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NEW MEXICO OIL CONSERVATION COMMISSION, C. C.  
Santa Fe, New Mexico  
DEC 5 3 52 PM '63

# WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE. If State Land submit 6 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

TEXACO Inc. State of New Mexico "AE"

(Company or Operator) (Lease)

Well No. 19, in NW 1/4 of NW 1/4, of Sec. 11, T. 18-S, R. 34-E, NMPM.  
Vacuum Abo Reef Pool, Lea County.

Well is 660 feet from North line and 660 feet from West line  
of Section 11. If State Land the Oil and Gas Lease No. is B-1258-1.

Drilling Commenced October 29, 1963. Drilling was Completed November 30, 1963

Name of Drilling Contractor Marcum Drilling Company  
Address P. O. Box 5094, Midland, Texas

Elevation above sea level at Top of Tubing Head 4021 (DF). The information given is to be kept confidential until March 1963.

See Attached Sheet

## OIL SANDS OR ZONES

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

| SIZE    | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS | PURPOSE      |
|---------|-----------------|-------------|--------|--------------|---------------------|--------------|--------------|
| 11-3/4" | 42.0#           | New         | 342'   | Baker        | None                | None         | Surface      |
| 8-5/8"  | 24.0#           | New         | 3263'  | Baker        | None                | None         | Intermediate |
| 2-7/8"  | 6.4#            | New         | 9039'  | Baker        | None                | See Attached | Production   |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. BAGS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|--------------------|-------------|-------------|--------------------|
| 15"          | 11-3/4"        | 355'      | 300                | B&J         |             |                    |
| 11"          | 8-5/8"         | 3276'     | 1600               | B&J         |             |                    |
| 7-7/8"       | 2-7/8"         | 9050'     | 1600               | B&J         |             |                    |

## 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 9050

PBTD 9041

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

TOOLS USED

Rotary tools were used from 0 feet to 9050 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing December 4, 19 63

OIL WELL: The production during the first 24 hours was 655 barrels of liquid of which 100 % was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity 37.4°

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 1723'           | T. Devonian    | T. Ojo Alamo            |  |
| T. Salt 1890            | T. Silurian    | T. Kirtland-Fruitland   |  |
| B. Salt 2830            | T. Montoya     | T. Farmington           |  |
| T. Yates 3034           | T. Simpson     | T. Pictured Cliffs      |  |
| T. 7 Rivers             | T. McKee       | T. Menefee              |  |
| T. Queen 4095           | T. Ellenburger | T. Point Lookout        |  |
| T. Grayburg             | T. Gr. Wash    | T. Mancos               |  |
| T. San Andres 4948      | T. Granite     | T. Dakota               |  |
| T. Glorieta             | T.             | T. Morrison             |  |
| T. Drinkard             | T.             | T. Penn                 |  |
| T. Tubbs                | T.             | T.                      |  |
| T. Abo Reef 8662        | 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    | 355  | 355               | Caliche & Redbeds |      |    |                   |                |
| 355  | 1770 | 1415              | Redbed & Anhy.    |      |    |                   |                |
| 1770 | 3261 | 1491              | Anhy & Salt       |      |    |                   |                |
| 3261 | 3276 | 15                | Anhy              |      |    |                   |                |
| 3276 | 3368 | 92                | Anhy & Lime       |      |    |                   |                |
| 3368 | 5636 | 2268              | Lime              |      |    |                   |                |
| 5636 | 5818 | 182               | Lime & Sand       |      |    |                   |                |
| 5818 | 6864 | 1046              | Lime              |      |    |                   |                |
| 6864 | 6910 | 46                | Lime & Chert      |      |    |                   | Estimate #6328 |
| 6910 | 7335 | 425               | Lime & Sand       |      |    |                   | NMOCC 6        |
| 7335 | 9050 | 1715              | Lime              |      |    |                   | Santa Fe 1     |
|      | 9050 |                   | Total Depth       |      |    |                   | Field 1        |
|      | 9041 |                   | Plug Back Depth   |      |    |                   | File 1         |

All measurements from Rotary Table or 10' above ground level.

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.

December 5, 1963

Company or Operator TEXACO Inc.

Address P. O. Draw 728, Hobbs, New Mexico

Name J. G. Blevins, Jr.

Position or Title Assistant District Superintendent

STATE OF NEW MEXICO "AE" NO. 19

Spudded 15" hole 5:45 P.M. October 29, 1963.

Ran 342' of 11-3/4" casing cemented at 355' with 300 sx of regular cement. Plug at 325', cement circulated. Tested before and after drilling plug for 30 minutes with 600 psi. Tested O.K. Job complete 9:00 P.M. October 30, 1963.

Ran 3263' of 8-5/8" OD casing cemented at 3276' with 1600 sx Class "C" Neat cement. Plug at 3250', cement circulated. Tested before and after drilling plug for 30 minutes with 1500 psi. Tested O.K. Job complete 10:15 P.M. November 4, 1963.

Ran Acoustic Velocity log December 1, 1963 in open hole.

Ran 9039' of 2-7/8" OD casing and cemented at 9050' with 1300 sx of 8% gel and 300 sx of 4% gel cement, flushed with 1000 gals of mud flush ahead of cement. Used FRA in the first 500 sx. Pumped plug down with 500 gals acetic acid, plug at 9020'. Tested casing for 30 minutes with 1500 psi. Tested O.K. Job complete 8:30 A.M. December 3, 1963.

Abo Reef Zone - Ran correlation log and perforated 2-7/8" casing with one jet shot per interval at 8771', 8781', 8810', 8828', 8842', 8860', 8870', 8883', 8889', 8920', 8930', 8942'. Acidize perforations from 8871' to 8942' with 9000 gals 15% LSTNE acid in 9 stages with one ball sealer between stages with 500 cu. ft. of CO<sub>2</sub> per barrel. Well flowed.

On 7 hour potential test ending 11:00 P.M. December 4, 1963, well flowed 191 BNO and no water through a 3/4" choke. (24 hour calculated rate 655 bbls. Allowable 117 BOPD).

GOR - 1056

Gravity - 37.4°

Top of Pay - 8871'

Bottom of Pay - 8942'

NMOCC Date - November 30, 1963

TEXACO Inc. Date - December 4, 1963