

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 029389-0

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Paton Brothers Address Artesia, New Mexico  
Lessor or Tract Paton-Irwin Field North Shugart State New Mexico  
Well No. 1-A Sec. 9 T. 188 R. 31E Meridian NMPM County Eddy  
Location 660 ft. [S.] of 660 Line and 660 ft. [W.] of \_\_\_\_\_ Line of \_\_\_\_\_ Elevation 3688  
(Denote foot 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 \_\_\_\_\_

Title \_\_\_\_\_

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

Commenced drilling April 25, 1939 Finished drilling June 12, 1939

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ 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— |         |
| 8"                         | 803'            |                  |      |        |              |                     |            |     |         |
| 7"                         | 3005'           |                  |      |        |              |                     |            |     |         |
| 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 |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8"          | 803'      | 100 Sacks              |             |             |                    |
| 7"          | 3005'     | " "                    |             |             |                    |

## 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 |
|------|------------|----------------|----------|---------|------------|-------------------|
|      |            | Glycerin       | 160 qts  | 8/18/39 |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 3210 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

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        |
|-------|------|------------|------------------|
| 0     | 50   | 50         | Red sand         |
| 50    | 125  | 75         | Red Shale        |
| 125   | 165  | 40         | Red Bed          |
| 165   | 225  | 60         | Red Bed          |
| 225   | 305  | 80         | Red Sand         |
| 305   | 370  | 65         | Red Rock         |
| 370   | 510  | 140        | Red Rock         |
| 510   | 590  | 80         | Red Rock         |
| 590   | 610  | 20         | Anhydrite        |
| 610   | 625  | 15         | Red Rock         |
| 625   | 660  | 35         | Anhydrite        |
| 660   | 705  | 45         | Anhydrite        |
| 705   | 735  | 30         | Anhydrite        |
| 735   | 745  | 10         | Anhydrite        |
| 745   | 760  | 15         | Red rock         |
| 760   | 790  | 30         | Red Bed          |
| 790   | 803  | 13         | Anhydrite        |
| 803   | 813  | 10         | Anhydrite        |
| 813   | 825  | 12         | Anhydrite        |
| 825   | 845  | 20         | Salt & Anhydrite |
| 845   | 940  | 95         | Anhydrite & Salt |
| 940   | 1005 | 65         | Salt & Anhydrite |
| 1005  | 1040 | 35         | Anhydrite        |
| 1040  | 1060 | 20         | Salt & Anhydrite |
| 1060  | 1095 | 35         | Anhydrite        |
| 1095  | 1260 | 165        | Salt & Red Rock  |

FORMATION RECORD—CONTINUED

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

UNITED STATES

Completed drilling \_\_\_\_\_, 1931. Finished drilling \_\_\_\_\_, 1931.  
The summary on this page is for the condition of the well as above stated.  
Date \_\_\_\_\_  
Signed \_\_\_\_\_

And now, (T)

IMPORTANT WATER SAVING

CLASSIFIED

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 "mended," 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 piers 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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**FORMATION RECORD—Continued**

WORLD WAR I