

TENNECO OIL COMPANY
DRILLING PROGNOSIS

LEASE: USA-Trigg

WELL NO: 1

DISTRICT: Midland

FIELD: Lusk Strawn

PROJECTED TD: 12,430'

ESTIMATED ELEVATION: 3605'

LOCATION: 1650' FS & WL of Section 8, T-19-S, R-32-E, Lea County, New Mexico

DRILLING, CASING AND CEMENTING:

1. Drill 17 $\frac{1}{2}$ " hole to approximately 900'.
2. Cement 13 3/8", 48#/ft, H-40, ST&C casing @ 900' w/sufficient 50-50 Incor Pozmix w/2% CaCl₂ to circulate. (Estimate 500 sx required.) Run bar centralizers on float shoe and bottom 3 joints. A regular float shoe and baffle in 1st collar should be used.
3. If float valve holds, release pressure, WOC 8 hrs. and nipple up.
4. After WOC 12 hrs., pressure test csg w/1000 psi for 30 min. and drill out.
5. Drill 12 $\frac{1}{4}$ " hole to approximately 4600'.

NOTE: Loss of circulation may be encountered between 2700' and 3500'. If severe at this location, hole may be "dry drilled" to intermediate point between 4200' and 4600' or air equipment may be used. Do not exceed 20,000# bit weight and 60 rpm until drill collars are below casing shoe. Air equipment, if used, shall be at contractor's expense.

6. At Intermediate Point, Run 8 5/8" casing as follows:

0 - 100'	-	32#/ft, J-55, ST&C
100 - 2600'	-	24#/ft, J-55, ST&C
2600 - 4600'	-	32#/ft, J-55, ST&C

A guide shoe will be used with insert float in second collar. Weld-on bar centralizers will be run on shoe and first two collars.

7. Cement with 200 sx 50-50 Pozmix-Incor w/6% gel followed by 100 sx Incor w/2% gel. All cement to contain 2% calcium chloride. Condition mud ahead of cement with 1# Sodium Bicarbonate & 0.2# caustic soda per bbl.
8. If float holds, land casing as cemented, release pressure and nipple up BOP. WOC 12 hrs., pressure test casing to 1000 psi for 15 min. and drill out cement. Do not exceed 20,000# weight on bit and 60 rpm until all drill collars are below casing shoe.