motors each rated at 1000 HP (intermittent)
- Two (2) Gardner Denver PZ-10 triplex pumps, each rated at 1,350 HP and driven by two (2) GE 752 DC motors complete with suction and discharge pulsation dampeners
- One (1) FB 1600 Triplex Pump; 1,600 HP, rated at 11,600 HP and driven by two (2) GE 752 DC motors complete with suction and discharge pulsation dampeners

**Derrick**
- Branhm 147’ high x 30’ base rated at 1,300,000 lbs static hook load; complete with adjustable air-powered casing stabbing board, derrick climbing assistor, racking platform

**Mud Pumps**
- Two (2) Gardner Denver PZ-10 triplex pumps, each pump is rated at 1,350 HP and driven by two (2) GE 752 DC motors complete with suction and discharge pulsation dampeners
- 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 with a 37.5" opening, independently driven by a GE 752 DC motor through a two-speed gear box complete with air brake

Top Drive
- Varco TDS-3 powered by a GE 752 traction motor hi-torque

Ezy-Torque
- Varco

Shale Shaker
- Two (2) Brandt King Cobras

Desander/Desilter/Mud Cleaner
- One (1) Brandt King Cobra mud cleaner unit with three (3) cone desanders and twenty-four (24) cone disilters

Degasser
- Brandt DG-5 (500 gpm)

Quarters
- 53-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

Heliport
- 62’ nominal diameter designed for Sikorsky S-61 loading

Cranes
- One (1) Baker Marine Model 900 crane with 100’ boom rated at 49,965 lbs at a 20’ radius and 41,055 lbs at a 40’ radius
- One (1) Draco King Post crane to accommodate heavier loads; 80,000 lbs at 25’

Cementing Unit
- BJ Unit is onboard; costs for the unit and associated equipment shall be for operator’s account

Life Saving and Fire Protection
- Two (2) 65-person life boats
- CO2 fire extinguisher system or both engine room and emergency generator room
- All safety and fire protection equipment per USCG, ABS and MMS regulations

BOP Equipment
- All have safety H2S
  - 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) 4-1/16” Cameron Type F; 10,000 psi
  - Accumulator: Koomy Type 80: 7 station, 22 bottle, 3,000 psi closing unit with two (2) air pumps, a triplex electric-driven pump
  - Choke: 3-1/16” 10,000 psi, with two (2) adjustable chokes and one (1) Swaco automatic choke
  - Handling System: Two (2) 25-ton pneumatic hoists with a BOP lift ring to install BOPs
  - 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.