

MAR 30 1962

(SUBMIT IN TRIPLICATE)

E. W. STANLEY
DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

New Mexico

Land Office

0131404

Lease No.

Unit

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SUNDRY NOTICES AND REPORTS ON WELLS

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|---|-------------------------------------|---|--|
| NOTICE OF INTENTION TO DRILL..... | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF..... | |
| NOTICE OF INTENTION TO CHANGE PLANS..... | | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF..... | | SUBSEQUENT REPORT OF ALTERING CASING..... | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE..... | | SUBSEQUENT REPORT OF ABANDONMENT..... | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING..... | | SUPPLEMENTARY WELL HISTORY..... | |
| NOTICE OF INTENTION TO ABANDON WELL..... | | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

J. D. Senn, Jr.-UMA

March 30,

1962

Well No. 2 is located 2310 ft. from N line and 990 ft. from E line of sec. 28

NW 1/4, SW 1/4, Sec. 28

25-S

32-E

RPM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Paduca Delaware

Lea

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

Ground Level

The elevation of the derrick floor above sea level is 3377 ft. Est.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

See attached program and plate

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Tenneco Oil Company

Address Box 307

Hobbs, New Mexico

By

A. W. Lang

Title

District Production Superintendent

TENNECO OIL COMPANY
PROGNOSIS TO DRILL AND COMPLETE

Lease: J. D. Senn, Jr.-USA

Well No.: 2

District: Hobbs

Field: Paduca Delaware

Location: 2310' FBL & 990' FVL of Sec. 28, T-25-S, R-32-E, Lea Co., New Mexico

Projected Horizon: Delaware Sand

Estimated TD: 4800'

Estimated Elevation: 3377' GL

Drilling, Casing, & Cement:

1. Drill 12-1/4" hole to approx. 350'.
2. Cement 8-5/8", 24#, J-55 csg w/insert float collar at approx. 350' w/sufficient volume to circulate. Use Incon High Early Portland cmt containing 2% HA-5; slurry wt will be 14.85#/gal. Pumping time is 1 hr 12 min.

Record the following data:

- A. Volume of cmt slurry (cubic feet).
 - B. Brand name of cmt and additives, percent additives used, and sequence of placement if more than one type cmt slurry is used.
 - C. Approx. temperature of cmt slurry when mixed.
 - D. Actual time cmt in place prior to starting csg test.
3. If float valve holds, release pressure after WOC 4 hrs and nipple up.
 4. WOC a total of 8 hrs, pressure test csg w/1000 psi for 30 min and drill out cmt.
 5. Drill 7-7/8" hole to Delaware Sand core point at approx 4625'. Exact core depth will be determined by company exploitation engineer.
 6. Core from top of Delaware Sand to TD (approx 150') with a 6-13/16" x 3-1/2" diamond core head. Run junk basket on last two trips prior to coring point.
 7. Set 4-1/2", 9.5#, J-55 at TD w/150 sx of 90-90 posmix "S" w/2% gel (Slurry wt 14.6#/gal to 15#/gal) and 50 sx reg cmt containing latex. (Slurry wt 14.5#/gal to 15#/gal).

NOTE:

- A. Clean portion of csg that will be across pay zone w/mill scale remover.
- B. Prior to running csg, treat mud system w/2 sx of Sodium Dichromate.
- C. Proceeds cmt w/20 bbls of lime wtr.
8. If float valve holds, release rig when top plug is down.
9. WOC 8 hrs and run temperature survey.
10. MUDU, run tag, displace wtr w/oil and pressure test csg w/1500 psi for 30 min after WOC a minimum of 18 hrs.
11. Completion program to be determined at TD.

Drilling Mud:

1. Drill w/fresh wtr and native mud to approximate coring depth. Prior to coring, the mud should have the following properties:

[illegible]

Figure 1. The effect of the concentration of the H_2O_2 solution on the amount of the released H_2O from the H_2O_2 -loaded hydrogel. The amount of the released H_2O was measured by the weight difference of the hydrogel before and after the release. The concentration of the H_2O_2 solution was 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 wt. %.

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- A. Type: Salt Gel
 - B. Viscosity: 35-40 sec/qt.
 - C. Water Loss: 10 cc or less
 - D. Filter Cake: 2/32 or less
- NOTE: Do not suspend drilling operations to mix mud.

Drilling Time:

1. Record 1' drilling time from surface to TD w/a geolograph or equivalent recorder.
2. Driller will record 5' drilling time from 4500' to coring point or as specified by company exploitation engineer.

Drill Pipe Measurement:

1. Tally drill pipe on last trip prior to reaching coring point.
2. Tally drill pipe under company supervision at all casing points, casing points, and at TD.

Samples:

1. Catch one set of 10' samples from 4500' to TD unless otherwise specified by company exploitation engineer.
2. Catch circulating samples as specified by company exploitation engineer.
3. All samples will be washed, sacked, labeled, and tied in bundles of 100'.

