



Company The Superior Oil Co.  
Well Name Oscar State #1  
County Eddy County

Date February 20, 1979  
Location Sec. 36 - T 24S- R 29E  
For Mr. Eads  
State New Mexico

MUD RECOMMENDATIONS				CASING	FORMATION TOPS
Depth ft	Mud Weight ppg	Viscosity sec/qt	API Filtrate ml		
0-500'	8.4-9.5	35-45	No Control		20" @ 50' 16" @ 500' 10 3/4" @ 3350' 7 5/8" @ 11000' 5" @ 14300'
Spud mud. Consisting of Del Gel, flocculated with lime. Use paper and cotton seed hulls for seepage and loss circulation.				2000'	
500'-3350'	8.8-10	29-30	No Control	4000'	
Drill out with brine water treated with Ben-Ex and Drilling Detergent to prevent solids build up. Circulate a controlled section of reserve pit. Use paper for seepage control and paper and Del-S-Gel to sweep hole. Maintain pH with Caustic Soda.				6000'	
3350'-11,000'	8.6-9.3	30-32	No Control	8000'	
Drill out with fresh water and circulate controlled section of reserve pit. Use Ben-Ex and Drilling Detergent to prevent solids build up. Use paper to control seepage losses and paper and Del-S-Gel to sweep hole. Use Caustic Soda for pH.				10000'	
Note: Mud up usually not necessary, except to run pipe if hole conditions warrant. If so, mud up with Sea Mud/Del-S-Gel for 32-34 sec/10cc. Should pressure be encountered raise weight as needed with Del Bar.				12000'	
11000'-14300'	10-12.9	34-36	5cc	14000'	
Displace hole with 10 lb. brine and return circulation to steel pits. Add 3%-5% KCL and treat out hardness with Soda Ash. Mud up with Drispac (1 lb./bbl.) and Starlose (4 lb./bbl.) for base mud. When additional fluid density is required use Sea Mud (8lb/bbl.) and Del-S-Gel (6 lb./bbl.)- use Del Bar to raise weight as needed.				T.D.14300'	
Maintain pH with Caustic Soda and use Nut Plug and mica for seepage control.					