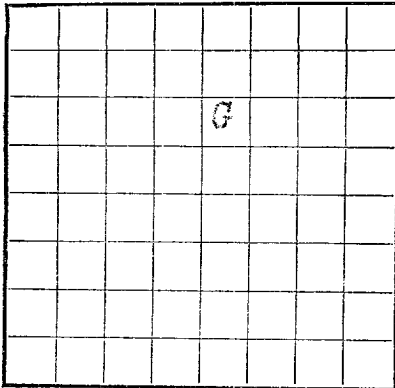


U. S. LAND OFFICE LAS CRUCESSERIAL NUMBER 029392 B

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company J. M. WELCH Address ARTESIA, NEW MEXICO  
Lessor or Tract HINKLE Field SO. SHUGART State NEW MEXICO  
Well No. I-35B Sec 35 T 18S R 31E Meridian N. M. P. M. County EDDY  
Location 2310 ft. N. of N. Line and 2310 ft. E. of S. Line of 35-18S-31E 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 J. M. WelchDate SEPTEMBER 12TH, 1957Title OWNER

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

Commenced drilling 5/2/57, 19\_\_\_\_ Finished drilling 9/19/57, 19\_\_\_\_

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3561 to 3590 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3678 to 3710 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 3850 to 3933 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—         |         |
| <u>8</u>                              | <u>28</u>       |                  |      |        | <u>TEX. PAT.</u> |                     |             |             |         |
| <u>7</u>                              | <u>30</u>       |                  |      |        | <u>DO</u>        |                     |             |             |         |
| <u>4 1/2</u>                          |                 |                  |      |        | <u>DO</u>        |                     |             |             |         |
| <u>4 1/2" LINER FROM 3590 TO 3933</u> |                 |                  |      |        |                  |                     | <u>3690</u> | <u>3700</u> |         |

## MUDDING AND CEMENTING RECORD

| Size casing  | Where set   | Number sacks of cement | Method used   | Mud gravity | Amount of mud used |
|--------------|-------------|------------------------|---------------|-------------|--------------------|
| <u>8</u>     | <u>925</u>  | <u>100</u>             | <u>DENTON</u> |             |                    |
| <u>7</u>     | <u>3640</u> | <u>100</u>             | <u>DO</u>     |             |                    |
| <u>4 1/2</u> | <u>3930</u> | <u>50</u>              | <u>DO</u>     |             |                    |

## 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 G feet to 3933 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing 9/7/57, 19\_\_\_\_

The production for the first 24 hours was 100700 barrels of fluid of which 98 % 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

ROMER LOWERY, Driller J. M. WELCH, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET  | FORMATION                |
|-------|-----|-------------|--------------------------|
|       |     | <u>15</u>   | <u>CYP</u>               |
|       |     | <u>250</u>  | <u>SAND &amp; RD</u>     |
|       |     | <u>290</u>  | <u>RED S &amp; S</u>     |
|       |     | <u>330</u>  | <u>ANHY. AND SHELLS</u>  |
|       |     | <u>760</u>  | <u>SDY. R. R.</u>        |
|       |     | <u>790</u>  | <u>ANHY.</u>             |
|       |     | <u>800</u>  | <u>RED ROCK</u>          |
|       |     | <u>845</u>  | <u>ANHY. &amp; SALT</u>  |
|       |     | <u>888</u>  | <u>ANHY.</u>             |
|       |     | <u>910</u>  | <u>SALT</u>              |
|       |     | <u>920</u>  | <u>ANHY.</u>             |
|       |     | <u>1015</u> | <u>ANHY. &amp; SHALE</u> |
|       |     | <u>1040</u> | <u>ANHY.</u>             |
|       |     | <u>2020</u> | <u>SALT</u>              |
|       |     | <u>2035</u> | <u>ANHY.</u>             |
|       |     | <u>2200</u> | <u>SALT</u>              |
|       |     | <u>2245</u> | <u>LIME</u>              |
|       |     | <u>2295</u> | <u>ANHY. SHALE</u>       |
|       |     | <u>2430</u> | <u>LIME</u>              |
|       |     | <u>2525</u> | <u>ANHY. &amp; SHALE</u> |
|       |     | <u>2580</u> | <u>ANHY.</u>             |
|       |     | <u>2625</u> | <u>ANHY. &amp; SHALE</u> |
|       |     | <u>2725</u> | <u>7. TIME</u>           |

| FROM— | TO— | TOTAL FEET | FORMATION              |
|-------|-----|------------|------------------------|
|       |     | 2775       | B. SAND                |
|       |     | 2790       | LIME                   |
|       |     | 2800       | SAND                   |
|       |     | 2815       | LIME & SHALE           |
|       |     | 3838       | SAND                   |
|       |     | 2865       | LIME                   |
|       |     | 2890       | SDY. LIME              |
|       |     | 2925       | LIME                   |
|       |     | 2940       | B. SAND                |
|       |     | 3237       | LIME                   |
|       |     | 3250       | RED SAND               |
|       |     | 3263       | LIME                   |
|       |     | 3275       | B. SAND & LIME         |
|       |     | 3370       | LIME                   |
|       |     | 3375       | SHALE                  |
|       |     | 3383       | LIME & SAND            |
|       |     | 3390       | LIME & SHALE           |
|       |     | 3436       | LIME                   |
|       |     | 3460       | RED SAND               |
|       |     | 3468       | RED SAND & LIME SHELLS |
|       |     | 3479       | R. SAND & G. SAND      |
|       |     | 3490       | R. SAND                |
|       |     | 3525       | LIME                   |
|       |     | 3582       | SDY. LIME              |
|       |     | 3688       | LIME                   |
|       |     | 3688       | SAND                   |
|       |     | 3707       | SAND & SHELL BRKS.     |
|       |     | 3712       | SAND                   |
|       |     | 3722       | LIME                   |
|       |     | 3740       | SDY. LIME              |
|       |     | 3756       | LIME                   |
|       |     | 3765       | SDY. LIME              |
|       |     | 3802       | LIME                   |
|       |     | 3840       | SANDY LIME             |
|       |     | 3868       | LIME                   |
|       |     | 3876       | SAND                   |
|       |     | 3883       | SAND & LIME            |
|       |     | 3894       | OIL SAND               |
|       |     | 3904       | SAND & LIME            |
|       |     | 3908       | LIME                   |
|       |     | 3927       | SANDY LIME             |
|       |     | 3933       | LIME                   |

HISTORY OF OIL OR GAS WELL

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, 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.