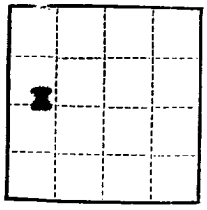
Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

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

Land Office New Mexico
Lease No. 013148
Unit L

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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. Sena, Jr.-USA — March 30, 19 62

Well No. 2 is located 2310 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 28

NW 1/4, SW 1/4, Sec. 28 (¼ Sec. and Sec. No.) | 25-S (Twp.) | 32-E (Range) | NMPM (Meridian)

Paduca Delaware (Field) | Lea (County or Subdivision) | New Mexico (State or Territory)

The elevation of the ~~derrick floor~~ Ground Level 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 plats

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

Company Texaco Oil Company

Address Box 307

Hobbs, New Mexico

By A. V. Lang

Title District Production Superintendent

GPO 862040

TENNECO OIL COMPANY
PROGNOSIS TO DRILL AND COMPLETE

Lease: J. D. Sena, Jr.-USA Well No.: 2

District: Hobbs Field: Paduca Delaware

Location: 2310' FSL & 990' FWL 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 Incor High Early Portland cmt containing 2% HA-5; slurry wt will be 14.8#/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 50-50 pozmix "H" 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 Bichromate.
   C. Precede 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. NUBOU, run tbg, 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:

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, coring 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.

Depth	Deviation
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.

[illegible] Drilling Program
[illegible]
[illegible]

1. Type [illegible]
2. [illegible]
3. Water loss: 15 cc or less
4. Filter cake: 2/32 or less
5. [illegible] will not suspend drilling operations to mix mud.

[illegible]

1. [illegible] drilling, [illegible] TD [illegible] of equivalent [illegible].
2. Operator must record all drilling time from 4500' to coring point or as directed by company exploration engineer.

[illegible]

1. Steel line drill pipe on each trip prior to reaching coring point.
2. Steel line drill pipe under company supervision at all coring points, [illegible] and at TD.

Samples

1. [illegible] samples from 4500' to TD unless otherwise [illegible] by company exploration engineer.
2. Catch circulating samples as specified by company exploration engineer.
3. All samples will be washed, sacked, labeled, and tied in bundles [illegible].

[illegible]

1. Run [illegible] at [illegible] surface hole.
2. Run [illegible] for six or every [illegible], whichever [illegible].
3. If hole deviation changes more than 1-1/2 degrees in any 100' interval, drilling reamer will be run to wipe out dog leg.
4. If hole deviation changes more than 2 degrees in any 100' interval, [illegible] shall be plugged back and straightened out.
5. Maximum allowable hole deviation is shown below.

Deviation	Depth
[illegible] degrees	[illegible]
[illegible] degrees	[illegible]
[illegible] degrees	[illegible]
[illegible] degrees	[illegible]

[illegible]

1. [illegible] from base of surface casing to TD w/dual induction [illegible]

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

Completion:

To be determined at TD.

APPROVED: ORIGINAL SIGNED BY: C. W. NANCE
C. W. Nance

APPROVED: ORIGINAL SIGNED BY A. W. LANG
A. W. Lang

ELC/ml

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator	Lease	Well No.
TENNECO OIL COMPANY	J. D. SENA USA	2

Unit Letter	Section	Township	Range	County
L	28	25 SOUTH	32 EAST	LEA

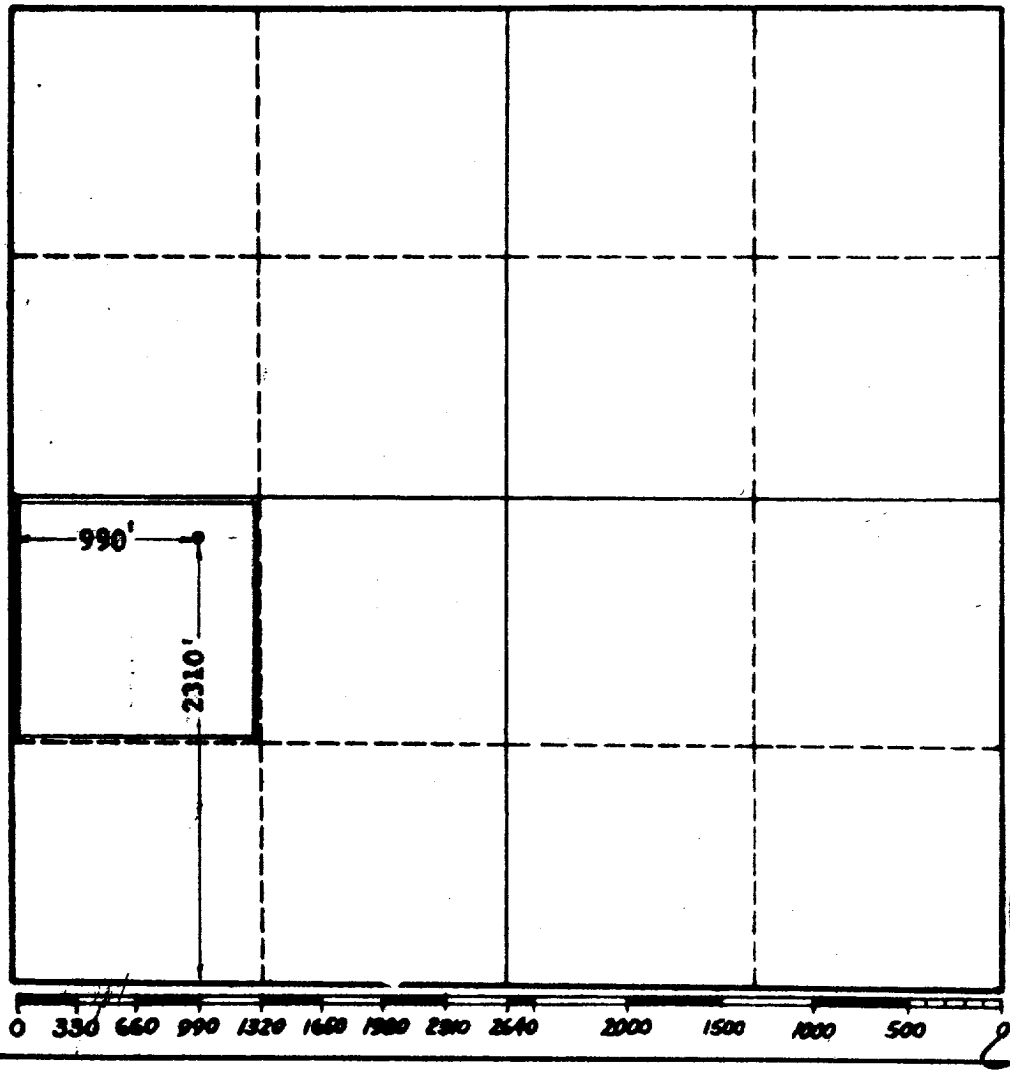
Actual Footage Location of Well:
2310 feet from the SOUTH line and 990 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3377 Unk.	Delaware Sand	Undesignated Delaware	40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X 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.

Date Surveyed: 11-24-1961

Registered Professional Engineer and/or Land Surveyor: JOHN W. WEST

Certificate No. N.M. JOHN W. WEST NO. 676

REG. PROF. ENGINEER & LAND SURVEYOR STATE OF NEW MEXICO