

B. CEMENTING PROGRAM:

Surface casing: 350 sx. "C" w/ 4% Gel, 2% CaCl₂ (wt. 13.5 ppg. Yield 1.74 cu.ft) & 200 sx. Class "C" w/ 2% CaCl₂ (wt. 14.8 ppg. yield 1.34 cu. ft) Cement calculated to circulate to surface.

Intermediate Casing: 1300 sx. 35/65 Poz "H" w/6% Gel 5% NaCl, 1/4# Flocele (12.8 ppg. 1.94 cu. ft.) + 200 sx. Class "H" (wt. 15.6 ppg. Yield 1.18 cu. ft.) Cement calculated to circulate to surface.

Production Casing: 1st stage: 900sx. 50/50 Poz "H" w/2% Gel, 5% NaCl, 1/4# Flocele (wt. 14.2 ppg Yield 1.35 cu. ft.) DV Tool; set at approx. 6400 ft.

2nd Stage: 750 sacks 35/65 Poz "H" w/6% Gel, 5% NaCl, 1/4# Flocele (12.8ppg 1.94 cu. ft.) + 200 sacks "H" (wt. 15.6 ppg Yield 1.18 ft³) Cement calculated to tie back to intermediate csng. 100'

5. Mud Program and Auxiliary Equipment:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-870	FW/Gel	8-4 8-9	32-36	N/C
870-4600	Brine	10-0	28	N/C
4600-TD	SW/Gel, Starch	8-9 9-3	28	< 15cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: Every 10' from intermediate casing to TD
 Logging: G/R from surface to TD; CNL/LTD & DLL/MSFL 4600' to TD.
 Coring: None anticipated
 DST's: 1 to 2 in Bone Springs (Upper).
 1 to 3 in Delaware Sands.

7. Abnormal Conditions, Bottom hole pressure and potential hazards:

Anticipated BHP:

From: 0	TO: 870	Anticipated Max. BHP: 250	PSI
From: 870	TO: 4600	Anticipated Max. BHP: 750	PSI
From: 4600	TO: 10600	Anticipated Max. BHP: 3000	PSI