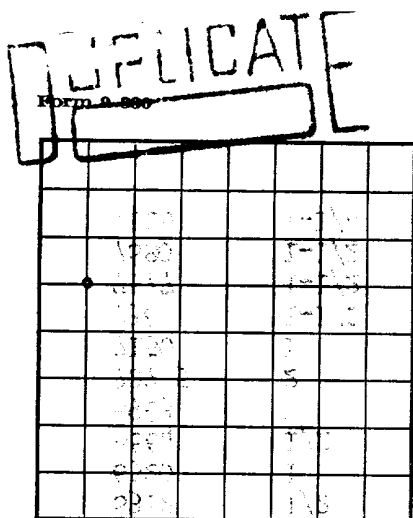
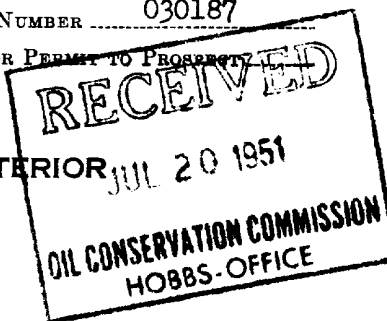




Bureau No. 42-R355.1.  
APL expires 11-30-49.

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 030187  
LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Gulf Oil Corporation Address Hobbs, New Mexico  
Lessor or Tract LaMunyon Field Teague State New Mexico  
Well No. 12 Sec. 27 T. 23S R. 37E Meridian NMPM County Lea  
Location 1980 ft. N of N Line and 660 ft. E of W Line of Section 27 Elevation 3299  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed /s/ E. J. Gallagher

Date February 15, 1950

Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling November 6, 1949 Finished drilling February 4, 1950

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9308 to 9464 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3240 to 3425 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from (Rotary Tools) to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

| Size casing    | Weight per foot    | Threads per foot | Make      | Amount       | Kind of shoe | Cut and pulled from | Perforated |     | Purpose |
|----------------|--------------------|------------------|-----------|--------------|--------------|---------------------|------------|-----|---------|
|                |                    |                  |           |              |              |                     | From—      | To— |         |
| <u>13-3/8"</u> | <u>48#</u>         | <u>8 Rd.</u>     | <u>SS</u> | <u>284'</u>  |              |                     |            |     |         |
| <u>9-5/8"</u>  | <u>36#</u>         | <u>8 Rd.</u>     | <u>SS</u> | <u>2885'</u> |              |                     |            |     |         |
| <u>7"</u>      | <u>26 &amp; 23</u> | <u>8 Rd.</u>     | <u>SS</u> | <u>9294'</u> |              |                     |            |     |         |
|                |                    |                  |           |              |              |                     |            |     |         |
|                |                    |                  |           |              |              |                     |            |     |         |
|                |                    |                  |           |              |              |                     |            |     |         |
|                |                    |                  |           |              |              |                     |            |     |         |
|                |                    |                  |           |              |              |                     |            |     |         |
|                |                    |                  |           |              |              |                     |            |     |         |

MUDDING AND CEMENTING RECORD

| Size casing    | Where set    | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|----------------|--------------|------------------------|--------------|-------------|--------------------|
| <u>13-3/8"</u> | <u>301'</u>  | <u>300</u>             | <u>HOWCO</u> |             |                    |
| <u>9-5/8"</u>  | <u>2900'</u> | <u>1625</u>            | <u>HOWCO</u> |             |                    |
| <u>7"</u>      | <u>9308'</u> | <u>800</u>             | <u>HOWCO</u> |             |                    |
|                |              |                        |              |             |                    |
|                |              |                        |              |             |                    |
|                |              |                        |              |             |                    |
|                |              |                        |              |             |                    |
|                |              |                        |              |             |                    |
|                |              |                        |              |             |                    |
|                |              |                        |              |             |                    |

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            | <u>None</u>    |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from 0 feet to 9470 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

Put to producing February 4, 1950

The production for the first 9 1/2 hours was 105 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. API 45.0

