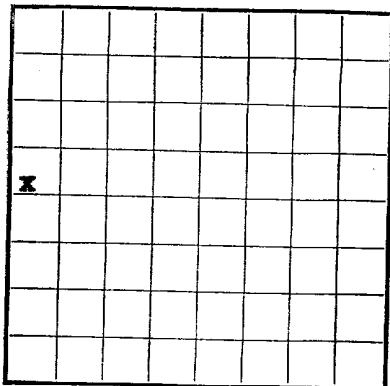


U. S. LAND OFFICE Las CrucesSERIAL NUMBER 032104

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company TEXACO Inc. Address P.O. Box 352 - Midland, Texas
Lessor or Tract A. H. Minebry NCT-1 Field Drinkard State New Mexico
Well No. 13 Sec. 29 T. 22-S R. 38-E Meridian NM Minebry County Lea
Location 2310 ft. N of N Line and 330 ft. E of W Line of Section 29 Elevation 3385' (DF)
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date May 25, 1961

Signed

Title Assistant District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling January 20, 1961 Finished drilling February 18, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from See attached sheet 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

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|-------------|-----------------|------------------|------|--------|--------------|---------------------|------------|------|--------------|
| | | | | | | | From— | To— | |
| 13 3/8" | 48.00 | 8-R | H-40 | 296 | Howco | None | None | None | Surface |
| 9 5/8" | 36.00 | 8-R | J-55 | 2939 | Howco | None | None | None | Intermediate |
| 7" | 24.00 | 8-R | J-55 | 3672 | Howco | None | None | None | Production |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 13 3/8" | 310 | 100 | Howco | | |
| 9 5/8" | 2950 | 2000 | Howco | | |
| 7" | 6828 | 600 | Howco | | |

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

TOOLS USED

Rotary tools were used from _____ feet to 7000 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 25, 1961 Put to producing May 15, 1961

The production for the first 24 hours was 401 barrels of fluid of which 76 % was oil; _____ %
emulsion; 24 % water; and _____ % sediment. Gravity, °Bé. Drinkard -- 37.5
Minebry -- 40.0

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Roy Solomon, Driller C. L. Gray, Driller
M. F. Young, Driller _____, Driller

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|--|----------------|------------|-------------|
| 0 | 130 | 130 | Caliche |
| 130 | 1232 | 1102 | Redbed |
| 1232 | 1315 | 83 | Anhy |
| 1315 | 2750 | 1435 | Anhy & Gyp |
| 2750 | 3427 | 677 | Lime |
| 3427 | 3736 | 309 | Anhy & Lime |
| 3736 | 4730 | 994 | Lime |
| 4730 | 5620 | 890 | Lime & Sand |
| 5620 | 7000 | 1380 | Lime |
| Total Depth | 7000 | | |
| Open hole | 6828' to 7000' | | |
| All Measurements from Rotary Table or 10' Above Ground Level | | | |
| Estimate No. 7326 | | | |
| 4 - U.S.G.S. | | | |
| 1 - NMOC | | | |
| 1 - Division | | | |
| 1 - Field | | | |
| 1 - File | | | |

(OVER)

FORMATION RECORD—CONTINUED

16-48094-4

FORMATION RECORD—Continued

(OZEE)

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------------------------------------|-----|--------------|--------------------|
| Formation Tops | | | |
| | | | Anhy 1232' |
| | | | T Salt 1315' |
| | | | B Salt 2460' |
| | | | Yates 2594' |
| | | | San Andres 4024' |
| | | | Glorieta 5154' |
| | | | Tubb 6090' |
| | | | Drinkard 6427' |
| Deviation Record | | | |
| | | Depth | Degrees Off |
| | | 300' | 1/4 |
| | | 700' | 1/2 |
| | | 1192' | 1/2 |
| | | 1652' | 1/4 |
| | | 2409' | 1 |
| | | 2710' | 1 |
| | | 3310' | 1/4 |
| | | 3570' | 1/2 |
| | | 3984' | 1/2 |
| | | 4385' | 3/4 |
| | | 4579' | 1 |
| | | 4800' | 3/4 |
| | | 5340' | 3/4 |
| | | 5830' | 1/2 |
| | | 6142' | 1 |
| | | 6300' | 1/4 |
| | | 6610' | 1/2 |
| | | 6958' | 1/4 |
| | | 7000' | 1/4 |
| SPORLING RECORD | | | |
| SPACING AND VOLUMES | | | |
| MIDDING AND CEMENTING RECORD | | | |

