

AP
8,650' 6,100' Production String: Drill 7 7/8" hole to approx. 6,100', if commercial production is indicated, set 5 1/2", 15.5# & 17#, J-55, LTC casing (Internal Pressure @ Min. Yield=4810 PSI, Min. Collapse=4040 PSI, Joint Strength=239,000#). Cement as necessary to tie back into intermediate casing + 500' (2 stage job), pressure test plug to 1900# before completion.

5. MUD PROGRAM:
 - a. Surface - 700'; Native fresh water mud
 - b. 700' - 4300'; Saturated brine system
 - c. 4300' - TD; Cut Brine system having a viscosity of 32-38 sec., weight between 8.6 & 9.2, and water loss less than 25. Starch and gel will be used to control water loss and viscosity.
6. AUXILIARY EQUIPMENT:

Auxiliary equipment will include a kelly cock on the kelly joint and a full opening safety valve with appropriate drill pipe fittings available on rig floor.
7. TESTING, LOGGING AND CORING PROGRAM

Samples: Samples will be caught at 10" intervals from 4300' - TD. A 2 man mudlogging unit will be utilized from 5500' - TD.

DST's: DST as warranted

Coring: Sidewall cores in Brushy Canyon possible:

Logging: Gamma Ray/Neutron/Density/Pe/Caliper
Gamma Ray/Laterlog &/or Induction/MSFL
8. ANTICIPATED PRESSURE, TEMPERATURE, AND H₂S:

Anticipated bottom hole pressures of approximately 2750#.

Anticipate bottom hole temperature of 140 deg.

Do not expect to encounter any H₂S.
9. ANTICIPATED STARTING DATE:

Anticipate starting dirt work in early October with drilling operations to commence by October 10 depending on rig availability. Anticipate approx. 15 days to reach TD with completion operations to begin after evaluation of drilling information.