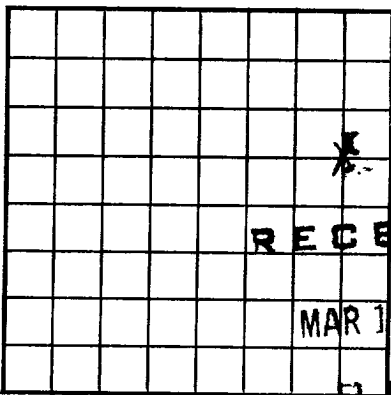


Las Cruces  
U. S. LAND OFFICE  
SERIAL NUMBER 029431  
LEASE OR PERMIT TO PROSPECT LeaseUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY, OFFICE

Company Barney Cockburn Address Box 115, Artesia, New Mexico  
Lessor or Tract George Etz Field Square Lake State New Mexico  
Well No. 13 Sec. 35 T. 16S R. 30E Meridian N M P H County Eddy  
Location 1980 ft. {X} of 66N Line and 660 ft. {X} of E Line of Section 35 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 \_\_\_\_\_  
Date April 28, 1943

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

Commenced drilling June 25, 1942 Finished drilling August 29, 1943

## 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— |                |
| 10"                        | 44              | 8                | 547'  | 547'   | Texas Pattern |                     |            |     | Water shut off |
| 8 1/2"                     | 35              | 8                | 100'  | 100'   |               |                     |            |     |                |
| 7"                         | 28              | 8                | 2380' | 2380'  |               |                     |            |     |                |
| 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 |
|-------------|-----------|------------------------|-------------------------|-------------|--------------------|
| 10"         | 547'      | 50 sacks               | International Cementers |             | 50 sacks           |
| 8 1/2"      | 100'      | 50 "                   | " "                     | " "         | 50 "               |
| 7"          | 2380'     | 100 "                  | " "                     | " "         | 50 "               |

## 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 2450' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

April 28, 1943 Put to producing Well Plugged, 1943

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  
Albert Gormley, Driller Britton Coll, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION           |
|-------|------|------------|---------------------|
| 0     | 50   | 50         | Sand and Caliche    |
| 50    | 70   | 20         | Loose Red Sand      |
| 70    | 80   | 10         | Shelly              |
| 80    | 130  | 50         | Caliche             |
| 130   | 180  | 50         | Red Sand            |
| 180   | 195  | 15         | Gravel Bed          |
| 195   | 220  | 25         | Chief Sand          |
| 220   | 405  | 185        | Red Beds            |
| 405   | 445  | 40         | Gypsum              |
| 445   | 485  | 40         | Anhydrite           |
| 485   | 505  | 20         | Red Bed             |
| 505   | 530  | 25         | Red Mud             |
| 530   | 547  | 17         | Anhydrite           |
| 547   | 565  | 18         | Red Shale           |
| 565   | 585  | 20         | Salt                |
| 585   | 635  | 50         | Polyhalite and Salt |
| 635   | 755  | 120        | Salt                |
| 755   | 850  | 95         | Polyhalite and Salt |
| 850   | 1110 | 260        | Salt                |
| 1110  | 1135 | 25         | Anhydrite           |
| 1135  | 1175 | 40         | Salt and Polyhalite |
| 1175  | 1275 | 100        | Salt                |
| 1275  | 1300 | 25         | Anhydrite           |
| 1300  | 1305 | 5          | Shale               |
| 1305  | 1340 | 35         | Anhydrite and Shale |
| 1340  | 1445 | 105        | Anhydrite           |

FORMATION RECORD—Continued

|  |  |  |  |  |  |  |  |  |  |
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RECEIVED

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LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTION OFFICE

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
UNITED STATES

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

Company Name  
Person or Firm  
Well No.  
Location  
The information given is a complete and correct record of the well and all work done thereon so far as can be determined from available records.

Signed  
The company on this page is the owner of the well as shown on the accompanying drilling permit.

OIL OR GAS SANDS OR ZONES

From  
To  
Feet

IMPORTANT WATER SANDS

From  
To  
Feet

CASING RECORD

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 "sidepacked" 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

U. S. GOVERNMENT PRINTING OFFICE 9-6745

| FROM- | TO-  | TOTAL FEET | FORMATION                      |
|-------|------|------------|--------------------------------|
| 1445  | 1490 | 45         | Red Rock and Shale             |
| 1490  | 1525 | 35         | Red Rock and Anhydrite         |
| 1525  | 1555 | 30         | Anhydrite                      |
| 1555  | 1580 | 25         | Shale                          |
| 1580  | 1640 | 60         | Anhydrite and Shale            |
| 1640  | 1680 | 40         | Anhydrite                      |
| 1680  | 1745 | 65         | Lime                           |
| 1745  | 1800 | 55         | Anhydrite and Lime             |
| 1800  | 1820 | 20         | Anhydrite                      |
| 1820  | 1845 | 25         | Anhydrite and Shale            |
| 1845  | 1900 | 55         | Anhydrite and Red Rock         |
| 1900  | 1945 | 45         | Anhydrite and Red Rock         |
| 1945  | 2000 | 55         | Anhydrite                      |
| 2000  | 2020 | 20         | Anhydrite and Red Shale        |
| 2020  | 2065 | 45         | Anhydrite                      |
| 2065  | 2100 | 35         | Anhydrite and Shale            |
| 2100  | 2170 | 70         | Shale, Anhydrite and Red Rock  |
| 2170  | 2200 | 30         | Anhydrite and Red Rock         |
| 2200  | 2255 | 55         | Anhydrite                      |
| 2255  | 2280 | 25         | Anhydrite and Red Shale        |
| 2280  | 2300 | 20         | Anhydrite and Lime Shells      |
| 2300  | 2325 | 25         | Anhydrite and Shale            |
| 2325  | 2340 | 15         | <del>Anhydrite</del> Anhydrite |
| 2340  | 2350 | 10         | Red Sand                       |
| 2350  | 2360 | 10         | Water Sand                     |
| 2360  | 2375 | 15         | Red Sand and Lime              |
| 2375  | 2380 | 5          | Lime                           |
| 2380  | 2395 | 15         | Anhydrite                      |
| 2395  | 2425 | 30         | Lime                           |
| 2425  | 2450 | 25         | Lime and Anhydrite             |
| 2450  |      |            |                                |