

TENNECO OIL COMPANY
DRILLING PROGNOSIS

LEASE: USA-Trigg

WELL NO.: B-1

DISTRICT: Midland

FIELD Inak Strawn

PROJECTED TD: 11,800

ESTIMATED ELEVATION: 3640 DF

LOCATION: 1980' FEL & 660' FEL of Section 8, T-19-S, R-34-E, Lea County, New Mexico

DRILLING, CASING AND CEMENTING:

1. Drill 1 7/8" hole to approximately 900', or into 15 feet of anhydrite.
2. Cement 13-3/8", 48#/ft, H-40, ST&C casing @650' w/sufficient 50-50 Incoor Pozmix w/2% CaCl_2 to circulate. Run bar centralizers on float shoe and bottom 3 joints. A guide shoe and insert float will be run.
3. If float valve holds, release pressure, WOC 6 hrs, install B.O.P., and nipple up.
4. After WOC 12 hrs., pressure test csg w/1000 psi for 30 min. and drill out.
5. Drill 11" hole to approximately 4200'.

NOTE: Loss of circulation may be encountered between 3000' 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 company 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 - 4200' - 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-Incoor w/6% gel followed by 100 sx Incoor w/2% gel. All cement to contain 2% calcium chloride. Condition mud ahead of cement with 1# Sodium Bichromate & 0.2# caustic sod 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.
9. Drill 7-7/8" hole to approximately 11,800'.
10. Run 4 1/2" casing as follows:

0 - 3,300' - 11.6 H-80, IT&C
3300 - 8,000' - 11.6 J-55, ST&C
8000 - 11,800' - 11.6 H-80, IT&C