

6. Type and Anticipated Characteristics of Drilling Fluid.

<u>Depth Interval (Feet)</u>	<u>Mud Type</u>	<u>Weight (ppg)</u>	<u>Funnel Visc. Sec/Qt</u>	<u>WL (cc)</u>	<u>pH</u>
0-300'	FWG	8.6-9.2	40-60	-	10.5+
300'-1750'	FWG	8.4-8.6	28-32	-	10.5+
1750'-4820'	FW	8.4	28	-	10.5+
4820'-8000'	Cut BW	8.6-9.2	30	20	10.5+
8000'-8700'	Cut BW	8.8-9.5	33	10	10.5+

7. Auxiliary Control Equipment:

- a. Kelly Cocks: Upper and lower installed on kelley.
- b. Safety Valve: Full opening ball type to fit each type and size of drill pipe in use will be available on rig floor at all times. The valves will be in the open position for stabbing into drill pipe when kelly is not in the string.
- c. Trip tank to insure that hole is full and that the hole takes the proper amount of fluid on trips.
- d. Mud system monitoring equipment and floats at the bit will not be used unless conditions dictate.

8. Testing, Logging and Completion Programs

- a. Logging: Surface casing - TD FDC/DLL/CNL
Surface - TD Gamma Ray
- b. Mud Logger from surface casing shoe to TD.
- c. Completion - Formation: Morrow 8120'± - 8400'±

Proposed Completion Procedure: Spot acid across pay zone. Run GR-CCL and perforate. Acidize with 1500 gals. 15% gelled NE HCl.
- d. Production Method: Run packer on 2-7/8" tubing and set above Morrow perforations. Produce Morrow gas up the tubing.

9. Abnormal Pressure and Other Possible Hazards

- a. No abnormal pressure is anticipated.
- b. No H₂S problem is expected.

10. It is anticipated that drilling and completion operations will begin about December 20, 1981 and be finished in approximately 12 weeks.