

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 063454  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Neville G. Penrose, Inc. Address 1612 Fair Hg., Fort Worth, Texas  
Lessor or Tract Lockhart Field Wildcat State N. Mexico  
Well No. 1-2 Sec. 5 T. 22S R. 38E Meridian NMPM County Lea  
Location 660 ft. 14 of N Line and 660 ft. 14 of E Line of Sec. 5 Elevation 3399  
(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 John P. M. Daugherty  
Date 12-28-55 Title Vice President

The summary on this page is for the condition of the well at above date.  
Commenced drilling October 16, 1955 Finished drilling December 7, 1955

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

No. 1, from No Commercial Zone to \_\_\_\_\_ 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 \_\_\_\_\_ 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>13 3/8</u>              | <u>48</u>       | <u>8 PD</u>      | <u>H-40</u> | <u>157'</u> | <u>Larkin</u> | <u>None</u>         | <u>-</u>   | <u>-</u> | <u>Surface</u>      |
| <u>8 5/8</u>               | <u>32</u>       | <u>8 PD</u>      | <u>Used</u> | <u>2820</u> | <u>---</u>    | <u>---</u>          | <u>-</u>   | <u>-</u> | <u>Intermediate</u> |
| HISTORY OF OIL OR GAS WELL |                 |                  |             |             |               |                     |            |          |                     |

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>157</u>  | <u>160</u>             | <u>Circulation</u>  | <u>-</u>    | <u>-</u>           |
| <u>8 5/8</u>  | <u>2820</u> | <u>25</u>              | <u>Perkins Plug</u> | <u>-</u>    | <u>-</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 Surface feet to 2820 feet, and from --- feet to --- feet  
Cable tools were used from 2820 feet to TD feet, and from --- feet to --- feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing Temporarily Abandoned, 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

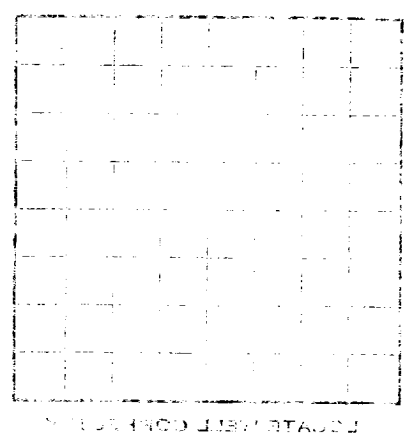
\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET  | FORMATION                                                     |
|-------------|-------------|-------------|---------------------------------------------------------------|
| <u>0</u>    | <u>2500</u> | <u>2500</u> | <u>Red Beds</u>                                               |
| <u>2500</u> | <u>2590</u> | <u>90</u>   | <u>Salt &amp; Anhydrite</u>                                   |
| <u>2590</u> | <u>2620</u> | <u>30</u>   | <u>Anhydrite</u>                                              |
| <u>2620</u> | <u>2750</u> | <u>130</u>  | <u>Salt</u>                                                   |
| <u>2750</u> | <u>4090</u> | <u>1340</u> | <u>Anhydrite, Sand &amp; Shale with Stringers of Dolomite</u> |
| <u>4090</u> | <u>4478</u> | <u>388</u>  | <u>Dolomite</u>                                               |

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Well is temporarily abandoned pending further study.

Table with 2 columns: Depth (feet) and Description. Data includes depths from 36 to 4305 feet and descriptions like 'No Commercial Quantity of Oil Found' and 'Recovered 99 gals. of water and very slight sum of oil'.

Record of Natural Tests (Belling Test)  
One Hour each:

Table with 4 columns: FROM, TO, TOTAL FEET, and FORMATION. It contains detailed geological data and well logs.