

9. Drill 7 7/8" hole to approximately 12,450'. Exact TD will be determined by wellsite engineer.

NOTE: Diamond coring may be done in Strawn. Run Junk Sub on first trip below 11,250'.

10. Run 4 1/2" casing as follows:

0 -	650'	-	13.5#/ft, N-80, LT&C
650 -	4000'	-	11.6#/ft, N-80, LT&C
4000 -	6500'	-	11.6#/ft, J-55, ST&C
6500 -	10,200'	-	11.6#/ft, N-80, LT&C
10,200 -	12,500'	-	13.5#/ft, N-80, LT&C

Casing will be run with float shoe, differential fill-up collar and sufficient reciprocating scratchers and centralizers to cover productive interval.

NOTE: If dual completion, 5 1/2" casing will be run.

11. Cement w/sufficient 50-50 Pozmix "S" cement w/0.4% HR-4 to cover all zones of interest. Tail in w/Latex cement to cover perforating intervals. Pump inhibited mud ahead of cement.
12. If floats hold, land casing as cemented, WOC 3 hrs., run temperature survey and release rig.

DRILLING FLUIDS PROGRAM:

1. Surface Hole - 0 to 900'. Spud mud. Add gel & lime as needed to clear hole. Use fiber for loss of circulation as needed.
2. Intermediate Hole - 900' to 4600'. Native mud. Add water to maintain viscosity at 33 to 34 sec. Pretreat system w/fiber (6 to 8 pounds per bbl.) at 2750'. If hole gives trouble, lower water loss to 20 cc to run casing.

NOTE: If severe loss of circulation is encountered below 2750', hole will be "dry drilled" to intermediate point or air equipment may be installed. Drilling should not be stopped to combat loss of circulation. Casing may be set to a minimum depth of 4200'.

3. Below Intermediate:

4600' to 11,000': Clear water treated with surfactant. Some treatment w/paper may be required to reduce losses.

NOTE: Contractor shall have the option to drill this interval with air or gas. Contractor elects to drill with air or gas, the necessary equipment and operation shall be at contractor's expense. Hole must be mudded up at 11,100'.