

# TEXAS MUD AND CHEMICAL CO.

P. O. BOX 1966

PHONE A/C 915/381-0400

ODESSA, TEXAS 79760

December 28, 1977

Depco, Inc.  
800 Central  
Odessa, Texas 79761

Attn: Mr. C. O. Bizzell

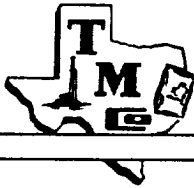
Dear Carl;

We are pleased to submit a Mud Program for your Sundance Federal # 1 - to be drilled in Sec. 3, T-12S, R-30E in Chaves County, New Mexico.

0 - 300'	T.M.C. Gel and Lime Vis. 40-45 for hole conditions.
300 - 2,650'	Drill with native mud, circulating reserve. Add Mud Seal as needed for seepage. Caustic for P.H. control. 9.5 - 10. Sweep hole with 100 bbl. slug. 45-50 Vis. to run pipe.
2,650 - 6,000'	Drill with fresh water, circulating reserve. Caustic for P.H. control, adding Mud Seal if needed for seepage.
6,000 - 7,000'	Add brine if needed to raise chloride to 100,000 P.P.M. Add Salt Gel and Visbestos to raise Vis. 33-34. Add 2-3% oil, also, 2-3% K.C.L. to go into Abo shale.
7,000 - 9,000'	Maintain Vis. 33-34, Lower W/L 20 cc or less for D.S.T. in Wolfcamp. Maintain 2-3% oil.
9,000 - T.D.	Maintain same characteristic and lower W/L to 5 cc to go into Marrow.
Drlg. Hazards:	Possible Abo shale heaving.
Est. Mud Cost:	\$20,000.00
Engineer:	J. F. (Red) Nimmons - Odessa - 915/381-0400 - Home 915/381-0600
Stock Point:	Lovington, New Mexico - call Odessa - 915/381-0400

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MAR 30 1978  
OIL CONSERVATION COMM.  
HOBBS, N. M.



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Thank you for the opportunity of submitting this program. We look forward to hearing from you soon.

Sincerely yours,

Leon Koonce, President  
TEXAS MUD AND CHEMICAL COMPANY

LK/bc

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MAR 5 0 1978  
OIL CONSERVATION COMM.  
HOHRS. N. M.