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

A. H. BLINEBRY NCT-1 WELL 13

Spudded 17 1/2" hole 5:30 A.M. January 20, 1961. Ran 296' of 13 3/8" O.D. Casing and cemented at 310' with 400 sx. Regular. Plug at 282'. Cement circulated. Tested before and after drilling plug for 30 minutes with 800 PSI. Tested O.K. Job complete 1:00 A.M. January 24, 1961.

Ran 2939' of 9 5/8" O.D. Casing and cemented at 2950' with 2000 sx. Plug at 2900'. Cement circulated. Tested before and after drilling plug for 30 minutes with 1000 PSI. Tested O.K. Job complete 5:30 A.M. January 31, 1961.

DST No. 1 5157' to 5178', tool open 1 hr. with Fair Blow Air. Recovered 360' sulphur water, slight trace oil. 30-MISI-1805. IF-90, FF-200, 30-MFSI-1650, Hi-2335, Ho-2335, job complete February 8, 1961.

Ran 3692' of 7" O.D. Liner, hung in 9 5/8" O.D. Casing at 2857', cemented at 6828', Bottom with 400 sx., top with 200 sx. Tested top and bottom of liner before and after drilling plug for 30 minutes with 1000 PSI. Tested O.K. Job complete 1:30 P.M. February 20, 1961.

Drinkard Zone

Acidize open hole 6828' to 7000' with 3000 gals 15% LST NEA. Swab well. Re-acidize with 9000 gals 15% LST NEA.

Blinebry Zone

Perforate 7" Liner with 2 jet shots per ft. 6705' to 6714', 6723' to 6738', 6748' to 6754', and 6781' to 6788'. Acidize with 2000 gals 15% LST NEA. Squeeze with 300 sx perforate with 2 jet shots per ft. 5705' to 5714', 5723' to 5738', 5748' to 5754', and 5781' to 5788'. Acidize with 2000 gals 15% LST NEA. Frac with 15,000 gals refined oil and 22,500 lbs. sand.

Paddock Zone

Perforate 7" Liner with 2 jet shots per ft. 5157' to 5166'. Acidize with 500 gals 15% LST NEA. Swab well. Squeeze perforations with 150 sx. cement. Perforate 7" Liner with 2 jet shots per ft. 5141' to 5148'. Acidize with 500 gals 15% LST NEA. Swab well, 100% formation water, with only trace of oil. Squeeze perforations with 300 sx. Latex based cement. sand jet 3 holes at 5160'. Acidize with 500 gals 15% LST NEA. Swab dry. Re-acidize with 500 gals 15% LST NEA. Swab well. Re-acidize with 1500 gals 15% LST NEA. Swab well. Squeeze perforations with 350 sx. cement.

DRINKARD Zone Test

on 24 hr. PT Well flowed 64 BO and 49 BW thru 30/64" choke ending 3:00 P.M. May 23, 1961.

GOR - 3600

Gravity - 37.5

Top of Pay - 6828'

Btm of Pay - 7000'

U.S.G.S. Date - February 18, 1961

TEXACO Inc. Date - May 23, 1961

Blinebry Zone Test

on 24 hr. PT Well flowed 241 BO and 47 BW thru 22/64" choke ending 3:00 P.M. May 23, 1961.

GOR - 1690

Gravity - 40

Top of Pay - 6705'

Btm of Pay - 6788'

U.S.G.S. Date - February 18, 1961

TEXACO Inc. Date - May 23, 1961