

Las Cruces  
U. S. LAND OFFICE  
SERIAL NUMBER 054253  
LEASE OR PERMIT TO PROSPECT Lease  
Brainard

well, New Mexico UNITED STATES  
DEPARTMENT OF THE IN  
GEOLOGICAL SURVEY

# LOG OF OIL OR

RECEIVED  
DEC 4 1980  
Bureau of Land Management  
GAS

## LOCATE WELL CORRECTLY

Company S. P. TATUM Address Box 352; Artesia, N. M.  
Lessor or Tract Julia Brainerd Field Loco Hills State N. Mex.  
Well No. 2 Sec. 3 T. 18N R. 29E Meridian N.M.P.M. County Adir  
Location 330 ft. {N.} of 5 Line and 165 ft. {E.} of 1 Line of Sec. 3; 18N; 29E Elevation 3512'  
(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.

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Signed J. Don Johnson  
J. Don Johnson  
Title AUDITOR

Date 11-30-39

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

Commenced drilling October 14, 1939 Finished drilling November 14, 1939

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 1690 to 1700  
No. 2, from 2380 to 2392  
No. 3, from 2485 to 2606  
No. 4, from to  
No. 5, from RECEIVED  
No. 6, from to

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from no water encountered to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_

**O. C. C.**  
**ARTERIA, OFFICE**

## 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" | 26#         | 20              | 19               | 1900 | 112    | 1-1/2        | 1-1/2               | 1-1/2      | 1-1/2 | 1-1/2   |
| 7"     | 0.          | 20              | 19               | 1900 | 112    | 1-1/2        | 1-1/2               | 1-1/2      | 1-1/2 | 1-1/2   |

### MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8 OD    | 412       | 50                     | Halliburton |             |                    |
| 7" OD       | 2498      | 100                    | Halliburton |             | 3 tons             |

## 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 |
|--------|------------|----------------|----------|------|------------|-------------------|
| 5 1/2" |            | nitro-glycerin | 100 lbs. |      | 2485-2606  | 2606              |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ feet to 2606 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

Put to producing October 15, 1939

The production for the first 24 hours was 300 barrels of fluid of which 100 % 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

|                |         |              |         |
|----------------|---------|--------------|---------|
| C. H. Crandall | Driller | C. V. Miller | Driller |
| J. B. Bryant   | Driller | Oscar Loyd   | Driller |

## FORMATION RECORD

| FROM- | TO-  | TOTAL FEET | FORMATION                             |
|-------|------|------------|---------------------------------------|
| 0     | 100  | 100        | Red Sand                              |
| 100   | 112  | 12         | Anhydrite                             |
| 112   | 117  | 5          | Red Mud                               |
| 117   | 185  | 68         | Anhydrite                             |
| 185   | 255  | 70         | Gypsum                                |
| 255   | 265  | 10         | Red Rock                              |
| 265   | 275  | 10         | Red Sand & Gravel                     |
| 275   | 320  | 45         | Red Sand                              |
| 320   | 345  | 25         | Anhydrite                             |
| 345   | 355  | 10         | Red Rock                              |
| 355   | 360  | 5          | Gyp & Red Rock                        |
| 360   | 380  | 20         | Red Rock                              |
| 380   | 390  | 10         | Anhydrite                             |
| 390   | 395  | 5          | Red Beds                              |
| 395   | 408  | 9          | Salt                                  |
| 408   | 410  | 2          | Potash                                |
| 410   | 855  | 445        | Salt & Potash                         |
| 855   | 960  | 105        | Anhydrite                             |
| 960   | 975  | 15         | Lime                                  |
| 975   | 990  | 15         | Anhydrite                             |
| 990   | 1020 | 30         | Anhydrite & Lime                      |
| 1020  | 1065 | 45         | Anhydrite                             |
| 1065  | 1120 | 55         | Anhydrite broken with Red Beds & Sand |
| 1120  | 1170 | 50         | Anhydrite & Sandy Red Rock            |
| 1170  | 1175 | 5          | Anhydrite                             |
| 1175  | 1180 | 5          | Red Rock                              |

