

**Milchem**

DRILLING FLUIDS RECOMMENDATIONS

Date June 11, 1981Company WAYNE MOORE Location Sec 23, R-25-S, T-27-EWell Name Amoco Fed #1 County Eddy State New Mexico

CASING PROGRAM

EXHIBIT G

Set 425 feet of 13-3/4"

Set 2900 feet of 8-5/8"

Set 8500 feet of 4-1/2"

RECOMMENDED DRILLING FLUIDS PROPERTIES

Depth	Mud Weight	Viscosity	API Filtrate		
0 - 425'	8.5-9.0	35-40	NC	Spud with MILGEL® and MIL-LIME®. If returns are lost, add Cottonseed hulls, CEDAR-PLUG® and Kwik Seal in a 15-20 lb/bbl slurry to regain. If returns are not regained after one attempt, dry drill.	
425 - 2900	10.0	28	NC	Drill out with brine water, adding MIL-LIME® for 9.5-10 pH. Add Paper-Ox as needed for loss. Sweep hole with Flosal or SALT WATER GEL® before running 8-5/8" to ensure proper casing seat.	
2900 - 8300	8.4-8.6	28	NC	Drill out with fresh water circulated through reserve pit. Maintain 9.5-10 pH with MIL-LIME® and sweep hole periodically with MILGEL®.	
8300 - 8500	8.5-8.9	36-40	15-20cc	Mud up through working pits with MILGEL® and MILCHEM®CMC, maintaining 9.5-10 pH with Caustic Soda and adding Soda Ash to reduce total hardness below 200 ppm. This fluid should ensure a clean hole and greatly enhance chances of getting logs to bottom.	