

U. S. LAND OFFICE  
SERIAL NUMBER **LC 069107**  
LEASE OR PERMIT TO PROSPECT  
**Elliott-Parcell****RECEIVED**

DEC 29 1958

GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company **John W. Gates** Address **Box 596, Artesia, N. M. x.**  
Lessor or Tract **Elliott-Parcell** Field **Undesignated** State **New Mexico.**  
Well No. **3** Sec. **13** T. **19S** R. **28E** Meridian **N.M.P.M.** County **Eddy**  
Location **1980** ft. **[N]** of **N** Line and **660** ft. **[W]** of **E** Line of **Sec. 13** Elevation **3371**  
(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 W. Gates**Date **December 23, 1958** Title **Bookkeeper**

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

Commenced drilling **Oct. 13,** 19**58** Finished drilling **Nov. 8,** 19**58****OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from **2190** to **2199** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **2190** 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 case | Cut and pulled from | Perforated  |             | Purpose           |
|---------------|-----------------|------------------|-------------|-------------|--------------|---------------------|-------------|-------------|-------------------|
|               |                 |                  |             |             |              |                     | From        | To          |                   |
| <b>10"</b>    |                 |                  | <b>Used</b> | <b>348</b>  |              |                     |             |             |                   |
| <b>5 1/2"</b> |                 | <b>8</b>         | <b>New</b>  | <b>2330</b> |              |                     | <b>2190</b> | <b>2199</b> | <b>Production</b> |

**MUDDING AND CEMENTING RECORD**

| Size casing   | Where set   | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|---------------|-------------|------------------------|--------------------|-------------|--------------------|
| <b>10"</b>    | <b>348</b>  | <b>50</b>              | <b>Halliburton</b> |             |                    |
| <b>5 1/2"</b> | <b>2330</b> | <b>150</b>             | <b>Halliburton</b> |             |                    |

**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 **0** feet to **2330** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was **56** barrels of fluid of which **39.8** % was oil; \_\_\_\_\_ %  
emulsion **17.8** % 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**

**John Hammond**, Driller **Loyd Bowen**, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

| FROM— | TO—  | TOTAL FEET | FORMATION           |
|-------|------|------------|---------------------|
| 0     | 25   | 25         | Sand                |
| 25    | 30   | 5          | Red rock            |
| 30    | 80   | 50         | Red Bed             |
| 80    | 182  | 102        | Sand                |
| 182   | 200  | 18         | Anhydrite & Sand    |
| 200   | 265  | 65         | Anhydrite & red bed |
| 265   | 290  | 25         | Blue shale          |
| 290   | 405  | 115        | Red Bed & anhydrite |
| 405   | 435  | 30         | Salt                |
| 435   | 455  | 20         | Anhydrite           |
| 455   | 621  | 166        | Salt                |
| 621   | 945  | 324        | Anhydrite           |
| 945   | 1095 | 150        | Anhydrite & red bed |
| 1095  | 1230 | 135        | Anhydrite           |
| 1230  | 1265 | 35         | Sand                |
| 1265  | 1270 | 5          | Anhydrite           |
| 1270  | 1310 | 40         | Anhydrite & lime    |
| 1310  | 1320 | 10         | Sand                |
| 1320  | 1330 | 10         | Anhydrite           |
| 1330  | 1355 | 25         | Lime                |
| 1355  | 1385 | 30         | Anhydrite           |
| 1385  | 1440 | 55         | Anhydrite & lime    |
| 1440  | 1530 | 90         | Lime                |

(OVER)