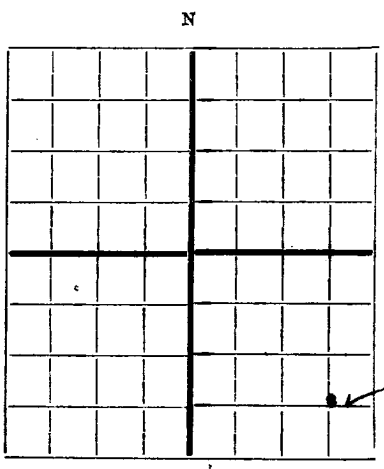
FORM C-105




AREA 640 ACRES
LOCATE WELL CORRECTLY



# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Stanolind Oil and Gas Company; P. O. Box "F"; Hobbs, New Mexico
Company or Operator. Address

D. E. Howse "B" Well No. 1 in SE/4 SE/4 of Sec. 11, T. 20-S
Lease

R. 38-E, N. M. P. M., House Field, Lea County.

Well is 4620 feet south of the North line and 660 feet west of the East line of Section 11

If State land the oil and gas lease is No. Assignment No.

If patented land the owner is D. E. Howse, Address Hobbs, New Mexico

If Government land the permittee is, Address

The Lessee is Stanolind Oil and Gas Company, Address Box 591; Tulsa, Oklahoma

Drilling commenced May 19 19 50. Drilling was completed October 19 19 50

Name of drilling contractor E. F. Moran, Inc., Address 409 Nat'l Bank of Tulsa, Tulsa, Oklahoma

Elevation above sea level at top of casing 3567 feet.

The information given is to be kept confidential until Not confidential 19

### OIL SANDS OR ZONES

No. 1, from 4275 to 4390 No. 4, from to

No. 2, from 4930 to 7080 No. 5, from to

No. 3, from 7670 to 7750 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 to feet.

No. 2, from to feet.

No. 3, 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 | PERFORATED TO | PURPOSE |
|---|---|---|---|---|---|---|---|---|---|
| 13-3/8 | 48# | | H-40 | 295' | | | | | Surf. String |
| 9-5/8 | 36# | | H-40 | 4518' | | | | | Intermediate |
| 7-3/8" | 14&17# | | J-55 | 7650' | Larkin | | 7020 | 7060 | Oil String |
| | | | | | Cementrol | | 6930 | 7000 | |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| 17-1/4 | 13-3/8 | 305 | 300 | Plug | | |
| 12-1/4 | 9-5/8 | 4530 | 950 | Plug | | |
| 7-3/8 | 5-1/2 | 7660 | 300 | Plug | | |

### 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 |
|---|---|---|---|---|---|---|
| | | 15% Hcl | 1000 gal. | 8-17 | 7660 | 7781 |
| | | 15% Hcl | 4257 gal. | 8-21 | 7660 | 7781 |
| | | E.L. 431 | 164 qts. | 8-28 | 7680 | 7781 |

Results of shooting or chemical treatment Swabbed dry after 1st acid job. Swabbed 28 bbls. fluid cut 50% water, in 24 hours, after 2nd acid. Acidized without natural testing after shot. (over)

### RECORD OF DRILL-STEM AND SPECIAL TESTS

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 8112 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

### PRODUCTION

Put to producing October 18, 19 50

The production of the first 24 hours was 64.6 barrels of fluid of which 57.4 % was oil; distillate %

emulsion; 42.6 % water; and % sediment. Gravity, Be API 56.2° corrected

If gas well, cu. ft. per 24 hours 2,000,000 Gallons gasoline per 1,000 cu. ft. of gas 0.35

