

C. Mud Program - Cont'd

- 0 - 350' Spud with fresh water gel flocculated with lime and pretreated with 6-8 lb/bbl cottonseed hulls, 2-4 lb/bbl fiber, and 2 lb/bbl paper for possible severe loss circulation zone 100'-200'. If necessary to blind drill or if full returns cannot be established, at casing point mix 150 bbls viscous mud treated with LCM as above and spot on bottom before coming out of the hole to run casing.
- 350' - 1600' Drill out with fresh water through a controlled section of the reserve pit. Add paper for seepage control or to sweep hole, as needed. At casing point, sweep hole with 150+ bbls viscous mud with 6-8 lb/bbl LCM before coming out of the hole to run casing.
- 1600' - 6000' Drill out with fresh water through a controlled section of the reserve pit. Use paper, sea mud, and salt water gel slugs to sweep the hole and control seepage, as necessary. To control corrosion maintain pH -- 8.5 to 9.5 with caustic soda and use corrosion chemicals from 1600' to total depth. A possibility of lost circulation exists at 2700+ and 4700+.
- 6000' - 8400' Circulate steel pits and mud up to 34-36 sec/qt viscosity, 10 to 12cc API filtrate, and 3.0+% KCL with sea mud-salt water gel (2 to 1 ratio) and drispac-cypan after treating hardness with soda ash. Make solids control equipment operative.
- 8400' - T.D. Maintain viscosity 36-40 sec/qt., API filtrate less than 6cc, and 3.0+% KCL with sea mud-salt water gel-drispac-cypan-white starch. Chloride ion concentration must be greater than 30,000 ppm for logging purposes.

D. GEOLOGICAL PROGRAM

1. One set of washed samples with logged depth will be caught each 10' from bottom of 8 5/8" casing, tied in 100' bundles and stored in a clean, dry location at the rig.
2. Drill Stem Tests
One possible DST / Strawn 8000'-8400'
3.

Logging	<u>Interval</u>	<u>Description</u>
	TD-1600'	CNL/FDC, DLL/RXO (Pull GR to surface)
4. Mud Logger: Utilize mud logger from 6000' to TD.