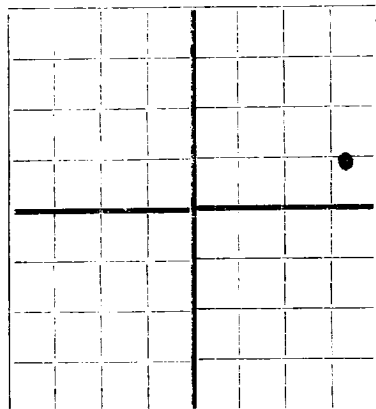


FORM C-105

N

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico



AREA 640 ACRES  
LOCATE WELL CORRECTLY

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.

Company or Operator Gulf Oil Corporation Box 661 Tulsa, Oklahoma  
Address  
Lease Mark Well No. 4 in NE of Sec. 3, T. 23  
R. 37E, N. M. P. M., Penrose Field, Lea County.  
Well is 1980 feet south of the North line and 660 feet west of the East line of NE 1/4  
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 3-26 19 47 Drilling was completed 4-27 19 47  
Name of drilling contractor Ashby Drilling Co. Address Dallas, Texas  
Elevation above sea level at top of casing 3397 feet. Derrick Floor  
The information given is to be kept confidential until --- 19 ---

OIL SANDS OR ZONES

No. 1, from 5076 to 5192' 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 |         |
| <u>13-3/8</u> | <u>48</u>       | <u>82</u>        | <u>EW</u>   | <u>296'</u>  |              |                   |            |    |         |
| <u>9-5/8</u>  | <u>36</u>       | <u>82</u>        | <u>SmIs</u> | <u>2800'</u> |              |                   |            |    |         |
| <u>7</u>      | <u>23</u>       | <u>82</u>        | <u>SmIs</u> | <u>5180'</u> |              |                   |            |    |         |
|               |                 |                  |             |              |              |                   |            |    |         |
|               |                 |                  |             |              |              |                   |            |    |         |
|               |                 |                  |             |              |              |                   |            |    |         |
|               |                 |                  |             |              |              |                   |            |    |         |
|               |                 |                  |             |              |              |                   |            |    |         |
|               |                 |                  |             |              |              |                   |            |    |         |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE  | SIZE OF CASING | WHERE SET    | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---------------|----------------|--------------|---------------------|--------------|-------------|--------------------|
| <u>17-1/4</u> | <u>13-3/8</u>  | <u>296'</u>  | <u>300</u>          |              |             |                    |
| <u>12-1/4</u> | <u>9-5/8</u>   | <u>2800'</u> | <u>1300</u>         |              |             |                    |
| <u>8-3/4</u>  | <u>7</u>       | <u>5180'</u> | <u>500</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 |
|------|------------|----------------------------|-----------------|---------------|-----------------------|-------------------|
|      |            | <u>15% Acid</u>            | <u>500 gal.</u> | <u>5-2-47</u> | <u>5180-92'</u>       |                   |
|      |            |                            |                 |               |                       |                   |
|      |            |                            |                 |               |                       |                   |
|      |            |                            |                 |               |                       |                   |
|      |            |                            |                 |               |                       |                   |
|      |            |                            |                 |               |                       |                   |
|      |            |                            |                 |               |                       |                   |
|      |            |                            |                 |               |                       |                   |
|      |            |                            |                 |               |                       |                   |

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 5192 feet, and from --- feet to --- feet  
Cable tools were used from --- feet to --- feet, and from --- feet to --- feet

PRODUCTION

Put to producing 5-1, 19 47  
The production of the first 24 hours was 144 barrels of fluid of which 100 % was oil; --- %  
emulsion; --- % water; and --- % sediment. Gravity, Be ---  
If gas well, cu. ft. per 24 hours --- Gallons gasoline per 1,000 cu. ft. of gas ---  
Rock pressure, lbs. per sq. in. ---

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 30 day of July, 19 47  
Notary Public  
My Commission expires March 16, 1948  
Tulsa, Oklahoma July 22, 1947  
Name A. M. Bell, Jr.  
Position General Superintendent  
Representing Gulf Oil Corporation  
Address Tulsa, Oklahoma

## FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION                             |
|------|------|----------------------|---------------------------------------|
| 0    | 150  |                      | Red Bed and Shells                    |
|      | 836  |                      | Red Bed, Shale and Shells             |
|      | 1115 |                      | Red Bed, Shells, Anhydrite and Gypsum |
|      | 1170 |                      | Anhydrite                             |
|      | 1300 |                      | Anhydrite, Red Bed and Shells         |
|      | 1400 |                      | Anhydrite                             |
|      | 1455 |                      | Anhydrite and Salt Streaks            |
|      | 1511 |                      | Anhydrite, Shells and Salt            |
|      | 1632 |                      | Anhydrite and Salt                    |
|      | 2290 |                      | Anhydrite                             |
|      | 2400 |                      | Anhydrite and Gypsum                  |
|      | 2440 |                      | Anhydrite                             |
|      | 2494 |                      | Anhydrite and Gypsum                  |
|      | 2540 |                      | Anhydrite                             |
|      | 2587 |                      | Anhydrite and Gypsum                  |
|      | 2657 |                      | Anhydrite                             |
|      | 2700 |                      | Anhydrite and Gypsum                  |
|      | 2765 |                      | Anhydrite                             |
|      | 2870 |                      | Anhydrite and streaks of Gypsum       |
|      | 2950 |                      | Anhydrite                             |
|      | 3046 |                      | Anhydrite and broken lime             |
|      | 3106 |                      | Anhydrite and Shells                  |
|      | 3187 |                      | Anhydrite                             |
|      | 3234 |                      | Shale, blue, medium                   |
|      | 3299 |                      | Shale and lime                        |
|      | 3364 |                      | Anhydrite and lime                    |
|      | 3526 |                      | Lime                                  |
|      | 3667 |                      | Lime, Grey, Medium                    |
|      | 3762 |                      | Lime and Shale streaks                |
|      | 3853 |                      | Lime, Grey, Medium                    |
|      | 4793 |                      | Lime                                  |
|      | 5015 |                      | Lime, Grey, Hard                      |
|      | 5152 |                      | Lime, Grey, Medium                    |
|      | 5155 |                      | Lime, Grey, Soft                      |
|      | 5170 |                      | Lime, Grey, Medium                    |
|      | 5192 |                      | Total Depth                           |

## FORMATION TOPS

|             |       |
|-------------|-------|
| Rustler     | 1110' |
| Base Salt   | 2350' |
| Yates, Est. | 2530' |
| Glorietta   | 5035' |