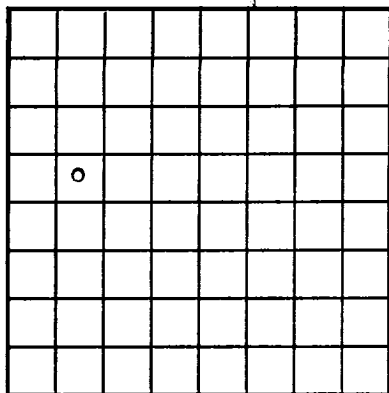


U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 054253  
LEASE OR PERMIT TO PROSPECT LeaseUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company S.P. Yates Address Box 352, Artesia, New Mexico  
Lessor or Tract Brainard Field Loco Hills State New Mexico  
Well No. 5 Sec. 3 T. 18S R. 29E Meridian N.M.P.M. County Eddy  
Location 2310 ft. {N.} of {S.} Line and 990 ft. {E.} of {W.} Line of Sec. 3 Elevation 3510'  
(Denote 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. P. 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 1/4"      | 24#             | 10               | SH   | 403'   | Plain        |                     |            |     | Salt String      |
| 7"          | 20#             | 10               | New  | 2485'  | Halliburton  |                     |            |     | Producing String |
|             |                 |                  |      |        |              |                     |            |     |                  |
|             |                 |                  |      |        |              |                     |            |     |                  |
|             |                 |                  |      |        |              |                     |            |     |                  |
|             |                 |                  |      |        |              |                     |            |     |                  |
|             |                 |                  |      |        |              |                     |            |     |                  |
|             |                 |                  |      |        |              |                     |            |     |                  |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 1/4"      | 403'      | 50                     | Halliburton |             |                    |
| 7"          | 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-Glycerine | 100 cts. | 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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_  
The production for the first 24 hours was 260 barrels of fluid of which 100 % was oil; No %  
emulsion; No % water; and No % sediment. Gravity, °Bé. API 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

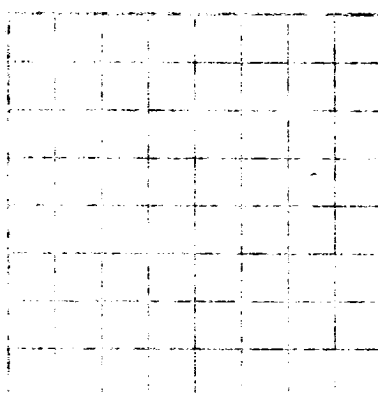
J. B. Bryant, Driller C. V. Miller, Driller  
A. E. Maxwell, Driller W.N. Gray, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                      |
|-------|------|------------|--------------------------------|
| 0     | 70   |            | Sand & gravel                  |
| 70    | 100  |            | Red mud                        |
| 100   | 245  |            | Gyp                            |
| 245   | 325  |            | Red shale                      |
| 325   | 370  |            | Red mud                        |
| 370   | 385  |            | Broken shale - red             |
| 385   | 840  |            | Salt & potash                  |
| 840   | 1040 |            | Anhydrite                      |
| 1040  | 1090 |            | Anhydrite & red shale          |
| 1090  | 1135 |            | Anhydrite - broken             |
| 1135  | 1155 |            | Anhydrite & red shale - broken |
| 1155  | 1170 |            | Anhydrite                      |
| 1170  | 1210 |            | Anhydrite & red rock           |
| 1210  | 1265 |            | Anhydrite - broken             |
| 1265  | 1285 |            | Anhydrite & shale broken       |
| 1285  | 1305 |            | Anhydrite                      |
| 1305  | 1385 |            | Anhydrite broken               |
| 1385  | 1535 |            | Anhydrite                      |
| 1535  | 1595 |            | Brown lime & anhydrite         |
| 1595  | 1815 |            | Anhydrite                      |
| 1815  | 1850 |            | Anhydrite & brown lime         |
| 1850  | 2002 |            | Anhydrite                      |
| 2002  | 2012 |            | Anhydrite broken               |
| 2012  | 2030 |            | Anhydrite & lime               |

(OVER)

VIEW AND GO ON TO NOW

[illegible][illegible]

END OF PAGE 1

[illegible]

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 "screwed" 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 16-50085-1

| FROM - | TO - | TOTAL FEET | FORMATION                   |
|--------|------|------------|-----------------------------|
| 2 030  | 2055 |            | Anhydrite                   |
| 2055   | 2095 |            | Red sand                    |
| 2095   | 2220 |            | Anhydrite                   |
| 2220   | 2245 |            | Lime                        |
| 2245   | 2250 |            | Red shale                   |
| 2250   | 2260 |            | Anhydrite                   |
| 2260   | 2275 |            | Grey lime                   |
| 2275   | 2305 |            | Anhydrite                   |
| 2305   | 2335 |            | Sandy lime                  |
| 2335   | 2350 |            | Red sand                    |
| 2350   | 2370 |            | Anhydrite and red sand      |
| 2370   | 2390 |            | Anhydrite and red shale     |
| 2390   | 2400 |            | Red sand                    |
| 2400   | 2405 |            | Anhydrite & red shale       |
| 2405   | 2440 |            | Brown lime                  |
| 2440   | 2475 |            | Red shale                   |
| 2475   | 2475 |            | Lime                        |
| 2475   | 2465 |            | Anhydrite & red shale       |
| 2465   | 2470 |            | Brown lime & shale          |
| 2470   | 2550 |            | Grey lime                   |
| 2550   | 2560 |            | Grey lime - sandy           |
| 2560   | 2575 |            | Sand & sandy shale - broken |
| 2575   | 2580 |            | Sandy shale                 |
| 2580   | 2590 |            | Grey lime T.D.              |