

B. CEMENTING PROGRAM:

Surface casing: 600 sx. PSL "C" w/ 1/4# Cellocel, 3% CaCl₂, wt. 12.4 yld. 1.84 cu.ft. Tail in 250 sx "C" w/ 2% CaCl₂, wt. 14.8 yld 1.32.

Intermediate Casing: 1500 sx Pacesetter Lite "C" w/ 1/4# Cellocel, 10# salt. Tail in w/ 250 sx "C" w/ 2% CaCl₂, wt. 14.8 yld 1.32.

Production Casing: 1st stage: 350 sx "H" w/ 8# CSE, 5% Gilsonite, 6/10% CF-14, 35% Thifty Lite. wt. 13.6 yld 1.75.

2nd stage: 950 sx Pacesetter Lite "C" w/ 5# Gilsonite, 5# Salt, 4/10% CF-14, wt. 12.7 yld 1.84. Tail in with 150 sx "H" w/8# CSE, 5# Gilsonite, 6/10% CF-14, 35% Thrifty Lite. wt. 13.6, yld 1.75.

5. Mud Program and Auxiliary Equipment:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-1000	FW Gel, Paper, LCM	8.6-9.6	32 - 36	N/C
1000-5200	Brine	10.0-10.2	28	N/C
5200-6500	Cut Brine	8.9-9.1	28	
6500'-12700	Cut Brine, Starch	8.9-9.1	30-33	12-15CC

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: Re-Entry

Samples: 20' from surface to 4600', 10' from 4600' to TD.

Logging: CNL-LDT to csg. w/ GR/CNL up to surface DLL w/RXO: TD to csg.CMR over selected intervals.

Coring: Side Wall Cores.

DST's: None.

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

Anticipated BHP:

From: 0	TO: 1270	Anticipated Max. BHP: 250	PSI
From: 1270-4810	TO:	Anticipated Max. BHP	2062 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None.

H₂S Zones Anticipated: None

Maximum Bottom Hole Temperature: 140° F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 30 days to drill the well with completion taking another 15 days.