APPROVED

AUG 23 1962

E. W. STANDLEY
DISTRICT ENGINEER

HOBBS

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Form Approved.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1962 AUG 23 AM 9 53

Land Office Las Cruces
Lease No. LC 062269-A
Unit G

AUG 23 1962

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)

August 22, 1962

U. S. Smelting-USA
Well No. 4 is located 2310 ft. from {N/S} line and 1650 ft. from {E/W} line of sec. 22

SW/4 NE/4 Sec. 22 (¼ Sec. and Sec. No.) | 24-S (Twp.) | 32-E (Range) | NMPM (Meridian)

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

Ground Level
The elevation of the ~~derrick floor~~ above sea level is 3600 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 prognosis and plats attached.

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

Company TENNECO CORPORATION BY ITS MANAGING AGENT TENNECO OIL COMPANY

Address P. O. Box 307

Hobbs, New Mexico

By R. G. Jones

Title District Office Supervisor

GPO 914974

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

HOBBS OFFICE OCC

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

1962 AUG 23 AM 9:53

US SMELTING USA

Operator		Well No.
TENNECO OIL COMPANY		4

Unit Letter	Section	Township	Range	County
G	22	24 SOUTH	32 EAST	LEA

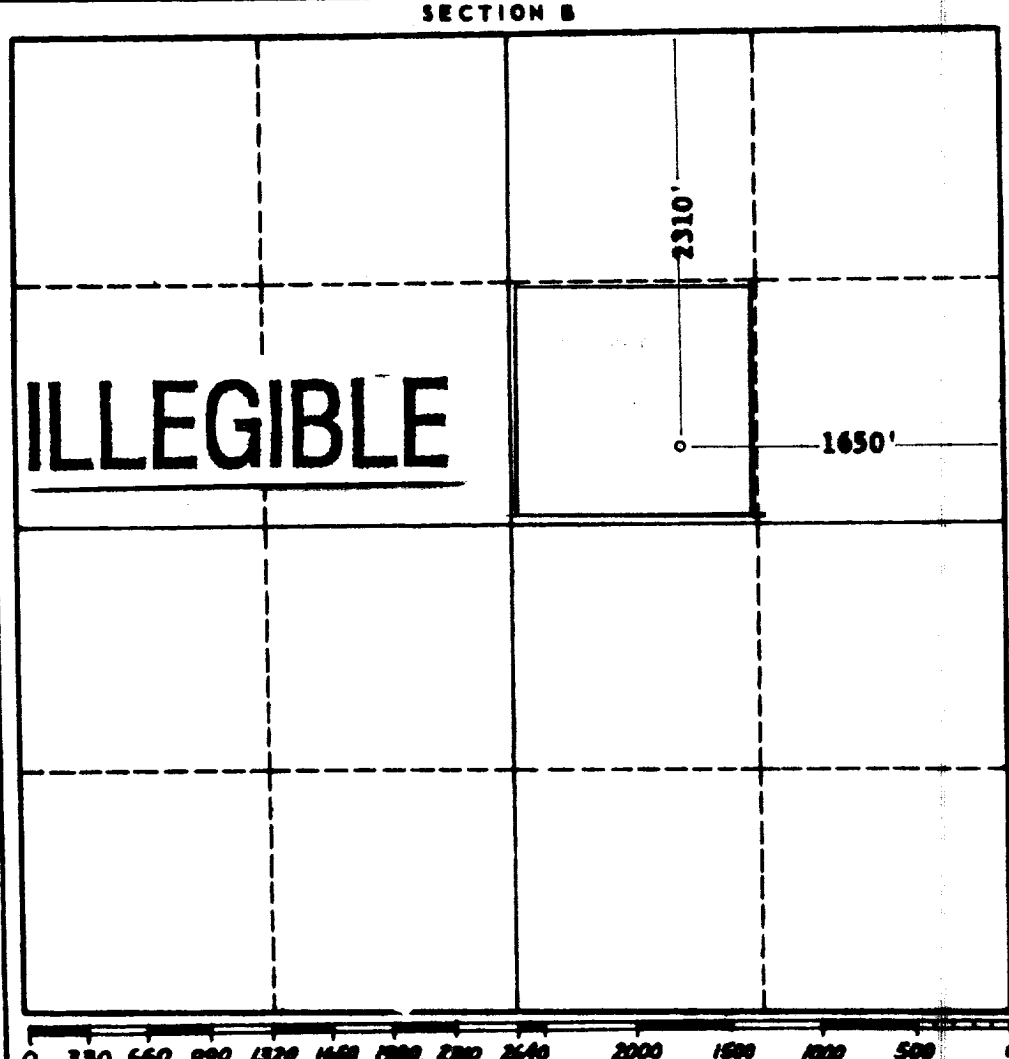
Actual Footage Location of Well: 2310 feet from the NORTH line and 1650 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3600 est.	Delaware Sand	Undesignated	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 C. S. Jones

Position Area Office Supervisor

Company Tenneco Oil Company

Date August 22, 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 7-24-62

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

Certificate No. 676

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR STATE OF NEW MEXICO

TENNECO OIL COMPANY
PROGNOSIS TO DRILL AND COMPLETE

Lease: U. S. Smelting-USA Well No.: 4

District: Hobbs Field: Double X Delaware

Location: 2310' FNL & 1650' FEL of Sec. 22, T-24-S, R-38-E, Lea County, New Mexico

Projected Horizon: Delaware Sand

Estimated TD: 5030' Estimated Elevation: 3600' 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 14.85#/gal. Pumping time is 1 hr 12 min.

