



Milchem^(R)

Drilling Fluids Recommendations

Mr. Jon Zeisloft/R. W. DIRKS

U. U. R. I./R. W. DIRKS ENGINEERING

U. S. GOVERNMENT #1

Bexar County, Texas

Charles R. Tovey Jr.
Staff Technical
Representative
May 12, 1983



Milchem®

Drilling Fluids Recommendations

Prepared For Mr. Jon Zeisloft/R.W. DIRKS Date May 12, 1983
 Company U. U. R. I./R. W. DIRKS ENGINEERING Location Lackland Air Force Base
 Well Name U. S. Government #1 County Bexar State Texas

CASING PROGRAM

10 3/4 in. @ 1100 ft. _____ in. @ _____ ft. _____ in. @ _____ ft.
 FRACTURE GRADIENT 12.1 lb/gal FRACTURE GRADIENT _____ FRACTURE GRADIENT _____

RECOMMENDED DRILLING FLUIDS PROPERTIES

Depth	Mud Weight	Viscosity	API Filtrate			
Spud - 1100	8.8-9.0	36-45	No Control			
	Build spud mud with SUPER-COL® (polymer-extended bentonite) and fresh water. (Calcium should be less than +300 mg/l.)					
1100 - 4200	9.0-9.4	40-45	20-12			
	Add SUPER-COL® to increase viscosity and aid in hole cleaning. Monitor hole conditions for signs of increasing pore pressure. Let hole conditions dictate maximum T.D. mud weight.					

Estimated Drilling Fluids Cost \$ \$+1,000

Estimated Days 4-6

Possible Drilling Problems:

*See logs for reference

References:
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