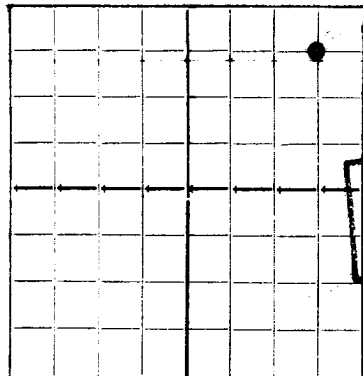


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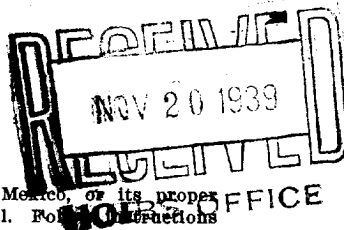
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



DUPLICATE

WELL RECORD



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

Gulf Oil Corporation

Tulsa, Oklahoma

Company or Operator

H.T. Mattern B

Well No.

3

in NE NE

of Sec.

31

T.

21S

Lease

37E

Hardy

Field,

Lea

County.

Well is 660

feet south of the North line and 660

feet west of the East line of NE/4

If State land the oil and gas lease is No.

Assignment No.

If patented land the owner is

Address

If Government land the permittee is

Address

The Lessee is

Gulf Oil Corporation

Address

Tulsa, Oklahoma

Drilling commenced 9-24-39

19

Drilling was completed 10-31-39

19

Name of drilling contractor

Gulf Oil Corporation

Address

Tulsa, Oklahoma

Elevation above sea level at top of casing

3481'

feet.

The information given is to be kept confidential until

?

19

OIL SANDS OR ZONES

No. 1, from

3665'

to

3800'

No. 4, from

to

No. 2, from

Pay 3734'

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

Rotary hole

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 | TO | PURPOSE |
|---------|-----------------|------------------|-------|--------|--------------|-------------------|-----------------|----|---------|
| 10-3/4" | 51 | 8 | Sals. | 287' | | | | | |
| 6" | 16 | 8-round thread | Sals. | 3549' | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|--------------|--------------------|
| 13-3/4" | 10-3/4" | 287' | 250 | Halliburton | Used 300# of | calcium chloride |
| 7-7/8" | 6" | 3549' | 350 | Halliburton | | |
| | | | | | | |
| | | | | | | |

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 |
|------|------------|----------------------------|----------|------|-----------------------|-------------------|
| | | NONE USED | | | | |
| | | | | | | |
| | | | | | | |

Results of shooting or chemical treatment

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

0'

feet to

3555'

feet, and from

feet to

feet

Cable tools were used from

3555'

feet to

3800'

feet, and from

feet to

feet

PRODUCTION

Put to producing

November 16,

1939

The production of the first 24 hours was

152

barrels of fluid of which

% was oil;

emulsion;

% water; and

% sediment. Gravity, Be

If gas well, cu. ft. per 24 hours

463,872

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

Rock pressure, lbs. per sq. in.

Casing Pressure 450#.

EMPLOYEES

Driller

Driller

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

17

day of

November

1939

Notary Public

Tulsa, Oklahoma

November 17, 1939

Name

General Superintendent

Position

Representing

Gulf Oil Corporation

Company or Operator

Address

Tulsa, Oklahoma

My Commission expires

March 16, 1940

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|----|----------------------|--------------------------------|
| | 0' | 260' | Sand |
| | | 292 | Red bed |
| | | 428 | Red bed & blue shale |
| | | 805 | Red shale |
| | | 1035 | Red shale & shells |
| | | 1195 | Red & blue shale & shells |
| | | 1230 | Anhydrite |
| | | 1261 | Anhydrite |
| | | 1728 | Salt & anhydrite |
| | | 1876 | Salt |
| | | 2318 | Anhydrite & salt |
| | | 2500 | Salt |
| | | 3042 | Anhydrite |
| | | 3100 | Anhydrite & lime |
| | | 3122 | Anhydrite |
| | | 3232 | Lime |
| | | 3245 | Lime & gypsum |
| | | 3258 | Lime & anhydrite |
| | | 3555 | Lime |
| | | 3557 | Sandy lime - Show of oil & gas |
| | | 3570 | Lime |
| | | 3573 | Sandy lime |
| | | 3587 | Lime |
| | | 3595 | White Lime |
| | | 3680 | Lime |
| | | 3689 | Lime & shale |
| | | 3725 | Lime |
| | | 3738 | Broken lime |
| | | 3770 | Soft Lime |
| | | 3800 | Lime |
| | | | TOTAL DEPTH |
| | | | <u>FORMATIONS</u> |
| | | | Anhydrite 1185' |
| | | | Salt Base 2500' |
| | | | Yates 2700' |
| | | | Knight 3420' |
| | | | Penrose 3530' |
| | | | Kunice Dolomite 3665' |
| | | | Pay 3734' |
| | | | Total Depth 3800' |