

If casing is run shallower, casing design will be changed to effect savings accordingly.

Production string will be cemented with sufficient Class "H" cement to cover all zones of interest. Casing attachments: float shoe, float collar between first and second joint, centralizers in sufficient quantity to assure a good cement job over zones of interest. Tack weld top of shoe and bottom of first collar. Howco weld first collar. Reciprocate casing while cementing. Note — cement sampling requirements in (A) above. Bump plug. Pressure test to 2500 psi using fresh water to displace plug and check float. If float holds, release pressure and shut in casing. If float continues to hold but pressure increases because of expansion from heat, maintain maximum surface pressure of 100 psi for eight hours. If float does not hold, maintain final circulating pressure for eight hours, bleeding off to this pressure if necessary. After checking float, drain BOP and fill with fresh water. Close pipe rams on casing. Do not move casing during required WOC time. Hang weight of casing on slips prior to cutting off casing.

XII. SAFETY PROGRAM:

The safety program will conform to the attached notice from the United States Geological Survey. In addition, the accumulator pressure is to be noted to the driller on the tour sheet at some time during each tour. B.O.P.E. will be tested at least once a week to insure proper working condition.

XIII. THIRD PARTY SERVICES:

- A. Drilling Contractor: W.E.K. Drilling or Landis
- B. Mud Company: Marrs, DMI or IMCO
- C. Cementing Company: Halliburton or Western
- D. Logging Company: Dresser-Atlas or Schlumberger
- E. Stimulation Service: Halliburton or Western

MSS/mjc

SUBMITTED BY: Landell M. Hawkins

DATE: 3-27-81

APPROVED BY: _____

DATE: _____