TESTING AND DRILL PROCEDURES

A. A test will be run on the wellhead equipment and on the BOP equipment before entering the Wolfcamp.

B. Pipe rams will be operated once each 24 hours, and blind rams will be operated on trips.

C. Approved close-in procedure will be posted on the rig floor.

D. Each rig crew will hold weekly BOP drills.

4. PROPOSED CASING PROGRAM

Size	Casing Seat	Footage	Grade	Wt. & Threads
13 3/8"	300'	300'	J-55	54.5# STC
8 5/8"	2500'	2300'	J-55	24# 8R STC
		200'	J-55	32# 8R STC
5 1/2"	9800'	4250'	J-55	15.5# 8R LTC
		2900'	J-55	17# 8R LTC
		2650'	N-80	17# 8R LTC
2 7/8"	9800'	9800'	N-80	6.5# 8R MOD

PROPOSED CEMENTING PROGRAM

A. Surface: Cement to the surface with 325 sks. Class C + 2% $CaCl_2$ + 0.25 lbs./sk. D29 Celloflakes.

B. Intermediate: Cement to the surface.
Lead: 540 sks. 35:65 POZ:A + 6% D20 bentonite + 8 lbs./sk. D44 Salt + 0.25 lbs./sk. D29 Celloflakes + 2% S1 $CaCl_2$.
Tail: 190 sks. Class C + 2% S1 $CaCl_2$.

C. Production: Precede the cement with 10 bbls. CW10 Chemical Wash. Cement back to 7300' with 420 sks. D.S. 10/10 Self Stress Class H + 0.7 gal./sk. D604A Saltbond II + 0.02 gal./sk. M45 Antifoam.

5. TYPE AND MUD SYSTEM CHARACTERISTICS

From	To	Type	Wt.	Vis.	Wtr. Loss	Oil
0	300	Spud Mud	9.0	35	N/C 10PH	
300	2500	Native Mud	9.0	32-33	N/C 10PH	4%
2500	7800	FW/Cut Brine	8.5-9.0	38	N/C 10PH	
7800	9000	Salt Mud	9.0	35	N/C 10PH	5%
9000	9800	Salt Mud	9.0-9.5	38	15cc 10PH	5%