

- f. Motion Compensator - Vetco Model 400-20D with 400,000 capacity and 20 ft. stroke
- g. Mud Pumps - Two (2) Oilwell 1700 PT Triplex pumps with pulsation dampeners. Each driven by two (2) GE-752 DC motors. Mud pumps to be charged by two (2) 6 x 8 centrifugal pumps.
- h. Rotary Table - Oilwell 37½" table driven by GE-752 motor
- i. Crown Block - Oilwell seven (7) sheave type; 600 ton
- j. Hook Block - Oilwell 650 ton capacity with BJ 5500 Dynaplex hook
- k. Traveling Block Guide System - Two-rail system design
- l. Swivel - Oilwell PC-650
- m. Rotary Hose - Two (2) each, installed in derrick, 3" x 75' wire braid, 10,000 psi test
- n. Weight Indicator - Martin Decker Type E AW-11 with E-80 sensor.
- o. Electric Power Supply - described in Part 2 of Appendix "A"
- p. Kelly Spinner - Varco Model 6500.
- q. Drilling Recorder - One (1) six channel recorder for penetration, weight, pump pressure, torque (electric) rotary RPM and pump rate from two (2) pumps alternately.
- r. Iron Roughneck - Varco Model 2000

### 3. Drill String

- a. Drill Pipe:
  - (1) 10,000 ft. - 5" O.D., Grade E, 19.5 lb/ft. Range 2 drill pipe, quench and temper, with 4½" IF x 6-3/8" O. D. 18-degree taper, ultrasonically inspected tool joints and internally plastic coated.
  - (2) 5,000 ft. - 5" O.D. Grade S-135 19.5 lb/ft. Range 2 drill pipe, quench and temper, with 4½" IF x 6-3/8" O.D. 18-degree taper, ultrasonically inspected tool joints and internally plastic coated.
  - (3) Forty (40) joints 5" O.D. 50 lbs./ft. Range 2 Hevi Wate Drill Pipe w/4½" I.F. Tool Joints