

U. S. LAND OFFICE

SERIAL NUMBER **LC 067891-A**

LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Alamo Corporation Address 1004 Lubbock Nat'l Bank Bldg., Lubbock,  
Lessor or Tract Federal Field Sawyer State New Mexico Texas  
Well No. 1 Sec. 18 T. 9S R. 38E Meridian N.M.P.M. County Lea  
Location 660 ft. N. of 8 Line and 660 ft. W. of E Line of Sec. 18 Elevation 3963 G.L.  
(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

Date May 19, 1959Title Representative

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

Commenced drilling April 12, 1959 Finished drilling April 30, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4925 to 4951 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 4968 to 4999 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

| Size casing  | Weight per foot | Threads per inch | Make        | Amount       | Kind of shoe       | Cut and pulled from | Perforated  |               | Purpose |
|--------------|-----------------|------------------|-------------|--------------|--------------------|---------------------|-------------|---------------|---------|
|              |                 |                  |             |              |                    |                     | From—       | To—           |         |
| <u>8 5/8</u> | <u>32#</u>      | <u>8</u>         | <u>J-55</u> | <u>350'</u>  | <u>Halliburton</u> |                     | <u>4925</u> | <u>4951.5</u> |         |
| <u>4 1/2</u> | <u>9.5#</u>     | <u>8</u>         | <u>J-55</u> | <u>5059'</u> | <u>Halliburton</u> |                     | <u>4968</u> | <u>4999</u>   |         |
|              |                 |                  |             |              |                    |                     |             |               |         |
|              |                 |                  |             |              |                    |                     |             |               |         |
|              |                 |                  |             |              |                    |                     |             |               |         |
|              |                 |                  |             |              |                    |                     |             |               |         |
|              |                 |                  |             |              |                    |                     |             |               |         |
|              |                 |                  |             |              |                    |                     |             |               |         |

## MUDDING AND CEMENTING RECORD

| Size casing  | Where set    | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|--------------|--------------|------------------------|--------------------|-------------|--------------------|
| <u>8 5/8</u> | <u>350'</u>  | <u>200</u>             | <u>Halliburton</u> |             |                    |
| <u>4 1/2</u> | <u>5059'</u> | <u>200</u>             | <u>Halliburton</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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 5059 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_%  
emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

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

| FROM—       | TO—         | TOTAL FEET  | FORMATION                  |
|-------------|-------------|-------------|----------------------------|
| <u>0</u>    | <u>160</u>  | <u>160</u>  | <u>Sand and Clay</u>       |
| <u>160</u>  | <u>310</u>  | <u>150</u>  | <u>Shale and Shells</u>    |
| <u>310</u>  | <u>1820</u> | <u>1510</u> | <u>Red Beds</u>            |
| <u>1820</u> | <u>1840</u> | <u>20</u>   | <u>Sand</u>                |
| <u>1840</u> | <u>1990</u> | <u>150</u>  | <u>Red Beds and Shells</u> |
| <u>1990</u> | <u>2310</u> | <u>320</u>  | <u>Anhydrite and Shale</u> |
| <u>2310</u> | <u>2400</u> | <u>90</u>   | <u>Red Bed and Shells</u>  |
| <u>2400</u> | <u>3390</u> | <u>990</u>  | <u>Anhydrite and Salt</u>  |
| <u>3390</u> | <u>4195</u> | <u>805</u>  | <u>Anhydrite and Lime</u>  |
| <u>4195</u> | <u>5059</u> | <u>864</u>  | <u>Lime</u>                |

**FORMATION RECORD—Continued**

[illegible]

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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.