

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 800'.

MUD PROGRAM:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-400'	Fresh Water	8.4	28
400'-3775'	Brine	10.0	29
Across Pay	Starch	10.0	32

Bottom Hole Pressure at T.D. estimated to be 6.0 PPG EMW.

LOGGING, TESTING:

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

No Mud Logging Unit will be used.

No drill stem tests will be conducted.

No cores will be taken.

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