Rock pressure, lbs. per sq. in. Unknown

### EMPLOYEES

J. D. Smith, Driller A. P. Lewis, Driller

O. W. Coppidge, 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 7th day of November, 19 50

Lera Colleen Quigley
Notary Public

My Commission expires 5-31-53

Hobbs, New Mexico — November 6, 1950
Place Date

Name Jack R. Henderson

Position Field Superintendant

Representing Stanolind Oil and Gas Company
Company or Operator

Address Box "F"; Hobbs, New Mexico

## FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---|---|---|---|
| | | | **DRILL STEM TEST RECORD** |
| **Tested** | **Interval** | | **Remarks** |
| 4236' | 4329' | 93' | Tool open 4 hours. Strong blow air at once. Strong blow gas after 7½ minutes and throughout, at rate of 250 MCFPD. Reversed out 520' heavily gas and oil cut mud. FBHP 225 psi; 15-minute SIBHP - 1625 psi. |
| 4331' | 4390' | 59' | Gas to surface after 24' minutes, blow from strong at start to weak at end of test after 4 hours. Recovered 780' oil & gas cut mud, 150' heavily mud cut sulfur water. FBHP 175 psi; 15-minute SIBHP - 0. |
| 5630' | 5693' | 63' | Tool open 2 hours. Very weak blow air throughout. Recovered 230' sulfur water cut mud. Pressures - 0. |
| 5700' | 5755' | 55' | Weak blow air for 2 hours. Recovered 90' slightly oil cut mud. Pressures - 0. |
| 5759' | 5805' | 46' | Open 2 hours. Very weak blow air throughout. Recovered 420' muddy sulfur water. FBHP - 90 psi; 15-minute SIBHP - 650 psi. |
| 6939' | 7050' | 111' | Open 2 hours. Strong blow gas in 2½ min. Oily distillate spray in 40 minutes and throughout. Maximum gas blow gauged at 1513 MCF/day. Recovered 180' gas & distillate cut mud below circulating tool. FBHP - 1200 psi; 20-minute SIBHP - 2750 psi. |
| 7050' | 7080' | 30' | Open 1 hour. Very weak blow air, dying after 12 minutes. Recovered 150' oil cut mud. Pressures - 0. |
| 7315' | 7470' | 155' | Open 3 hours. Medium blow air throughout. Recovered 50' mud cut oil. Pressures-0. |
| 7670' | 7750' | 80' | Open 4 hours. Medium blow gas after 15 minutes and throughout. Recovered 1850' oil, 90' oil cut mud. FBHP - 625 psi. 15-minute SIBHP - 750 psi. |
| 7820' | 7838' | 18' | Open 1 hour. Weak blow air dying after 20 minutes. Recovered 180' mud and 120' salty sulfur water-cut mud. Pressures-0. |
| 7861' | 7931' | 70' | Open 2 hours. Weak blow air dying after 35 minutes. Recovered 450' drilling mud. Pressures - 0. |
| 7910' | 8050' | 60' | Open 2 hours. Weak blow air dying after 30 minutes. Recovered 130' drilling mud, 240' sulfur water-cut mud. Pressures-0. |
| | | | **FORMATION TOPS** |
| | | | **LANE WELLS RADIOACTIVITY LOG** |
| 1530' | | | Anhydrite. |
| 1645' | | | Salt. |
| 2825' | | | Yates. |
| 3850' | | | Queen. |
| 4250' | | | San Andres. |
| 5600' | | | Glorieta. |
| 6675' | | | Tubbs. |
| 6825' | | | Drinkard. |
| 7825' | | | Devonian. |
| | | | **FORMATION RECORD** |
| Surface | 1530' | 1530' | Red beds and surface sands. |
| 1530' | 1645' | 115' | Anhydrite, sand. |
| 1645' | 2825' | 1180' | Sand, anhydrite. |
| 2825' | 3850' | 1025' | Dolomite, sand, anhydrite. |
| 3850' | 4250' | 400' | Sand, dolomite, lime. |
| 5600' | 6675' | 1075' | Sand, dolomite. |
| 6675' | 6825' | 150' | Lime, sandy lime. |
| 6825' | 7825' | 1000' | Lime, chert. |
| 7825' | 8112' | 287' | Lime. |

| Explosive Or Chemical Treatment | Quantity | Date | Depth Shot Or Treated | Depth Cleaned Out |
|---|---|---|---|---|
| 15% Hcl | 4000 Gal. | 9-4-50 | 7660' | 7781' |
| 15% Hcl | 3000 Gal. | 9-28-50 | 7020-7060' | 7992' |
| 15% Hcl (Chemical Treatment, Cont'd) | 5000 Gal. | 10-6-50 | 6930-7000' | 7006' |

**Results of Treatment**

Swabbed 38 bbls. fluid cut 4% BS, no water, after acid on 9-4-50. Flowed 1.5 bbls. oil, 1 bbl. water, 219 MCF gas in 22.5 hrs. through 7/64" choke. GOR - 173,810, after treatment on 9-28-50.
Flowed 8 bbls. oil, 2 bbls. BS&W, 1107 MCF gas, GOR 146,428, through 16/64" choke after treatment on 10-6-50.
Tested above and below packer, set at 7006', for initial potential of intervals 6930-7000' and 7020-7060'.