

DUPLICATE

FORM C-105

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.

RECEIVED
JUL 8 - 1939
HOBBES OFFICE

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
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| | | | | | | | | | |

AREA 640 ACRES
LOCATE WELL CORRECTLY

STANDARD OIL COMPANY OF TEXAS

STATE 5-27 (B-1639)

Company or Operator

Lease

Well No.

3

in NW/4

of Sec.

27

T. 17-S

Lease

Vacuum

Lea

R. 35-E

N. M. P. M.

Field, East of West line

County.

Well is 1960'

feet south of the North line and

660'

feet west of the East line of

Sec. 27

If State land the oil and gas lease is No.

B-1639

Assignment No.

If patented land the owner is

Address

If Government land the permittee is

Address

The Lessee is

Standard Oil Company of Texas

Box 1660, Midland, Texas

Drilling commenced

April 16

19

Drilling was completed

May 17

19

Name of drilling contractor

Harry Bass Drilling Co.

Address

Magnolia Bldg., Dallas, Texas

Elevation above sea level at top of casing

3943

feet.

The information given is to be kept confidential until

19

OIL SANDS OR ZONES

No. 1, from

4435

to

4515

No. 4, from

to

No. 2, from

to

No. 5, from

to

No. 3, from

to

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 | | PURPOSE |
|--------|-----------------|------------------|---------|--------|--------------|-------------------|------------|----|------------|
| | | | | | | | FROM | TO | |
| 13-3/8 | 45 | 8 | Chester | 27 | Tex. Pat. | | | | Protection |
| 9-5/8 | 36 | 8 | " | 162 | Reg. 71. | | | | " |
| 7 | 20 & 24 | 10 | Various | 4193 | " | | | | Oil String |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 17 | 13-3/8 | 250 | 250 | Halliburton | | |
| 12-1/4 | 9-5/8 | 1638 | 615 | " | | |
| 6-1/4 | 7 | 4204 | 330 | " | | |

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 |
|------|------------|----------------------------|-----------|--------------|-----------------------|-------------------|
| | | Dowell XX6 acid | 1500 gal. | May 16, 1939 | 4620' - 4750' | |

Results of shooting or chemical treatment

Increased production from 13 bbl. an hour on gas-lift to 21 bbl. an hour, flowing.

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

feet to

4620'

feet, and from

feet to

feet

Cable tools were used from

feet to

feet, and from

feet to

feet

PRODUCTION

Potential test:

19

39

The production of the first 24 hours was

145

barrels of fluid of which

100

% was oil;

%

emulsion;

% water; and

%

sediment. Gravity, Be.

38

If gas well, cu. ft. per 24 hours

Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

E. D. Williamson

Driller

C. B. Perryman

Driller

M. E. Self

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

Midland, Texas

July 7, 1939

day of

July

19

Name

D. S. Googins

Position

Petroleum Engineer

Representing

STANDARD OIL COMPANY OF TEXAS

Address

Box 1660, Midland, Texas

Notary Public

My Commission expires

Jan 1, 1941

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|---|
| 0 | 17 | | Substructure and cellar |
| 17 | 30 | | Caliche |
| 30 | 70 | | Sand |
| 70 | 95 | | Gravel - WATER |
| 95 | 155 | | Sand - WATER |
| 155 | 195 | | Sand |
| 195 | 266 | | Red bed |
| 266 | 608 | | Red bed |
| 608 | 610 | | Lime |
| 610 | 983 | | Red bed |
| 983 | 1026 | | Red rock and shells - SHOW AIR AT 1020' |
| 1027 | 1110 | | Red bed |
| 1110 | 1225 | | Red bed |
| 1225 | 1435 | | Red bed and red rock shells |
| 1435 | 1592 | | Red bed |
| 1592 | 1610 | | Red rock and lime shells |
| 1610 | 1630 | | Anhydrite |
| 1630 | 1645 | | Anhydrite |
| 1645 | 1725 | | Anhydrite |
| 1725 | 1800 | | Anhydrite and salt |
| 1800 | 2165 | | Salt, streaks anhydrite and potash |
| 2165 | 2675 | | Salt |
| 2675 | 2698 | | Potash and salt |
| 2698 | 2756 | | Anhydrite |
| 2756 | 2800 | | Anhydrite, streaks salt |
| 2800 | 2972 | | Anhydrite |
| 2972 | 3020 | | Anhydrite and gypsum |
| 3020 | 3050 | | Anhydrite |
| 3050 | 3056 | | Sand - SHOW GAS (YATES) |
| 3056 | 3150 | | Anhydrite and gypsum |
| 3150 | 3197 | | Anhydrite and gypsum |
| 3197 | 3431 | | Anhydrite |
| 3431 | 3750 | | Anhydrite and gypsum |
| 3750 | 3801 | | Anhydrite and streaks potash |
| 3801 | 3910 | | Anhydrite and brown lime |
| 3910 | 3950 | | Anhydrite and lime shells |
| 3950 | 4103 | | Anhydrite and lime |
| 4103 | 4166 | | Brown lime |
| 4166 | 4210 | | Gray lime |
| 4210 | 4250 | | Gray lime |
| 4250 | 4252 | | SIM |
| 4252 | 4275 | | Gray lime |
| 4275 | 4288 | | Brown lime |
| 4288 | 4295 | | Light gray and brown lime |
| 4295 | 4355 | | Gray lime |
| 4355 | 4365 | | White lime |
| 4365 | 4400 | | Gray lime |
| 4400 | 4407 | | White lime - ODDER OF GAS |
| 4407 | 4428 | | Gray lime |
| 4428 | 4440 | | Brown lime - SHOW OF OIL |
| 4440 | 4445 | | Gray lime |
| 4445 | 4452 | | Brown lime - SHOW OF OIL |
| 4452 | 4455 | | Brown and white lime - SLIGHT SHOW OF OIL |
| 4455 | 4463 | | Brown lime - SHOW OF OIL |
| 4463 | 4465 | | White lime |
| 4465 | 4527 | | Brown lime |
| 4527 | 4527 | | SIM |
| 4527 | 4528 | | Brown lime |
| 4528 | 4545 | | Brown and white lime |
| 4545 | 4550 | | Brown lime - OIL STAINED |
| 4550 | 4599 | | Gray lime |
| 4599 | 4607 | | Gray lime with some white lime |
| 4607 | 4620 | | Gray lime |
| 4620 | 4620 | | SIM TOTAL DEPTH |