Hole Deviation:

1. Run slope test every 100' on surface hole.
2. Run slope test on each trip for bit or every 500', whichever occurs sooner.
3. 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.
4. If hole deviation changes more than 2 degrees in any 100' interval, the hole shall be plugged back and straightened out.
5. Maximum allowable hole deviation is shown below.

| <u>Depth</u> | <u>Deviation</u> |
|--------------|------------------|
| 0 - 2000 | 2 degrees |
| 2000 - 3000 | 3 degrees |
| 3000 - 4000 | 4 degrees |
| 4000 - TD | 5 degrees |

Surveys:

1. Run GR-Sonic log from base of surface csg to TD w/detailed section as required.

1. The first step in the process of determining the value of a company is to determine the value of its assets.

2. The second step is to determine the value of the company's liabilities.

3. The third step is to determine the value of the company's equity.

4. The fourth step is to determine the value of the company's debt.

5. The fifth step is to determine the value of the company's cash and equivalents.

6. The sixth step is to determine the value of the company's other assets.

7. The seventh step is to determine the value of the company's other liabilities.

8. The eighth step is to determine the value of the company's other equity.

9. The ninth step is to determine the value of the company's other debt.

10. The tenth step is to determine the value of the company's other cash and equivalents.

| Assets | Liabilities |
|-------------------------|----------------------|
| 1. Cash and equivalents | 1. Accounts payable |
| 2. Accounts receivable | 2. Notes payable |
| 3. Inventory | 3. Other liabilities |
| 4. Other assets | 4. Equity |

11. The eleventh step is to determine the value of the company's other equity.

12. The twelfth step is to determine the value of the company's other debt.

Programs to Drill and Complete
J. B. Dunn, Jr.-HMA Well No. 2
Page 3

2. Run Intervalog through detailed section.
3. Run temperature survey in production cog after WOC 8 hrs.
4. Run Gamma-Ray log w/collar locator through pay section for perforating control.

Completion:

To be determined at TD.

ORIGINAL SIGNED BY:
C. W. NANCE

APPROVED:

C. W. Nance

**ORIGINAL
SIGNED BY**

A. W. LANG

APPROVED:

A. W. Lang

KLC/al

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

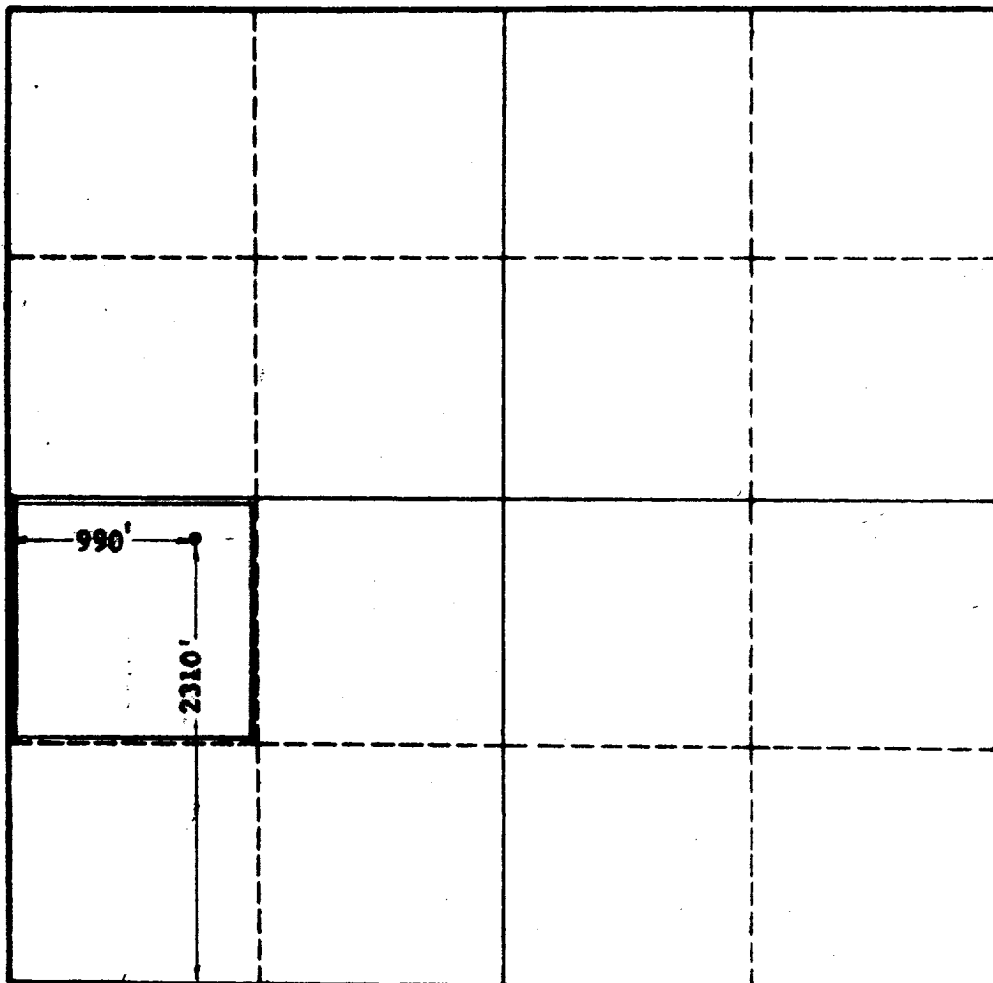
SECTION A

| | | | | |
|---|---|----------------------------------|---------------------------------------|----------------------|
| Operator TENNECO OIL COMPANY | | Lease J. D. SENA USA | | Well No. 2 |
| Unit Letter L | Section 28 | Township 25 SOUTH | Range 32 EAST | County LEA |
| Actual Footage Location of Well: 2310 feet from the SOUTH line and 990 feet from the WEST line | | | | |
| Ground Level Elev. 3577 Hgt. | Producing Formation Delaware Sand | Pool Delaware Delaware | Dedicated Acreage: 40 Acres | |

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

| Owner | Land Description |
|-------|------------------|
| | |

SECTION B



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name **A. W. Lang**
Position **Dist. Production Supt.**
Company **Tenneco Oil Company**
Date **March 30, 1962**

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR
Date Surveyed OF **11-24-1961**
Register Professional Engineer and/or Land Surveyor **JOHN W. WEST**
Certificate No. **18**
N.M. J.C.E. NO. 676

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