III. GEOLOGICAL INFORMATION:

A. Ground Elevation:		3637	+ 3637
Estimated Formation Tops:	Yates	800	+ 2837
	Queen	1625	+ 2012
	Grayburg	2050	+ 1587
	San Andres	2380	+ 1257
	Wolfcamp	7150	- 3513
	Atoka	10000	- 6363
	Morrow	10250	- 6613
	Est. TD	10650	- 7013

IV. CEMENT PROGRAM:

Slurry designs included here are subject to change as hole and coverage conditions dictate.

A. Surface Casing: 13 3/8 in , 48 lb/ft, H40, set at 400 ft in 17 1/2 in hole.

1. Procedure: Run a guide shoe, one joint of casing, an insert float, and sufficient 13 3/8 in casing to land shoe at or below 400 ft. Strap weld shoe and first collar. Run a centralizer at the shoe and at top of 2nd and 4th joints.

2. Cementing: Cement with 415 sacks of Class "C" w/2% $CaCl_2$ mixed w/6.32 gwps for a slurry yield of 1.34 cu ft/sk. Record the following information for the New Mexico Oil Conservation Division Report:

   a) Volume of cement (in ft^3), brand name and additives, percent additives used, and sequence of placement if more than one slurry is used.
   b) Temperature of cement when mixed.
   c) Estimated minimum formation temperature in zone of interest.
   d) Estimate of cement compressive strength at time of drillout or test.
   e) Actual time that cement was in place at time of drillout or test.

3. Drillout and testing: WOC a minimum of 18 hours. Drill out to within +/- 10 ft of shoe. PU drillstring a minimum of 10 ft sufficient to close annular and test casing to 600 psig.

B. Intermediate Casing: 8 5/8 in, 32 lb/ft, J55 set at 2650 ft in 12 1/4 in hole.

1. Procedure: Run guide shoe, one joint of casing, float collar, and sufficient 8 5/8 in casing to land shoe at or below 2650 ft. Strap weld shoe and first collar. Run a centralizer at shoe and at top of 2nd and 4th joints.

2. Cementing: Cement with a lead slurry of 870 sacks of 35% POZ:65% Cl "C" w/ 5% salt plus 6% gel plus 1/4lb/sk of cello flakes mixed with 11.48 gwps for a yield of 2.07 cu ft /sk, followed with a tail slurry of 200sack of class "C" w/1% $CaCl_2$ mixed with 6.32 gwps for a yield of 1.32 cu ft/sk. Record the five parameters as above.