

5. Pressure Control Equipment:

BOP equipment will include a double ram type preventer equipped with pipe and blind rams and a rotating head. (API arrangement SRdG) All equipment will have a 3,000 psi working pressure or greater. Rams, valves, lines and choke manifold will be tested to 750 psi before drilling out from under surface casing. Surface casing will be pressure tested to 750 psi before drilling out. After drilling casing shoe and drilling an additional 5' of hole a leakoff test will be run. After running the 7" intermediate casing, all BOP equipment will be tested to 1,000 psi, as will the intermediate string itself prior to drilling out. After drilling the shoe and making 5' of new hole below pipe a leakoff test will again be run. The accumulator will be of sufficient size to open and close all components of the BOP system. Daily checks of the equipment will be made and the rams will be operated on trips.

6. Drilling Mud Program:

<u>From</u>	<u>To</u>	<u>Type Mud</u>	<u>Weight</u>	<u>% Oil</u>	<u>Water Loss</u>
0	530'	Native	8.5-9.0	0	No Control
500'	1,850'	Gel-Chem	9.5-13.5	0	No Control
1,850'	T.D.	Air	---	---	---

7. Auxillary Equipment Required:

A drilling rate recorder calibrated to record each foot of hole drilled will be available.

A single-shot drift indicator will be used.

Mud equipment will include a shale shaker, desander, desilter, gas buster, and/or degasser.

Deviation Control:

<u>From</u>	<u>To</u>	<u>Maximum Distance Between Surveys</u>	<u>Maximum Deviation From Vertical</u>	<u>Maximum Change Per 100' of Depth</u>
0	500'	100'	1°	1°
500'	T.D.	500'	5°	1°

8. Testing, Logging, Coring and Fracing Program:

DIL, FDC, CAL, SNP logs will be run from T.D. to surface casing shoe. GR log will be run from T.D. to surface.

Samples will be taken every 30' from 530' to T.D.

No DST's or cores are planned.