

DOW "B" -33- FEDERAL WELL No. 2

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.

Intermediate Casing - Centralize the bottom 3 joints.

Production Casing - Centralize every other joint from TD to 10675' and above and below the DV Tool at 8850'.

MUD PROGRAM:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-600'	Fresh Water	8.34	28
600'-5100'	Brine	10.0	29
5100'-10500'	Fresh Water	8.34	28
10500'-12100'	FW-Pac	9.0-9.5	30-35

LOGGING, TESTING:

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

A two-man Mud Logging Unit will be used from 2500' to 12100'.

Drill stem tests may be conducted in the Wolfcamp and Morrow, if needed.

No cores will be taken.