

## MUDCO INCORPORATED

SALES & SERVICE OF DRILLING MUDS  
SERVING WEST TEXAS AND NEW MEXICO  
August 31, 1976

Date Received AUG 4 1976			
PRODUCTION DEPARTMENT			
ROUTE TO	DATE	ROUTE TO	DATE
AFD		93E	
BSP			
BCH			
BHL ✓		QNA	
MBT		12E	
VRW		100	
CMS		SLM	
WC		PS	
CDS			
		FILE:	

Petroleum Corp. of Texas (Petco)  
P.O. Box 911  
Breckenridge, Texas 76024

Mr. Steve Lindley;  
Mr. Lowell Moore;

Dear Sirs:

Reference:

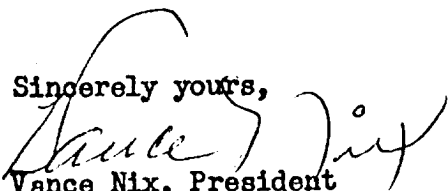
Well & mud program as requested by Mr. Lindley (Petco)  
For Contractor: W.E.K. Rig # 1 (Larry Arnold, pusher)

Two wells at Loco Hills, N.M. "Grayburg-San Andres" pay zone.

1. Drlg. 12 $\frac{1}{4}$ " surface hole to 510' approx. Rotary bushing measurement. with 10 ft. sub-struction. Set 8 $\frac{5}{8}$ " surface csg @ 500' approx.
2. No! Spud mud used! As 7 out of 10 times, will lose circulation in gravel & sand @ 270' to 400'. Drlg with no returns to csg. point. The above hole condition is reason for 12  $\frac{1}{4}$ " hole, so that 8  $\frac{5}{8}$ " csg. will run without difficulty, so will not have to spud or drive csg to bottom.
3. If cement is circulated it will still settle back, therefore 1 $\frac{1}{2}$  to 2 yards gravel should be used around top of 8  $\frac{5}{8}$ " csg. while W.O.C.
4. Out from under 8  $\frac{5}{8}$ " csg. with fresh water 7  $\frac{7}{8}$ " bit using bichromate as inhibitor for casing & drill pipe, use initially first day drlg, one sack (100") then  $\frac{1}{2}$  sack (50") daily (24hours) thereafter w/drlg.
5. If no water flow start mud up @ 100' above T.D. through rig pits (only) w/salt gel, mud seal paper and super visbestos, for 35-36 viscosity (no w.l. control), circulate hole clean for open hole elect. log.
6. If you have water flow, drlg. to T.D. pull out 5 stands D.P. (up in the clear) build the above mud in rig pit, run D.P. back to bottom and load hole with mud pull out, run logs.

Thank you for calling.

Sincerely yours,

  
Vance Nix, President