

6.) Circulating Medium:

Depth Interval	Mud Type	Wt. lb/gal	Viscosity sec/1000cc	Filtrate cc/30min	Remarks
0-550 ft.	FW-Gel	8.5-9.0	32-35	NC	
550-2100 ft.	FW-Native	8.6-9.0	32-35	NC	
2100 -3900 ft.	Cut Brine	9.2-10.3	32-34	NC	Use 2-3 % Oil
3900 -6800 ft.	FW	8.4-9.2	28-29	NC	
6800 -8100 ft.	SW-Gel	9.2-9.6	38-40	10	Use 5-6% Oil
8100-TD	3% KCL- Drispac	8.5-8.6	28-30	8-10	

No abnormal pressures are anticipated. Mud is used for borehole stability and filtrate control and will not be needed for formation pressure control.

7.) Auxiliary Equipment:

- a.) Kelly cock – in mud line above swivel.
- b.) Floats at bit- none planned.
- c.) Mud system monitoring equipment- No automatic equipment planned; will use visual testing and inspection by rig and mud company personnel.

8.) Testing, Logging and Coring Program:

- a.) Samples -Drilling samples will be caught at 10 ft. intervals below 3900 ft.
- b.) DST and Cores- None planned.
- c.) Logging- GR-CNL will be run from surface to kick-off point at 7700 ft. A directional survey will be run at 7700 ft. to determine bottom hole location. A GR sub will be incorporated in directional MWD equipment to obtain a continuous gamma ray log from 7700 ft. to 8100ft. No logs to be run in horizontal lateral. A Mud log will be run from 7600 ft. to TD.

9.) Abnormal Pressures, Temperature or Hydrogen Sulfide:

None Anticipated.

10.) Anticipated Starting Date:

Drilling operations are expected to commence March 19, 2001 and are expected to last 25 days.
Completion operations are expected to last 5 days.