

**Las Cruces**

U. S. LAND OFFICE **44-668**

SERIAL NUMBER \_\_\_\_\_

LEASE OR PERMIT TO PROSPECT -----

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

### LOCATE WELL CORRECTLY

Company Jal Oil Company Inc. Address Drawer "z", Jal, New Mexico  
 Lessor or Tract Farnsworth Field Langlie-Mattix State New Mexico  
 Well No. 4 Sec. 4 T. 26S R. 37E Meridian N.M.P.M. County Lea  
 Location 1980 [N.] of 3 Line and 2310 ft. 1/4 of 4 Line of Sec. 4 Elevation 2997.

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.

Date **February 20, 1958** Signed *James H. Olson*  
Title *Guest*

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

Commenced drilling **January 17,** 19**38** Finished drilling **January 29,** 19**38**

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

(Denote gas by G)

|                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| No. 1, from <u>2600</u> to <u>2920 - G</u> | No. 4, from <u>3222</u> to <u>3250 - G</u> |
| No. 2, from <u>3108</u> to <u>3160 - G</u> | No. 5, from _____ to _____                 |
| No. 3, from <u>3180</u> to <u>3210 - G</u> | No. 6, from _____ to _____                 |

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ 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—  |             |
| 9 5/8                     | 36              | 8rd              | 11   | 289.5  | HOMCO        |                     |            |      | Surface     |
| 7                         | 23 1/2          | 8rd              | 11   | 326.7  | HOMCO        |                     | 3228       | 3250 | Well string |
| HISTORY OF DEEP OIL WELLS |                 |                  |      |        |              |                     |            |      |             |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 9 5/8       | 301'      | 250                    | HO-CO       |             |                    |
| 7"          | 3279'     | 200 shoe               | HO-CO       |             |                    |
|             |           | 100 D.V. Tool set      | 1126'       |             |                    |

## 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 |
|----------|------------|----------------------------|---------------------|-----------------|------------|-------------------|
| Sandfrac | with       | 10,000 gal lease crude and | 10,000 lb. and plus | 25 rubber balls |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 3282 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

## DATES

|                                                                                          |                                           |
|------------------------------------------------------------------------------------------|-------------------------------------------|
| February 20, 1958                                                                        | Put to producing Feb. 13, 1958            |
| The production for the first 24 hours was 200 barrels of fluid of which 99.9% was oil; % |                                           |
| emulsion; 1% water; and 1% sediment.                                                     | Gravity, °Bé. 33°                         |
| If gas well, cu. ft. per 24 hours                                                        | Gallons gasoline per 1,000 cu. ft. of gas |
| Rock pressure, lbs. per sq. in.                                                          |                                           |

## EMPLOYEES

| EMPLOYEES     |         |
|---------------|---------|
| L. Urbison    | Driller |
| B. R. Tidwell | Driller |

# FORMATION RECORD

| FROM—        | TO—                  | TOTAL FEET | FORMATION                                        |
|--------------|----------------------|------------|--------------------------------------------------|
| 960          | 1210                 | 250        | Anhydrite                                        |
| 1210         | 2410                 | 1200       | Salt w/ anhydrite stringers and redbed stringers |
| 2410         | 2608                 | 198        | Anhydrite & brown Dolomite                       |
| 2608         | 2918                 | 310        | Sand w/ Dole. Stringers                          |
| 2918         | 3108                 | 190        | Dole. w/ Sand Stringers                          |
| 3108         | 3150                 | 42         | Sand w/ Dole Stringers                           |
| 3150         | 3218                 | 68         | Dolomite                                         |
| 3218         | 3282 TD              | 64         | Sand w/ Shale and Dole. Stringers                |
| <i>Real</i>  |                      |            |                                                  |
| Red Tops     |                      |            |                                                  |
| T - Anhy.    | 960                  |            |                                                  |
| T - Salt     | <del>2410</del> 1210 |            |                                                  |
| B - Salt     | 2410                 |            |                                                  |
| T - Yates    | 2608                 |            |                                                  |
| T - 7 Rivers | 2918                 |            |                                                  |
| T - Queen    | 3218                 |            |                                                  |

Company \_\_\_\_\_  
Lessor or Trust \_\_\_\_\_  
Well No. \_\_\_\_\_  
Location \_\_\_\_\_  
The information given herewith is a complete and correct record of the well and all work done thereon  
as far as can be determined from all available records.  
Signed \_\_\_\_\_  
Date \_\_\_\_\_  
601 Heavy Oil and Gas cut and  
Recovered 18701 Gas in oil pipe  
The summary on this page  
Completed during \_\_\_\_\_  
Finished drilling \_\_\_\_\_  
Initial GIP - 30 ft. - 969  
Important Water Sands  
Open 1 hour  
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| Casing Record |      |    |       |         |       |
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| History of Oil or Gas Well |      |    |       |         |       |
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