

B. CEMENTING PROGRAM:

Surface casing: 500 sx Class "C" with 2% CaCl₂. (Yield 14.8 yld 1.32)

Intermediate Casing: 1000 sx Lite "C" with 10# Salt, ¼# Celloseal. (WT. 12.7 yld 1.98).
Tail with 250 sx Class "C" with 2% CaCl₂ (WT 14.8) yld 1.32)

Production Casing:

1st Stage: 175 sx Class "H" w/8# sx CSE + 0.6% CF 14 = 5# sx Gilsonite + 0.35% Thrifty lite. DV tool set at approximately 7100'.

2nd State: 425 sx Class "C" w/10# sx CSE, 1-4# sx cellocel. (Wt 11.5 yld 2.25) Tail w/300 sx "H", 8# sx CSE, 0.5% CF 14 = 035% Thrifty lite.

5. Mud Program and Auxiliary Equipment:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
Spud - 500'	FWGel//LCM	8.6-9.8	32-40	N/C
500' - 4200'	Brine	8.9-9.2	28	N/C
4200' -6500'	Cut Brine	8.9-9.4	28	N/C
6500' -8200'	Starch/Cut Brine	8.7-8.9	28	<10cc

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: 10' samples out from surface casing to TD.

Logging: CNL – FCD; TD to casing with GR/CNL to surface: DLL from TD to casing.

Coring: None anticipated

DST's: AS warranted.

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

Anticipated BHP:

From: 0	To: 500'	Anticipated Max. BHP:	215' PSI
From: 500'	To: 4200'	Anticipated Max. BHP:	1810' PSI
From: 4200'	To: 8200'	Anticipated Max. BHP:	3710' PSI

Abnormal Pressures Anticipated: None

Lost Circulation zones anticipated: None

H₂S Zones Anticipated: None

Maximum Bottom Hole Temperature: 125° F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 20 days to drill the well with completion taking another 7-10 days.