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TENNECO OIL COMPANY
PROGNOSIS TO DRILL AND COMPLETE

RECEIVED
JUN 8 1961
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

Lease: E. W. Jennings, Inc. -USA

Well No.: 1

District: Hobbs

Field: Hodson Ranch Area

Location: 1980' FNL & 660' FWL, Section 29, T-25-S, R-33-E, Lea County, New Mexico

Projected Horizon: Delaware Sand

Estimated TD: 5800'

Estimated Elevation: 3590' GL

Drilling, Casing, and Cement:

1. Drill 12 1/4 hole to approx 350'.
2. Cement 8 5/8 csg at approx 350' w/sufficient volume to circulate. Use 50-50 Pozmix 'S' and regular w/2% gel and 2% Calcium Chloride (slurry weight 14.6 to 14.8 lbs/gal).
3. WOC 24 hrs. Release pressure and install BOP after 12 hrs. Pressure test csg w/600 psi after WOC 18 hrs.
4. Drill 7 7/8 hole to Delaware Sand core point at approx 5000'. Exact core depth to be determined by wellsite Geologist.
5. Core from 5000' to 5800' w/6 13/16 diamond core bit.
6. Set 4 1/2 csg at TD and cement w/100 sx 50-50 Pozmix 'S' and regular w/2% gel (slurry weight 14.6 to 14.8 lbs/gal) followed by 50 sx of regular Latex cement (slurry weight 15 lbs/gal).
Prior to running csg the mud system will be treated w/2 sx Sodium Bichromate. Precede cement w/20 bbls lime water.
7. WOC 18 hrs. Run temperature survey. Release pressure if float holds, otherwise, hold pressure on csg. for 8 hrs.
8. Run tbg. and pressure test csg. w/1500 psi for 30 minutes after 18 hrs.
9. Displace water w/oil.
10. Proceed w/completion prognosis (to be determined at TD).

Drilling Mud:

1. Drill w/fresh water native mud to TD. Mud properties will be adjusted to meet requirements for good samples, coring and drill stem tests. Prior to coring or running a drill stem test, the mud should have the following properties. Viscosity 35-40, water loss 10cc or less in 30 minutes, filter cake 2/32 or less.
2. No oil will be added without consent of wellsite Geologist.

Coring:

1. Four cores will be cut from 5000' to 5800'.

Drilling Time:

1. Record 1' drilling time from surface to TD using geolograph.
2. Record 2' drilling time in addition to geolograph while coring.

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Drill Pipe Measurements:

1. Tally drill pipe on last two trips prior to reaching casing point.
2. Tally drill pipe in strain under company supervision at all casing points, coring points, drill stem test points, and at TD.

Samples:

1. Catch one set of 10' drilling samples from 3750' to TD unless otherwise directed by wellsite Geologist.
2. No time lag will be made in catching samples and 15 minute circulating samples will be caught for a period of one hour while circulating unless otherwise directed by wellsite Geologist.
3. Samples will be washed thoroughly, sacked, and labeled as directed by the wellsite Geologist.
4. Two one-quart samples will be caught and labeled of any fluid recovered by drill stem tests.

Hole Deviation

1. Run hole deviation every [illegible]' on surface hole.
2. Run hole deviation survey on each trip for bit or every 500', whichever occurs sooner.
3. Maximum hole deviation from surface to TD will be 5 degrees.
4. If hole deviation changes more than 1 1/2 degrees in any 100' interval, a string reamer will be run to wipe out dog leg.
5. If hole deviation changes more than 2 degrees in any 100' interval, the hole must be plugged back and straightened out.

Logs:

1. Run [illegible] log from csg to TD and [illegible] from approx [illegible] to TD.
2. Run [illegible] survey on [illegible] 1/2" csg string after WOC & hrs.
3. Run [illegible] correlation log through pay section after cementing [illegible] csg.

Completion:

[illegible] equivalent at TD.

APPROVED [illegible]

[illegible]

[illegible]

[illegible]