

U. S. LAND OFFICE **Las Cruces**  
 SERIAL NUMBER **063875**  
~~LEASE OR PERMIT TO PROSPECT~~  
**Poker Lake Unit**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

### LOCATE WELL CORRECTLY

Company H. N. SWEENEY Address Hinkle Bldg., Roswell, N.M.  
 Lessor or Tract Poker Lake Unit Field Wildcat State New Mexico  
 Well No. 4 Sec. 21 T. 25S R. 30E Meridian N.M.P.M. County Eddy  
 Location 1980 ft. [N.] of \$ Line and 660 ft. [E.] of W Line of Sec. 21 Elevation 3280.  
 (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.

Date **February 15, 1958**

Title Operator

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

Commenced drilling September 7, 1957 Finished drilling November 26, 1957.

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 1873 to 1878 No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2 from SINGAPORE 1900-000 00000 No. 5, from 1901-1902 1901-1902

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

THE 2000' 1900' 1800' 1700' 1600' 1500' 1400' 1300' 1200' 1100' 1000' 900' 800' 700' 600' 500' 400' 300' 200' 100' 0'

OF 1400' 1300' 1200' 1100' 1000' 900' 800' 700' 600' 500' 400' 300' 200' 100' 0'

IMPORTANT WATER SANDS SECTION CINGO OTI

No. 2 from 1900' to 1400'

1900' 1800' 1700' 1600' 1500' 1400' 1300' 1200' 1100' 1000' 900' 800' 700' 600' 500' 400' 300' 200' 100' 0'

No. 1, from ~~None~~

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— |            |
| 10-3/4      | 32# | 8.84            | Used             | 463'  | T.P.   |              |                     |            |     | Surface    |
| 5-1/2       | 14# | 2.84            | Used             | 1000' | Rock   |              |                     |            |     | Production |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10-3/4      | 453       | 85                     | Halliburton |             |                    |
| 5-1/2       | 3855      | 100                    | Halliburton |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

## 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 355 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from 3855 feet to 3878 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

Put to producing **November 26**, 19**57**.

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 **2000,000** (estimated) gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. -----

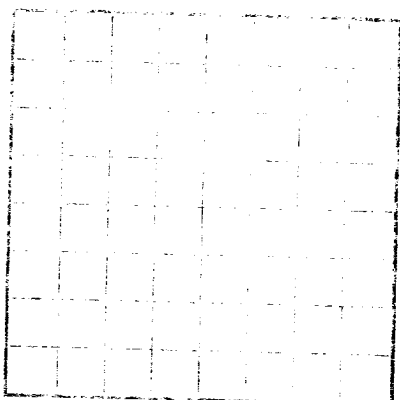
## EMPLOYEES

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

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

# FORMATION RECORD

| FORMATION RECORD |      |               |                                                              |
|------------------|------|---------------|--------------------------------------------------------------|
| FROM—            | TO—  | TOTAL FEET    | FORMATION                                                    |
| Surface          | 390  | 390           | Surface sands and gravels                                    |
| 390              | 520  | 130           | Red Calcareous clays                                         |
| 520              | 1015 | 495           | Blue to gray sandy clays, and ss.                            |
| 1015             | 1080 | 65            | Red clay and ss                                              |
| 1080             | 2585 | 1505          | Interbedded gyp, anh., red sh. & dolo.                       |
| 2585             | 3150 | 565           | White and tan banded anhydrite w/<br>dolomite strks., rd sh. |
| 3150             | 3640 | 490           | Salt, polyhalite, anhydrite                                  |
| 3640             | 3830 | 190           | Dns. white-tan anhydrite                                     |
| 3830             | 3870 | 40            | Black calcareous shale w/ some ss.                           |
| 3870             | 3878 | 8             | White sandstone (Delaware)                                   |
|                  |      | <u>Top</u>    | (Gamma-ray)                                                  |
|                  |      | Castile       | - 2585                                                       |
|                  |      | Base of salt  | - 3642                                                       |
|                  |      | Delaware Lime | - 3828                                                       |
|                  |      | Delaware sand | - 3862                                                       |



OFFICE OF THE ATTORNEY GENERAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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Continued on back of page 2  
September 2, 1945  
The Bureau of the FBI is in receipt of the following information from the Bureau of the Navy:

Subsequent to completion, well had shut-in pressure of 1400#. Fractured zone casing with 5000 gallons crude oil and 5000# sand. Taping run to 3867'. Load oil never recovered, but at least flowed 50 barrels of salt water, 3 barrels oil, and estimated 500,000 cubic ft. gas per day by readings. Well shut in.

800' of 8-5/8-24# casing stuck in hole and pulled top 60'.

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 sealing.

## HISTORY OF OIL OR GAS WELL

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