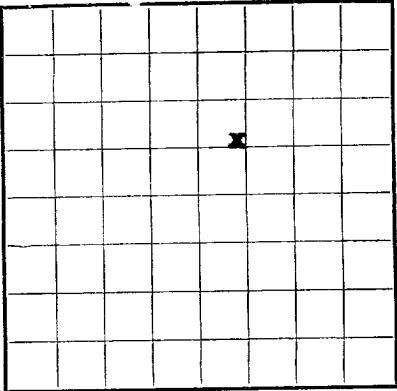




U. S. LAND OFFICE  
SERIAL NUMBER LC-060850  
LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Union Oil Company of California Address 619 West Texas Avenue, Midland, Texas  
Lessor or Tract Federal-Medlin Field South Dickey State New Mexico  
Well No. 2-8 Sec. 8 T. 15S R. 31E Meridian N.M.P.M. County Chaves  
Location 1874 ft. XX of N Line and 2086 ft. XX of E Line of Section 8 Elevation 4447' D.F.  
(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 James E. Lugo Title Asst. Division Engineer

Date March 16, 1955

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

Commenced drilling February 24, 1955 Finished drilling March 4, 1955

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 3131 to 3139 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ 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>24</u>       | <u>8 H T</u>     | <u>Nat'l</u> | <u>294.78</u>  | <u>Guide</u> |                     |            |     | <u>Surface</u> |
| <u>5-1/2</u> | <u>15.5</u>     | <u>8 H T</u>     | <u>"</u>     | <u>3133.39</u> | <u>"</u>     |                     |            |     | <u>Oil</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>307.78</u>  | <u>225 sx. 4 1/2 gal</u>          | <u>P &amp; P</u> | <u>--</u>   | <u>--</u>          |
| <u>5-1/2</u> | <u>3144.39</u> | <u>200 sx. 4 1/2 gal</u>          | <u>P &amp; P</u> | <u>--</u>   | <u>--</u>          |
|              |                | <u>Chut. &amp; 200 cu. ft. of</u> |                  |             |                    |
|              |                | <u>strata-crete</u>               |                  |             |                    |
|              |                |                                   |                  |             |                    |
|              |                |                                   |                  |             |                    |
|              |                |                                   |                  |             |                    |
|              |                |                                   |                  |             |                    |

PLUGS AND ADAPTERS

Heaving plug—Material N Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material N Size \_\_\_\_\_

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            | <u>N</u>       |          |      |            |                   |
|      |            | <u>O</u>       |          |      |            |                   |
|      |            | <u>N</u>       |          |      |            |                   |
|      |            | <u>E</u>       |          |      |            |                   |

TOOLS USED

Rotary tools were used from -0- feet to 3150 feet, and from -- feet to -- feet

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

DATES

March 16, 1955 Put to producing March 12, 1955

The production for the first 24 hours was 120 barrels of fluid of which 99.8 % was oil; 0.2 % emulsion; -- % water; and -- % sediment. Gravity, °Bé. 34

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

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

EMPLOYEES

L. L. Johnson, Driller J. D. Burke, Driller  
J. D. Cox, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET  | FORMATION                 |
|-------------|-------------|-------------|---------------------------|
| <u>0</u>    | <u>260</u>  | <u>260</u>  | <u>Sand and caliche</u>   |
| <u>260</u>  | <u>1350</u> | <u>1090</u> | <u>red beds</u>           |
| <u>1350</u> | <u>1455</u> | <u>105</u>  | <u>Anhydrite</u>          |
| <u>1455</u> | <u>2173</u> | <u>718</u>  | <u>Salt and anhydrite</u> |
| <u>2173</u> | <u>2338</u> | <u>165</u>  | <u>Anhydrite</u>          |
| <u>2338</u> | <u>2500</u> | <u>162</u>  | <u>Sand</u>               |
| <u>2500</u> | <u>3115</u> | <u>615</u>  | <u>Anhydrite</u>          |
| <u>3115</u> | <u>3139</u> | <u>24</u>   | <u>Sand and anhydrite</u> |

|      |    |            |                 |
|------|----|------------|-----------------|
| FROM | TO | TOTAL FEET | NO. OF VEHICLES |
|------|----|------------|-----------------|

-OL

TOTAL FEET

NGELVIRRON

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.

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