



POST OFFICE BOX 5525

MIDLAND, TEXAS 79701

(915) 682-6872

Company: Rhonda Operating CompanyDate: February 14, 1980Well Name  
and number: Federal 33 #1AProposed Depth: 5100ft.Location: 660' FWL 1980 FSL Section 33 Township 9-S Range 38 East  
Lea County, New MexicoCasing Surf: 8 5/8 at 420' Inter.                      Prod. 4 1/2 at 5100'

RECOMENDED MUD PROERTIES				
Depth feet	Weight Lb/Gal	Viscosity Sec.	Filtrate ml.	Treatment
0-420	8.4	34-40	N.C.	Spud Mud
420-4500	10	31-33	N.C.	Native Mud Viscosity 31-33 5cc/1000cc W/Water at the Flowline, paper for seepage Oil 4-6% for lubricity.
4500 total depth	10	34-40	N.C.	15cc Lower filtrate to 15cc or less with starch 3-4ppb. Viscosity 34-40 5cc/1000cc

Remarks: Estimated tops  
ANHY (2290)  
Yates (2923)  
S.A. (4193)  
Slaughter Zone 1. (4916)  
                          2. (4956)  
                          3. (5016)

Estimated Cost: \$5,000.00 to \$7000.00 Without severe hole problems.

the above recommendations are statements of opinion only, and are made  
without any warranty of any kind as to preformance and without assumption  
of any liability by Mesa Mud Company or it's agents.