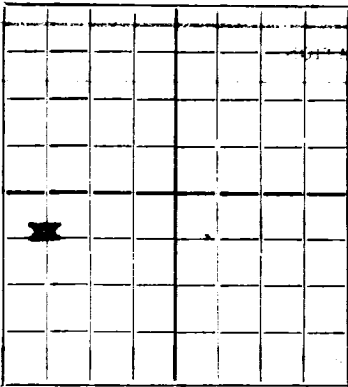


N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



AREA 640 ACRES
LOCATE WELL CORRECTLY

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

The Texas Company

H.T.Mattern

Company or Operator _____ Lease _____
Well No. 1 in SW 1/4 of Sec. 20, T. 19 S
R. 37 E, N. M. P. M., Monument Field, Lea County.
Well is 3300 feet south of the North line and 4620 feet west of the East line of Section 20.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is H.T.Mattern, Trustee, Address 418 Archibald St., Kansas City, Missouri.
If Government land the permittee is _____ Address _____
The Lessee is The Texas Company, Address Box 2332, Houston, Texas.
Drilling commenced November 16, 1935 Drilling was completed January 2, 1936
Name of drilling contractor Oil Well Drilling Co., Address 1123 Athletic Club Bldg., Dallas, Texas.
Elevation above sea level at top of casing 3663 feet, ground.
The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

| | |
|--|--|
| No. 1, from <u>3845</u> to <u>3880</u> | No. 4, from <u>3950</u> to <u>3965</u> |
| No. 2, from <u>3880</u> to <u>3910</u> | No. 5, from _____ to _____ |
| No. 3, from <u>3910</u> to <u>3950</u> | No. 6, from _____ to _____ |

IMPORTANT WATER SANDS

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

| |
|---|
| No. 1, from <u>Surface water</u> to _____ feet. |
| No. 2, from <u>at 80'.</u> to _____ feet. |
| No. 2, from _____ to _____ feet. |
| No. 4, from _____ to _____ feet. |

CASING RECORD

| SIZE | WEIGHT PER FOOT | THREADS PER INCH | MAKE | AMOUNT | KIND OF SHOE | CUT & FILLED FROM | PERFORATED FROM TO | PURPOSE |
|----------------|-----------------|------------------|--------------|--------------|------------------|-------------------|--------------------|---------|
| <u>12 1/2"</u> | <u>50</u> | <u>8</u> | <u>Lapw.</u> | <u>258'</u> | <u>Tex. Pat.</u> | | | |
| <u>9-5/8"</u> | <u>40</u> | <u>8</u> | <u>3mls.</u> | <u>1367'</u> | <u>Baker</u> | | | |
| <u>7"OD</u> | <u>24</u> | <u>10</u> | <u>"</u> | <u>3611'</u> | <u>Larkin</u> | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|--------------|---------------------|--------------------|-------------|--------------------|
| | <u>12 1/2"</u> | <u>268'</u> | <u>250</u> | <u>Halliburton</u> | | |
| | <u>9-5/8"</u> | <u>1376'</u> | <u>800</u> | <u>"</u> | | |
| | <u>7"</u> | <u>3626'</u> | <u>400</u> | <u>"</u> | | |
| | | | | | | |
| | | | | | | |

PLUGS AND ADAPTERS

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

RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|----------|------|-----------------------|-------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

For chemical treatments - See reverse side hereof.

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS SEE REVERSE SIDE

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 surface feet to 3965' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing January 10, 1936
at rate of 24 hrs
The production of the first 24 hours was 536 barrels of fluid of which 99.7 % was oil; 3/10 % emulsion; _____ % water; and _____ % sediment. Gravity, Be 30
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____ Gas Oil ratio 1680:1.

EMPLOYEES

| | | | |
|---------------------|---------|-------------------|---------|
| <u>J. C. George</u> | Driller | <u>Pat Ballew</u> | Driller |
| <u>R. W. Rikli</u> | Driller | | Driller |

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this 24th
day of January, 19 36
W.E. Chapman
Notary Public.
My Commission expires 5-31-37

Wink, Texas, January 24, 1936.
Place Date
Name W.E. Chapman
Position Division Superintendent
Representing The Texas Company
Company or Operator
Address Box K, Wink, Texas.

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|---|
| 0 | 20 | 20 | Caliche |
| 20 | 30 | 10 | Sand |
| 30 | 80 | 50 | Caliche |
| 80 | 100 | 20 | Gravel - SURFACE WATER AT 80'. |
| 100 | 300 | 200 | Red shale & gray sand |
| 300 | 650 | 350 | Red shale |
| 650 | 750 | 100 | Red & Gray sand |
| 750 | 1288 | 538 | Red sandy & limsy shale - TOP ANHYDRITE 1288'. |
| 1288 | 1315 | 27 | White anhydrite |
| 1315 | 1330 | 15 | Red salty shale |
| 1330 | 1400 | 70 | White anhydrite & brown lime - TOP MAIN SALT 1400'. |
| 1400 | 2470 | 1070 | Salt section |
| 2470 | 2500 | 30 | Anhydrite, some salt |
| 2500 | 2570 | 70 | Salt & anhydrite - BASE OF SALT 2570'. |
| 2570 | 2620 | 50 | Anhydrite, tr br lime |
| 2620 | 2750 | 130 | Anhydrite, sd & lime |
| 2750 | 3330 | 580 | Br lime, anhydrite & tr gray-green sand & bentonite. |
| 3330 | 3430 | 100 | Sand, anhydrite & br lime |
| 3430 | 3470 | 40 | Anhydrite, br dolo & bentonite |
| 3470 | 3540 | 70 | Br dolo & anhydritic sand |
| 3540 | 3570 | 30 | Buff dolo & sand - TOP MAIN LIME SECTION 3540'. |
| 3570 | 3700 | 130 | Br & buff dolo, some anhydritic sd. |
| 3700 | 3720 | 20 | Bluish & W dolo |
| 3720 | 3770 | 50 | Buff & W dolo, tr sd. |
| 3770 | 3845 | 75 | Buff & W crystalline porous dolo - TOP OIL SATURATED ZONE 3845'. |
| 3845 | 3875 | 30 | Buff, slightly por dolo OIL |
| 3875 | 3880 | 5 | Buff dolo OIL |
| 3880 | 3910 | 30 | Buff, crystalline por dolo OIL |
| 3910 | 3925 | 15 | Buff coarsely crystalline por dolo OIL |
| 3925 | 3934 | 9 | Buff crystalline por dolo OIL |
| 3934 | 3950 | 16 | Buff coarsely crystalline por dolo OIL |
| 3950 | 3962 | 12 | Buff coarsely crystalline oolitic dolo OIL |
| 3962 | 3965 | 3 | Buff coarsely crystalline dolo OIL |
| | 3965 | | TOTAL DEPTH. |

RECORD OF DRILL-STEM AND SPECIAL TESTS

DST #1 - 3417' to 3450' - Very slight show of gas, 45'
of drilling fluid.

RECORD OF SHOOTING OR CHEMICAL TREATMENT

12-29-35 T.D. 3942' Acidized with 2000 gals. Dowell XX from
3842' to 3942'.
After first treatment well filled up 2000 feet but would not
flow.

12-31-35 T.D. 3942' Acidized with 4000 gals. Dowell XX from
3842' to 3942'.
After second treatment well flowed 5 hours at rate of 23 bbls
per hour with gas oil ratio of 2626'.

1-7-36 T.D. 3965' Acidized with 2000 gals. Dowell XX from
3837' to 3965'.
After third treatment well flowed at rate of 336 bbls per day
with gas oil ratio of 1680.