

ILLEGIBLE

YANKEE OIL AND GAS COMPANY
INCORPORATED IN TEXAS

Lease: B. L. Amelting - 13A

Well No. 1

District: Hobbs

Field: Double "X" Area

Location: 560' x 1980' P.M., Sec. 22, T-28-N, R-32-E, Lea Co., New Mexico.

Projected Horizon: Delaware Sand

Estimated P.M. 5100'

Estimated Elevation: 3570' M.S.L.

Drilling, Casing and Cement:

1. Drill 12 1/4" hole to approximately 350'.
2. Cement 3 5/8" casing at approximately 350' w/sufficient volume to circulate.
3. Run 24 hrs. Release pressure and install 100' after 12 hrs. Pressure test casing w/800 psi after 12 hrs.
4. Drill 7 7/8" hole to Delaware Sand core point at approximately 4875'. Exact core depth to be determined by wellsite geologist.
5. Core from 4875' to 5075' w/ 13/16" diamond core bit.
6. At Delaware Sand found to be productive, set 5 1/2" casing at 10' and cement w/100 sacks of 50-50 cement "B" and regular w/2% gal and 50 sacks of regular latex cement.
7. Run 12 hrs. Run temperature survey. Release pressure if float holds; otherwise, hold pressure on casing for 8 hours.
8. Run tubing and pressure test casing w/1500 psi for 30 minutes after 12 hrs.
9. Displace water w/oil.
10. Proceed with completion prognosis (to be determined at 70).

Drilling Mud:

1. Drill w/fresh water active mud to 70. 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 10 cc 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 to be cut from 4875' to 5075'.

Drill Stem Tests:

1. Two drill stem tests may be run in the Delaware Sand between 4875' and 5075'.

Drilling Time:

1. Record 1' drilling time from surface to 10' using Geolograph.
2. Record 2' drilling time in addition to Geolograph while coring.

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 4750' 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 the 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.

Estimated Formation Tops:

T/Hustler	1100
N/Salt	4623
T/Lamar	4065
T/Delaware	4395
T/Kansas	4918
T/Iord	4268
T/Olds	4995

ILLEGIBLEHole Deviation:

1. Run hole deviation every 100' on surface hole.
2. Run hole deviation survey on each trip for bit or every 100', whichever occurs sooner.
3. Maximum hole deviation from surface to TD shall be 1 degree.
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 shall be plugged back and straightened out.

Survey:

1. Run geologic log from casing to TD and laterolog from approximately 4850' to TD.
2. Run temperature survey on 5 1/2" casing string after 24 hours.
3. Run geologic correlation log through pay section after cementing 5 1/2" casing.

Completion: To be determined at total depth.

APPROVED:

ORIGINAL SIGNED BY:
C. W. NANCE

C. W. Nance

ORIGINAL
SIGNED BY

A. W. LANG

APPROVED:

A. W. Lang

10/10/63

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 Tennessee Gas Transmission Co.		Lease U.S. Smelting U.S.A.		Well No. 531
Unit Letter B	Section 22	Township 24 South	Range 32 East	County Lea
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the East line				
Ground Level Elev. 3570 est.	Producing Formation Delaware Sand	Pool Undesignated	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 _____

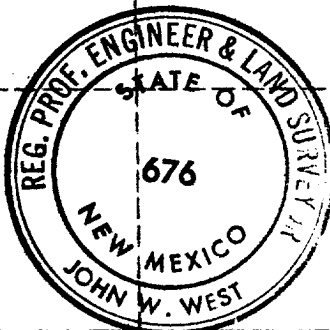
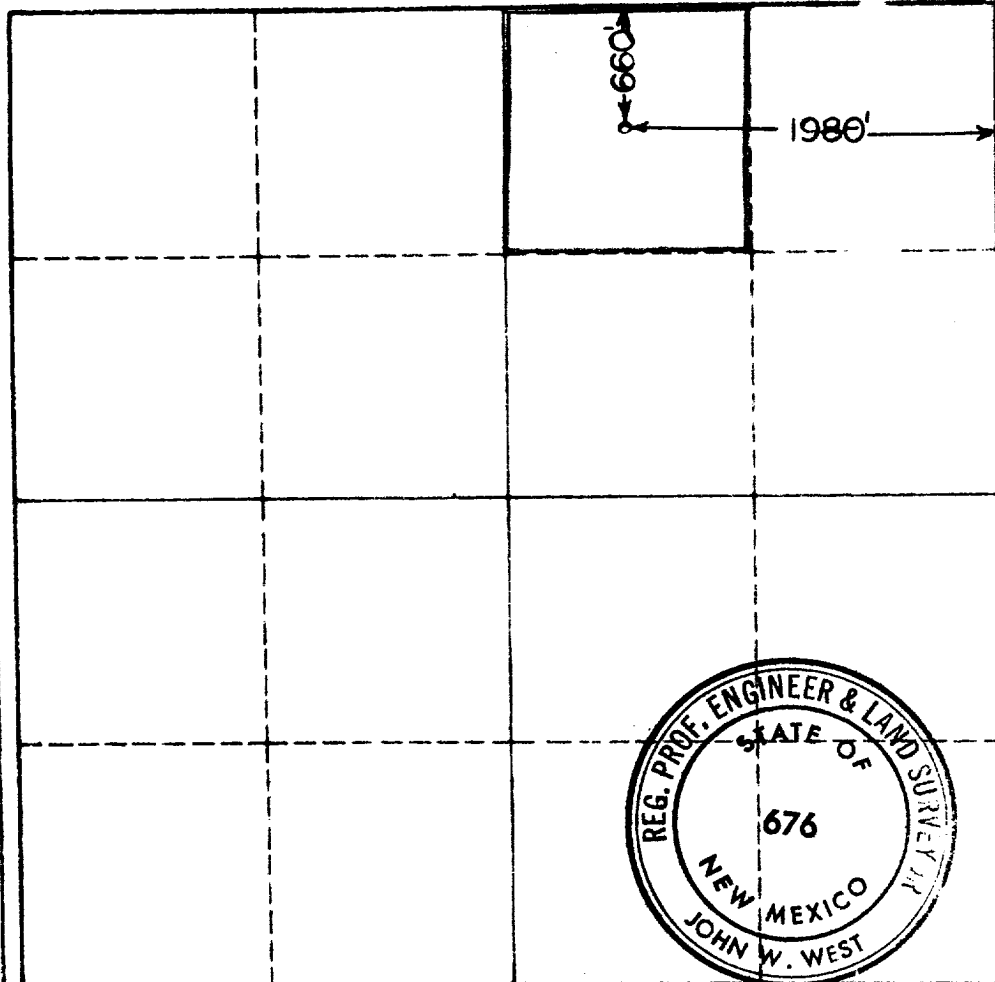
Owner	Land Description

DEC 13 1960

U. S. GEOLOGICAL SURVEY

HOBBBS, NEW MEXICO
 CERTIFICATION

SECTION B



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

Name **A. H. Long**
 Position **District Production Supt. Company**
Tennessee Gas Trans. Co.
 Date **December 12, 1960**

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 **12-5-60**
 Registered Professional Engineer and/or Land Surveyor, **JOHN W. WEST**
 Signature **John W. West**
 Certificate No. **N. M. - P. E. & L. S. NO. 676**

0 350 640 990 1320 1660 1980 2300 2640 2000 1500 1000 500 0