

INCA FEDERAL NO. 1  
Section 19: T18S, R32E  
Lea County, NM

MUD PROGRAM

SURFACE 12½" hole, 8 5/8" Casing 24# @350'

DRILL WITH NATIVE MUD ADDING GEL & LIME AS NEEDED FOR SUFFICIENT VISCOSITY  
TO INSURE CLEAN HOLE TO RUN CASING.

SLIGHT ADDITION OF PAPER FOR SEEPAGE.

PRODUCTION 7 7/8" hole, 5½" Casing 15.5# @5500'

DRILL WITH 10.1# BRINE. CIRCULATE IN RESERVE PIT FOR SETTLING OF SOLIDS.  
ADD LIME FOR PH @10 FOR CORROSION PROTECTION OF DRILL STRING.

ADD STARCH & SALT GEL FOR PROPERTIES AS FOLLOWS:

VISCOSITY... 32 - 38 sec/1000  
WEIGHT..... 9.8 - 10#/gal  
PH..... 8+  
FILTRATE.... 20 cc or LESS

AT T.D. MIX A MUD PILL IN WORKING PITS TO SWEEP HOLE TO HAVE VISCOSITY  
@40 SEC/1000 TO INSURE LOGGING & CLEAN HOLE FOR CASING.

ESTIMATED COST FOR MUD, NO PROBLEMS, NOT TO EXCEED \$5,000.00. THIS COST  
MAY VARY DEPENDING ON THE RIG AND RATE OF PENETRATION.

RECEIVED  
APR 6 1987  
OCD  
HOURS OFFICE