

The casing will be cemented in one stage with 950 sx Halliburton Lite plus 1/4#/sk Flocele plus 8% NaCl (13.6 ppg, 1.56 ft<sup>3</sup>/sk) followed with 250 sx class "C" plus 8% NaCl (1.32 ft<sup>3</sup>/sk, 15.6 ppg). The cement must be circulated to the surface and the USGS must be notified in sufficient time to witness the cement job.

Nipple Up 9-5/8" casing:

The 9-5/8" casing slips should be set immediately after plug down. Wait on the cement 4 hours before beginning additional nipping up procedures.

Cut the 9-5/8" casing off, remove the BOP stack and install a 12" 3000 psi x 10" 5000 psi casing spool with 9-5/8" seals, bit guide, and wear bushing.

BOP's upper and lower kelly cock and choke manifold should be tested to 5000 psi by Yellow Jacket or similar. After drilling the float collar, test the casing and pipe rams to 2000 psi with the rig pump.

The USGS must be notified in sufficient time to witness this testing and a copy of the test report should be made available to them.

2nd Intermediate Hole:

An 8-3/4" open hole will be drilled from 3750' to 7450' with a fresh water drilling fluid 28-30 vis, 8.4-8.8 ppg, 9.5 pH.

At 7450' pull out of the hole and run a continuous multi-shot survey (gyro-survey) of the hole from 7450' to the surface. After finding the present bottom hole location build angle at 1-1/2° per 100' to 28° or more down to 12,500'. Deviation surveys will be run at least every 120'.

The drilling fluid from 7450' to 10,930' will be fresh water 28-30 vis, 8.4-8.8 ppg, 9.5 pH circulated through the reserve pit. At 10,930' the drilling fluid should be changed to 10 ppg BW, 28-30 vis, 9.5 pH.

At 12,500' the 7" casing will be run to TD. The 7" casing will be a combination string with the following segments:

SEG	WT	GRADE	THD	TOP	BTM	LENGTH
1	26	S95	LT&C	9900	12,500	2,600
2	23	S95	LT&C	6090	9,900	3,810
3	26	K55	LT&C	3440	6,090	3,650
4	23	N80	LT&C	1320	2,440	1,120
5	22	N80	LT&C	0	1,320	1,320