

CASING AND CEMENT PROGRAM:

The cementing program is detailed on Form 3160-3. All casing will be new.

Casing Program:

Surface Casing - 8 5/8", 24#, K-55, LTC set at 1000'.

Production Casing - 0' to 4350': 5 1/2", 15.5#, WC-50, LTC
4350' to 7550': 5 1/2", 17#, L-80, LTC.

Centralizer Program:

Surface Casing - Centralize the bottom 3 joints and every 4th to surface.

Production Casing - Centralize every 3rd joint on bottom 2000'.

MUD PROGRAM:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-930'	Fresh Water	8.4	28
930'-4000'	Brine	10.0	29
4000'-7550'	Brine/Starch	10.0	32-36

Bottom Hole Pressure at T.D. estimated to be 6.7 PPG EMW (2230 psi).

LOGGING, TESTING:

GR-CNL-LDT, GR-DLL-MSFL, and GR-Sonic surveys will be run.

No Mud Logging Unit will be used.

No drill stem tests will be conducted.

No cores will be taken.