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

Ashby Drilling Company, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—     | TO—         | TOTAL FEET | FORMATION                    |
|-----------|-------------|------------|------------------------------|
| <u>0'</u> | <u>42</u>   |            | <u>Surface Sand</u>          |
|           | <u>305</u>  |            | <u>Red Bed</u>               |
|           | <u>1000</u> |            | <u>Red Bed and Anhydrite</u> |
|           | <u>1105</u> |            | <u>Anhydrite and Salt</u>    |
|           | <u>1335</u> |            | <u>Anhydrite</u>             |
|           | <u>1344</u> |            | <u>Anhydrite and Salt</u>    |
|           | <u>2410</u> |            | <u>Anhydrite</u>             |
|           | <u>2533</u> |            | <u>Anhydrite and Lime</u>    |
|           | <u>2563</u> |            | <u>Anhydrite</u>             |
|           | <u>2762</u> |            | <u>Anhydrite and Lime</u>    |
|           | <u>2791</u> |            | <u>Anhydrite</u>             |
|           | <u>2862</u> |            | <u>Anhydrite and Lime</u>    |
|           | <u>2883</u> |            | <u>Lime</u>                  |
|           | <u>4088</u> |            | <u>Lime and Sand</u>         |
|           | <u>4170</u> |            | <u>Lime</u>                  |
|           | <u>4383</u> |            | <u>Chert</u>                 |
|           | <u>8393</u> |            | <u>Sand</u>                  |
|           | <u>8455</u> |            | <u>Lime</u>                  |
|           | <u>8538</u> |            | <u>Sandy Lime</u>            |
|           | <u>8609</u> |            | <u>Lime and Chert</u>        |
|           | <u>8620</u> |            | <u>Lime</u>                  |
|           | <u>8628</u> |            | <u>Lime and Chert</u>        |
|           | <u>8664</u> |            | <u>Lime</u>                  |
|           | <u>8685</u> |            | <u>Sandy Lime</u>            |
|           | <u>8691</u> |            | <u>Lime and Chert</u>        |
|           | <u>8788</u> |            | <u>Lime</u>                  |

(OVER)

16-43094-2

|      |       |
|------|-------|
| 7876 | 1-1/7 |
| 7680 | 1-1/2 |
| 7577 | 1-1/2 |
| 7365 | 1-1/2 |
| 7150 | 1     |
| 7075 | 2     |
| 6963 | 1     |
| 6667 | 1/2   |
| 6520 | 1     |
| 6812 | 1/2   |
| 6690 | 3/4   |

|      |         |
|------|---------|
| 6073 | 1       |
| 5900 | 1-3/4   |
| 5582 | 3/4     |
| 5361 | 1-1/4   |
| 5250 | 1-1/4   |
| 5250 | 1-3/4   |
| 4517 | 3/4     |
| 4455 | 1-1/2   |
| 3878 | 1/4     |
| 3630 | 1/4     |
| 3520 | 1/2     |
| 3630 | 1/4     |
| 3520 | 1-1/2   |
| 3360 | 1/4     |
| 3030 | 3/4     |
| 2859 | 1-1/4   |
| 2762 | 1-3/4   |
| 2660 | 1       |
| 2600 | 1-1/2   |
| 2555 | 1-1/2   |
| 2460 | 2-1/2   |
| 2218 | 1-3/4   |
| 1865 | 1-1/4   |
| 1540 | 3/4     |
| 1365 | 3/4     |
| 935  | 0       |
| 515  | 0       |
| 275  | 1/2 dg. |

DEPTH: 275  
ANGLE: 1/2 dg.  
DEPTH: 7933  
ANGLE: 1-1/2 deg.

# HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43094-1

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was checked for left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

DATE: 1-1-50

WELL NO.: 1

LOCATION: 1-1-50

FIELD: 1-1-50

STATE: 1-1-50

COUNTY: 1-1-50

TOWNSHIP: 1-1-50

RANGE: 1-1-50

SECTION: 1-1-50

NEAREST TOWN: 1-1-50

NEAREST RAILROAD: 1-1-50

NEAREST HIGHWAY: 1-1-50

NEAREST WATER: 1-1-50

NEAREST POWER: 1-1-50

NEAREST SCHOOL: 1-1-50

NEAREST CHURCH: 1-1-50

NEAREST POST OFFICE: 1-1-50

NEAREST TELEPHONE: 1-1-50

NEAREST GAS: 1-1-50

NEAREST OIL: 1-1-50

NEAREST WATER: 1-1-50

NEAREST POWER: 1-1-50

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LAMUNYON NO. 12  
FORMATION TOPS PER GEOLOGISTS

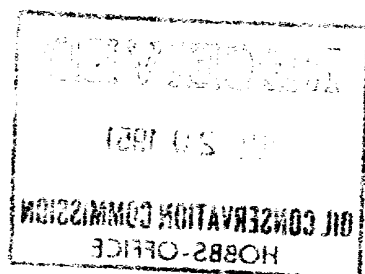
RECEIVED

JUL 20 1951

OIL CONSERVATION COMMISSION  
HOBBS-OFFICE

Elevation 3299

|            |             |
|------------|-------------|
| Anhydrite  | 1050        |
| Base Salt  | 2360        |
| Yates      | 2570        |
| Queen      | 3250        |
| San Andres | 3830        |
| Glorieta   | 4960        |
| Tubb       | 6000        |
| Devonian   | 7370        |
| Silurian   | 8360        |
| Montoya    | 8645        |
| Simpson    | 8945        |
| McKee Sand | 9305        |
| Oil Pay    | 9308 - 9464 |



1. The first step in the process of the investigation is the identification of the problem. This is done by the investigator who is responsible for the study. The investigator must first identify the problem that is being investigated. This is done by the investigator who is responsible for the study. The investigator must first identify the problem that is being investigated.