

Santa Fe, New Mexico 7

100

WELL KNOWN

Mail to District Office, Oil Conservation Commission, to which Form O-101 was sent not later than twenty days after completion of the Oil Conservation Rules and Regulations of the Commission. Submit in QUINTUPLES to District Office and submit 6 Copies

TEXACO Inc.

State of New Mexico "O" NCT-1

.....  
(Company or Operator)

Well No. 15, in NE 1/4 of SE 1/4, of Sec. 36, T. 17-S, R. 34-E, NMPM.

Vacuum Glorieta & Vacuum Rlinebry Pool, Lea County.

Well is 560 feet from East line and 1800 feet from South line

of Section 36 If State Land the Oil and Gas Lease No. is P-155-1

Drilling Commenced..... November 26....., 19<sup>63</sup>..... Drilling was Completed..... December 15....., 19<sup>63</sup>.....

Name of Drilling Contractor.....Cactus Drilling Company.....

Address..... P. O. Box 32 - Midland, Texas

Elevation above sea level at Top of Tubing Head 3996' (D. F.) The information given is to be kept confidential until  
May 19 64

## OIL SANDS OF ZONTS

See Attached Sheet.

No. 1, from.....to..... No. 4, from.....to.....

No. 2, from.....to..... No. 5, from.....to.....

No. 3, from.....to..... No. 6, from.....to.....

Drilled with rotary tools and no water sands tested.

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.

No. 2, from.....to.....feet.

No. 3, from.....to.....feet.

No. 4, from.....to.....feet.

### CASING RECORD

| Casing Records |                 |             |        |              |                     |              |              |
|----------------|-----------------|-------------|--------|--------------|---------------------|--------------|--------------|
| SIZE           | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SHOE | CST AND PULLED FROM | PERFORATIONS | PURPOSE      |
| 11 3/4"        | 42.00           | NEW         | 1539'  | HOWCO        | NONE                | NONE         | Surface      |
| 8 5/8"         | 24.00           | NEW         | 3289'  | HOWCO        | NONE                | NONE         | Intermediate |
| 2 7/8"         | 6.40            | NEW         | 6904'  | HOWCO        | NONE                | see attached | Production   |
| 2 7/8"         | 6.40            | NEW         | 6898'  | HOWCO        | NONE                | see attached | Production   |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 15"          | 11 3/4"        | 1550'     | 1000                | HOWCO       |             |                    |
| 11"          | 8 5/8"         | 3300'     | 900                 | HOWCO       |             |                    |
| 7 7/8"       | 2 7/8"         | 6915'     | 600                 | HOWCO       |             |                    |
| 7 7/8"       | 2 7/8"         | 6909'     | 600                 | HOWCO       |             |                    |

### RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

See attached sheet

Result of Production Stimulation..... See attached sheet

|                        |       |
|------------------------|-------|
| Depth Cleaned Out..... | 6915' |
| BL - PBTD              | 6908' |
| GL - PBTD              | 6903' |

Mr.

RECORD OF DEEP-SEA AND SPECIAL TRENDS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 6915 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing December 21, 1963  
OIL WELL: The production during the first 24 hours was see attached sheet barrels of liquid of which % was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity See attached sheet  
GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.  
Length of Time Shut in - -

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

| Southeastern New Mexico |       | Northwestern New Mexico |                       |
|-------------------------|-------|-------------------------|-----------------------|
| T. Anhy                 | 1470' | T. Devonian             | T. Ojo Alamo          |
| T. Salt                 | 1615' | T. Silurian             | T. Kirtland-Fruitland |
| B. Salt                 | 2680' | T. Montoya              | T. Farmington         |
| T. Yates                | 2790' | T. Simpson              | T. Pictured Cliffs    |
| T. 7 Rivers             |       | T. McKee                | T. Menefee            |
| T. Queen                | 3700' | T. Ellenburger          | T. Point Lookout      |
| T. Grayburg             |       | T. Gr. Wash             | T. Mancos             |
| T. San Andres           | 4500' | T. Granite              | T. Dakota             |
| T. Glorieta             | 5864' | T.                      | T. Morrison           |
| T. Drinkard             |       | T.                      | T. Penn               |
| T. Blinberry            | 6500' | T.                      | T.                    |
| T. Abo                  |       | T.                      | T.                    |
| T. Penn                 |       | T.                      | T.                    |
| T. Miss                 |       | T.                      | T.                    |