   Record the following data:

   A. Volume of cmt clurry (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.

NOTE: When drilling out cement the weight on the bit should not exceed 20,000# and the rotary speed should not exceed 60 RPM until the top of the D.C. are below the base of the casing.

5. Drill 7-7/8" hole to Delaware Sand core point. Approximate core depth 4880'. Exact core depth will be determined by company exploitation engineer.
6. Core from top of Delaware Sand to TD (approx 150') with a 7-13/16 X 4-3/8 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 "S" w/2% gel (Slurry weight should be 15#/gal) and 50 sx reg cmt containing latex. (Slurry wt should be 14.5#/gal).

NOTE:

   A. Prior to running csg, treat mud system w/2 sx of Sodium Bichromate.
   B. 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. RUDDU, 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 mid.

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 4750 to coring point or as specified by company exploitation engineer.

Drill Pipe Measurement:

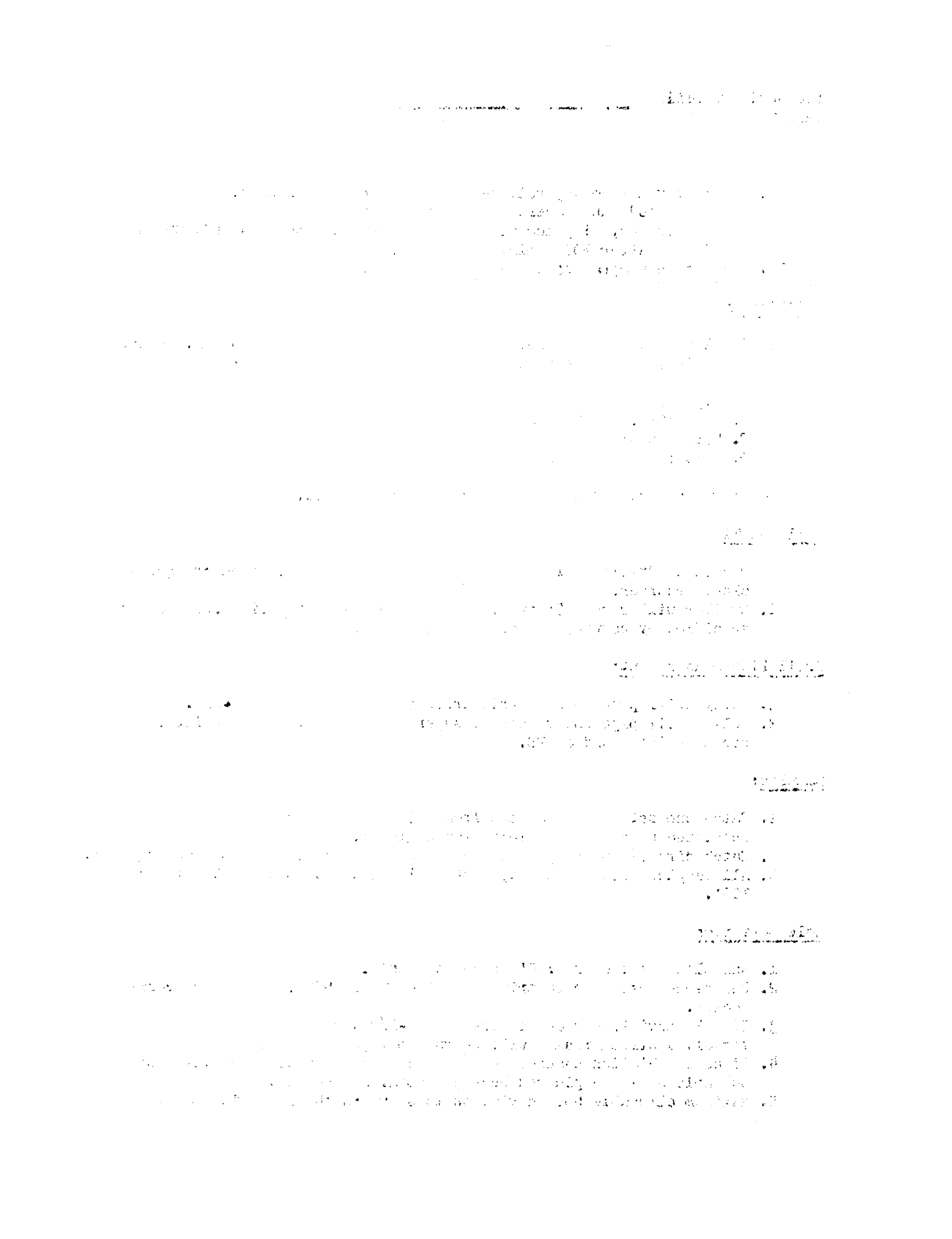
1. Tally drill pipe on last trip prior to reaching coring point.
2. Tally drill pipe under company supervision at all casing points, coring points, and at TD.

Samples:

1. Catch one set of 10' samples from 4750 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 on the following page.



Depth	Deviation
0 - 1000	1 degree
1000 - 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.
2. Run Laterolog 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: C. W. Nance
C. W. Nance

APPROVED: A. W. Lang
A. W. Lang