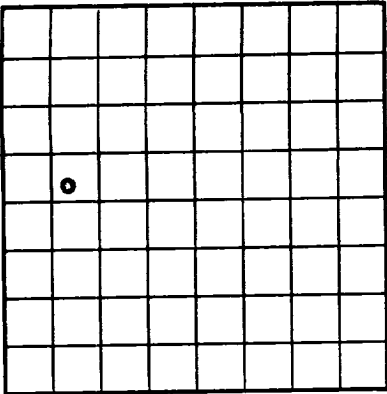




LOCATE WELL CORRECTLY

RECEIVED  
GEOLOGICAL SURVEY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Roswell, New Mexico

LOG OF OIL OR GAS WELL

Company S. I. YATES Address Box 352, Artesia, New Mexico  
Lessor or Tract Brainard Field Loco Hills State New Mexico  
Well No. 5 Sec. 3 T. 18S R29E Meridian N.M.P.M. Countyddy  
Location 2310 ft. {N.} of N. Line and 990 ft. {E.} of W. Line of Sec. 3, Elevation 3510 ft. (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 S. I. Yates  
Date May 18, 1940 Title Operator

The summary on this page is for the condition of the well at above date.  
Commenced drilling April 5, 1940 Finished drilling May 10, 1940

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 1/2" OD   | 24.4            | 10               | S. H.       | 4031   | Plain        |                     |            |     | Salt String |
| 7" OD       | 20.5            | 10               | Halliburton | 2583   | Guide shoe   |                     |            |     | String      |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 1/2" OD   | 404       | 50                     | Halliburton |             |                    |
| 7" OD       | 2485      | 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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            | Nitro-Glycerin | 100 qts. | 5-7  | 2562-2583  | 2590'             |

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet  
Cable tools were used from 0 feet to 2590 feet, and from feet to feet

DATES

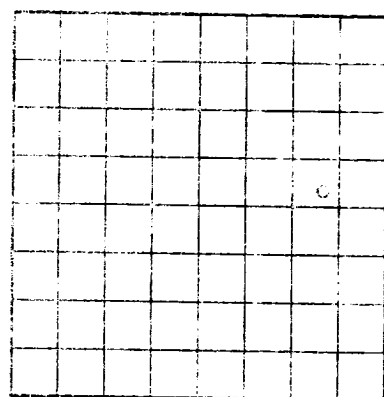
Put to producing  
The production for the first 12 hours was 260 barrels of fluid of which 100% was oil; 10% emulsion; 10% water; and 10% sediment. Gravity, 38.  
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in.

EMPLOYEES

J. B. Bryant, Driller C. V. Miller, Driller  
A. E. Maxwell, Driller W. C. Gray, Driller

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                      |
|-------|------|------------|--------------------------------|
| 0     | 70   | 70         | Sand & gravel                  |
| 70    | 100  | 30         | Red mud                        |
| 100   | 245  | 145        | Gyp                            |
| 245   | 325  | 80         | Red Shale                      |
| 325   | 370  | 45         | Red mud                        |
| 370   | 385  | 15         | Broken Shale - Red             |
| 385   | 840  | 455        | Salt & Potash -                |
| 840   | 1040 | 200        | Anhydrite                      |
| 1040  | 1090 | 50         | Anhydrite & Red Shale          |
| 1090  | 1135 | 45         | Anhydrite - Broken             |
| 1135  | 1155 | 20         | Anhydrite & Red Shale - Broken |
| 1155  | 1170 | 15         | Anhydrite                      |
| 1170  | 1210 | 40         | Anhydrite & Red Rock           |
| 1210  | 1265 | 55         | Anhydrite - Broken             |
| 1265  | 1285 | 20         | Anhydrite & Shale Broken       |
| 1285  | 1305 | 20         | Anhydrite                      |
| 1305  | 1385 | 80         | Anhydrite Broken               |
| 1385  | 1535 | 150        | Anhydrite                      |
| 1535  | 1595 | 60         | Brown Line & Anhydrite         |
| 1595  | 1815 | 220        | Anhydrite                      |
| 1815  | 1850 | 35         | Anhydrite & Brown Line         |
| 1850  | 2002 | 152        | Anhydrite                      |
| 2002  | 2012 | 10         | Anhydrite Broken               |
| 2012  | 2030 | 18         | Anhydrite & Line               |



LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Geological Survey  
Geological Survey  
Geological Survey

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

U.S. LAND OFFICE  
Serial Number  
Survey

Company \_\_\_\_\_  
Lessor or Trust \_\_\_\_\_  
Well No. \_\_\_\_\_  
Location \_\_\_\_\_  
The formation given herewith is a complete record of the well and all work done thereon  
so far as it is determined from the logs and reports.  
Signed \_\_\_\_\_  
Date \_\_\_\_\_  
The summary on this page is for the \_\_\_\_\_ of the well at above date  
Commented entries \_\_\_\_\_

## OIL OR GAS SANDS OR ZONES

| No. 1 from | No. 4 from |
|------------|------------|
| No. 2 from | No. 5 from |
| No. 3 from | No. 6 from |

## IMPORTANT WATER SANDS

| No. 1 from | No. 4 from |
|------------|------------|
| No. 2 from | No. 5 from |

## CASING RECORD

| Size | Weight | Thread | Length | Kind of steel | Run and pulled from | Purpose |
|------|--------|--------|--------|---------------|---------------------|---------|
|------|--------|--------|--------|---------------|---------------------|---------|

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, 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

### MUDDING AND CEMENTING RECORD

| Water used | Number sacks of cement | Method used | Method used | Amount of mud used |
|------------|------------------------|-------------|-------------|--------------------|
|------------|------------------------|-------------|-------------|--------------------|

### PLUGS AND ADAPTERS

| Plugs | Adapters |
|-------|----------|
|-------|----------|

### SHOOTING RECORD

| Shot | Depth | Charge | Result |
|------|-------|--------|--------|
|------|-------|--------|--------|

### TOOLS USED

| Tool | Used from | Used to |
|------|-----------|---------|
|------|-----------|---------|

### DATES

| Date | Event |
|------|-------|
|------|-------|

### EMPLOYEES

| Name | Position |
|------|----------|
|------|----------|

### FORMATION RECORD

| FORMATION                   | FEET | TO   | FROM |
|-----------------------------|------|------|------|
| anhydrite                   | 25   | 2095 | 2030 |
| Red Sand                    | 40   | 2095 | 2055 |
| anhydrite                   | 125  | 2220 | 2095 |
| lime                        | 25   | 2245 | 2220 |
| Red shale                   | 5    | 2250 | 2245 |
| anhydrite                   | 10   | 2260 | 2250 |
| Grey lime                   | 15   | 2275 | 2260 |
| anhydrite                   | 30   | 2305 | 2275 |
| Sandy lime                  | 30   | 2335 | 2305 |
| Red Sand                    | 15   | 2350 | 2335 |
| anhydrite and Red Sand      | 20   | 2370 | 2350 |
| anhydrite and Red shale     | 20   | 2390 | 2370 |
| Red Sand                    | 10   | 2400 | 2390 |
| anhydrite & Red shale       | 5    | 2405 | 2400 |
| anhydrite & Red shale       | 5    | 2405 | 2400 |
| lime                        | 5    | 2445 | 2405 |
| Red shale                   | 5    | 2450 | 2445 |
| anhydrite                   | 15   | 2465 | 2450 |
| anhydrite & Red shale       | 15   | 2470 | 2465 |
| Brown lime & shale breads   | 5    | 2470 | 2465 |
| Grey lime                   | 80   | 2550 | 2470 |
| Grey lime - Sandy           | 10   | 2560 | 2550 |
| Sand & Sandy shale - Broken | 15   | 2575 | 2560 |
| Sandy shale                 | 5    | 2580 | 2575 |
| Grey lime                   | 10   | 2590 | 2580 |