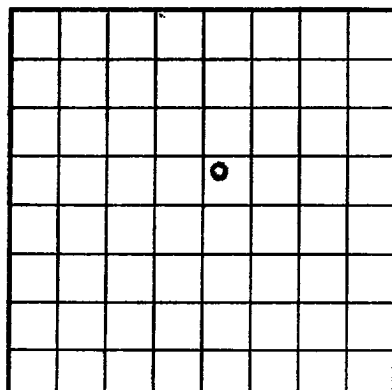


RECEIVED  
AUG 3 1951Budget Bureau No. 42-R355.  
Approval expires 11-30-46.U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 062376  
LEASE OR PERMIT TO PROSPECT Lane

LOCATE WELL CORRECTLY

Oil Cons. Comm.

Artesia Office UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Estelle H. Yates Address 311 Carper Building, Artesia, N.J.  
Lessor or Tract Lane Field Wildcat State New Mexico  
Well No. 2 Sec. 19 T. 19S R. 30E Meridian N.M.P.M. County Eddy  
Location 1920 ft. N. of N. Line and 2000 ft. E. of E. Line of Section 19 Elevation (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

Title AgentDate July 16th, 1951

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

Commenced drilling June 15th, 1951 Finished drilling July 6th, 1951

## 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 120' to 130' No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 1893' to 1899' 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 5/8"      | 376             | 50               | Halliburton | 50     | Guides       | 200'                |            |     | Well plugged & abandoned - Hole mudded to surface, 10 sack cement plug set on bottom - 15 sack cement plug spotted at 1400' and 376' - 10 sack cement at surface. |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8"      | 376       | 50                     | 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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing Plugged, 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  
C. V. Miller, Driller \_\_\_\_\_, Driller  
R. C. Jacobs

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION             |
|-------|------|------------|-----------------------|
| 0     | 30   | 30         | Soil caliche, red bed |
| 30    | 50   | 20         | Cyp & red rock        |
| 50    | 95   | 45         | Anhyd. - Red rock     |
| 95    | 120  | 25         | Anhyd.                |
| 120   | 130  | 10         | sand & gravel         |
| 130   | 150  | 20         | Anhyd.                |
| 150   | 195  | 45         | Anhyd.                |
| 195   | 205  | 10         | Grey shale            |
| 205   | 225  | 20         | Sand & gravel         |
| 225   | 350  | 75         | Red Bed & Anhyd.      |
| 350   | 1170 | 820        | Salt                  |
| 1170  | 1175 | 5          | Anhyd.                |
| 1175  | 1313 | 138        | Salt                  |
| 1313  | 1332 | 19         | Salt & Anhyd.         |
| 1332  | 1360 | 32         | Potash & Anhyd.       |
| 1360  | 1365 | 5          | Potash & Salt         |
| 1365  | 1455 | 50         | Anhyd. & Red rock     |
| 1455  | 1585 | 130        | Anhyd. & lime         |
| 1585  | 1700 | 115        | Anhyd.                |
| 1700  | 1707 | 7          | Sand & red rock       |
| 1707  | 1715 | 8          | Sand & Anhyd.         |
| 1715  | 1785 | 70         | Anhyd.                |
| 1785  | 1835 | 50         | Anhyd. & lime         |

FORMATION RECORD—Continued

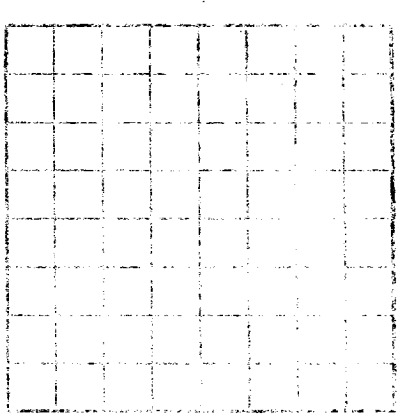
U.S. LAND OFFICE  
SERIAL NUMBER  
LEASE OR PERMIT TO PROSPECT

Approved by  
11-50-48

JUN 3 1951

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
UNITED STATES

LOG OF OIL OR GAS WELL



Address  
Field  
County  
State  
Latitude  
Longitude  
Elevation  
The information given herewith is a complete and correct record of the well and all work done thereon.  
Signed  
Title

Information on this page is for the condition of the well at above date.  
Completed drilling  
Finished drilling

| OIL OR GAS SANDS OR ZONES |    |            |    |
|---------------------------|----|------------|----|
| (Feet as 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. 4 from                | to | No. 6 from | to |

| CASING RECORD |      |    |         |
|---------------|------|----|---------|
| Depth         | From | To | Remarks |
| 10            | 10   | 10 | 10      |

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.

| HISTORY OF OIL OR GAS WELL                |             |                |                         |
|-------------------------------------------|-------------|----------------|-------------------------|
| MUDGING AND CEMENTING RECORD              |             |                |                         |
| Amount of cement                          | Method used | Depth          | Remarks                 |
| TOOLS AND ADAPTERS                        |             |                |                         |
| Size                                      | Length      | Depth          | Remarks                 |
| SHOOTING RECORD                           |             |                |                         |
| Explosive used                            | Quantity    | Date           | Depth                   |
| TOOLS USED                                |             |                |                         |
| History tools used from                   | feet to     | feet, and from | feet to                 |
| Other tools used from                     | feet to     | feet, and from | feet to                 |
| DATES                                     |             |                |                         |
| Put to producing                          |             |                |                         |
| Barrels of fluid of which                 |             |                |                         |
| Gravimetric, % Be                         |             |                |                         |
| Gallons gasoline per 1,000 cu. ft. of gas |             |                |                         |
| EMPLOYEES                                 |             |                |                         |
| Driller                                   |             |                |                         |
| Driller                                   |             |                |                         |
| FORMATION RECORD                          |             |                |                         |
| FROM                                      | TO          | TOTAL FEET     | FORMATION               |
| 1835                                      | 1852        | 17             | Lime & sand             |
| 1852                                      | 1876        | 24             | Gray sand               |
| 1876                                      | 1898        | 22             | Gray lime               |
| 1898                                      | 1899        | 1              | Dark gray lime & water. |
| 1899                                      |             |                | Total depth             |