

CASING AND CEMENT PROGRAM:

The casing and cementing programs are detailed on Form 3160-3. All casing will be new.

Centralizer Program:

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

Production Casing - Centralize every other joint on bottom 700'.

MUD PROGRAM:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-1055'	Fresh Water	8.5	30-32
1055'-3200'	Brine	10.0	29
Curve	Brine	10.0	35
Horizontals	Brine	10.0	29

Bottom Hole Pressure at T.D. estimated to be 7.0 PPG EMW. (1164 PSI)

LOGGING, TESTING:

GR-CNL-LDT, SGR-DLL-MSFL, GR-TDT, and GR-BHC surveys will be run.

A Mud Logging Unit will be used FROM 2600' TO T.D.

No drill stem tests will be conducted.

No cores will be taken.

HORIZONTAL PROGRAM:

Two Horizontal Sections will be drilled. See attached Horizontal Plan.