FORMATION RECORD

| From                                                          | To   | Thickness in Feet | Formation    | From                 | To | Thickness in Feet | Formation |
|---------------------------------------------------------------|------|-------------------|--------------|----------------------|----|-------------------|-----------|
| 0                                                             | 380  | 380               | Caliche      |                      |    |                   |           |
| 380                                                           | 1470 | 1090              | Redbed       |                      |    |                   |           |
| 1470                                                          | 1615 | 145               | Anhy         |                      |    |                   |           |
| 1615                                                          | 2680 | 1065              | Anhy & Salt  |                      |    |                   |           |
| 2680                                                          | 2790 | 110               | Anhy & Shale |                      |    |                   |           |
| 2790                                                          | 3840 | 1050              | Anhy & Lime  |                      |    |                   |           |
| 3840                                                          | 4930 | 1090              | Lime         |                      |    |                   |           |
| 4930                                                          | 5085 | 155               | Lime & Sand  |                      |    |                   |           |
| 5085                                                          | 5398 | 313               | Lime         |                      |    |                   |           |
| 5398                                                          | 5690 | 292               | Lime & Chert |                      |    |                   |           |
| 5690                                                          | 6320 | 630               | Lime         |                      |    |                   |           |
| 6320                                                          | 6915 | 595               | Lime & Sand  |                      |    |                   |           |
| TD                                                            | 6915 |                   |              |                      |    |                   |           |
| PBTD BL                                                       | 6908 |                   |              |                      |    |                   |           |
| PBTD GL                                                       | 6903 |                   |              |                      |    |                   |           |
| All measurements from rotary table or 10' above ground level. |      |                   |              | Estimate Number 6330 |    |                   |           |
|                                                               |      |                   |              | 6 -MMOCC             |    |                   |           |
|                                                               |      |                   |              | 1 -STATE LO-Santa Fe |    |                   |           |
|                                                               |      |                   |              | 1 -Field             |    |                   |           |
|                                                               |      |                   |              | 1 -File              |    |                   |           |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator TEXACO Inc. Address P. O. Box 728 - Hobbs, New Mexico  
Name H. D. Raymond Position or Title Assistant District Superintendent  
H. D. Raymond January 22, 1964

State of New Mexico "O" NCT-1 Well Number 15

Spudded 15" Hole 6:00 P. M. November 26, 1963. Ran 1539' of 11 3/4" O. D. Casing and cemented at 1550' with 800 Sx 4% gel class "C" cement and 200 Sx. Class "C" regular cement. Plug at 1519'. Cement Circulated. Tested before and after drilling plug for 30 minutes with 600 P. S. I. Tested O. K. Job complete 6:00 A. M. December 1, 1963.

Ran 3289' of 8 5/8" O. D. Casing and cemented at 3300' with 750 Sx. 1:1 Diamix with 8% gel and 150 Sx. regular cement. Plug at 3266'. Tested before and after drilling plug for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 9:45 A. M. December 4, 1963.

Blinebry Zone: Ran 6904' of 2 7/8" O. D. Casing and cemented at 6915', plug at 6908'.

Glorieta Zone: Ran 6898' of 2 7/8" O. D. Casing and cemented at 6909', plug at 6903'.

Cemented down both strings with 300 Sx. Class "C" 8% gel and 300 Sx. Class "C" 4% gel with 500 gal mud acid ahead of cement. Plump plugs down in each string with 500 gals acetic acid. Tested for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 1:30 P. M. December 17, 1963.

GLORIETA ZONE: Perforate 2 7/8" O. D. Casing with one jet shot per interval 5998', 5999', 6000', 6008', 6009', 6010', 6030', and 6031'. Acidize with 1000 gals acetic acid. Swab well. Re-acidize with 3000 gals retarded acid. Test well.

On 24 Hour Potential Test well flowed thru 12/64" Choke ending 6:00 P. M. December 22, 1963, 204 BO and 19 BBLs Water.

GOR - 506

Gravity - 39.1

Top of Pay - 5998'

Btm of Pay - 6031'

NMOCC Date - December 15, 1963.

TEXACO Inc. Date - December 22, 1963.

BLINEBRY ZONE: Perforate 2 7/8" O. D. Casing with one jet shot per interval, 6681', 6696', 6783', 6848', 6877', and 6898'. Acidize with 500 gals acetic acid, 3000 gals retarded acid. Swab well. Frac with 15,000 gals refined oil, 13,000 lbs sand with 400 cu ft CO<sub>2</sub> per bbl. Swab well. Test well.

On 24 Hour Potential Test well pumped 14 BO, 66 BBLs Water, ending 2:00 P. M. January 21, 1964.

GOR - TSTM

Gravity - 39.3

Top of Pay - 6681'

Btm of Pay - 6898'

NMOCC Date - December 15, 1963.

TEXACO Inc. Date - January 21, 1964.