

U. S. LAND OFFICE Las CrucesSERIAL NUMBER LC 068474

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

Government "B"

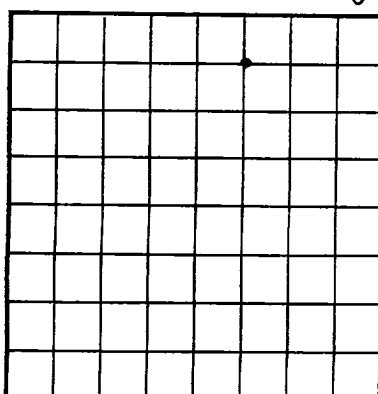
UNITED STATES Cities Service Oil Co.

## DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

AUG 2 1954

LOCAL SURVEY  
NEW MEXICO

LOCATE WELL CORRECTLY

Company Cities Service Oil Company Address Box 97, Hobbs, New MexicoLessor or Tract Government "B" Field Drickey-Queen State New MexicoWell No. 5 Sec. 10 T. 14S R. 31E Meridian NMPM County ChavesLocation 660 ft. N of N Line and 1980 ft. E of E Line of Sec. 10-14S-31E Elevation 4428 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 [Signature]Date July 30, 1954Title Asst. Division Supt.

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

Commenced drilling 7-2, 19 54 Finished drilling 7-19, 19 54

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3052' to 3072' 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—      |                |
| <u>8 5/8"</u> | <u>22.7</u>     | <u>SW SJ</u>     | <u>ARMCO</u> | <u>304</u>   | <u>Armco</u> | <u>-</u>            | <u>-</u>   | <u>-</u> | <u>Surface</u> |
| <u>5 1/2"</u> | <u>14</u>       | <u>SR</u>        | <u>J-55</u>  | <u>3036'</u> | <u>Baker</u> | <u>-</u>            | <u>-</u>   | <u>-</u> | <u>Oil</u>     |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set     | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---------------|---------------|------------------------|-------------|-------------|--------------------|
| <u>8 5/8"</u> | <u>314'</u>   | <u>150</u>             | <u>Plug</u> | <u>-</u>    | <u>-</u>           |
| <u>5 1/2"</u> | <u>304.2'</u> | <u>150</u>             | <u>Plug</u> | <u>-</u>    | <u>-</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 |
|-------------------------------------------------|------------|----------------|----------|------|------------|-------------------|
| <u>This well was neither shot nor acidized.</u> |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 3072 feet, and from - feet to - feetCable tools were used from - feet to - feet, and from - feet to - feet

## DATES

July 30, 19 54Put to producing (swabbing) July 20, 19 54The production for the first 24 hours was 101.3 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 37.0If gas well, cu. ft. per 24 hours - Gallons gasoline per 1,000 cu. ft. of gas -Rock pressure, lbs. per sq. in. -

## EMPLOYEES

Mr. Alexander, Driller -, DrillerMr. Robinson, Driller -, Driller

## FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET | FORMATION                       |
|-------------|-------------|------------|---------------------------------|
| <u>0</u>    | <u>35</u>   | <u>35</u>  | <u>Surface soil and caliche</u> |
| <u>35</u>   | <u>250</u>  | <u>215</u> | <u>Caliche and sand</u>         |
| <u>250</u>  | <u>375</u>  | <u>125</u> | <u>Red bed</u>                  |
| <u>375</u>  | <u>1050</u> | <u>675</u> | <u>Shale and red rock</u>       |
| <u>1050</u> | <u>1160</u> | <u>110</u> | <u>Shale and shells</u>         |
| <u>1160</u> | <u>1455</u> | <u>295</u> | <u>Shale</u>                    |
| <u>1455</u> | <u>1510</u> | <u>55</u>  | <u>Anhydrite</u>                |
| <u>1510</u> | <u>2175</u> | <u>665</u> | <u>Salt</u>                     |
| <u>2175</u> | <u>2760</u> | <u>585</u> | <u>Anhydrite and shale</u>      |
| <u>2760</u> | <u>2970</u> | <u>210</u> | <u>Shale</u>                    |
| <u>2970</u> | <u>3052</u> | <u>82</u>  | <u>Anhydrite</u>                |
| <u>3052</u> | <u>3072</u> | <u>20</u>  | <u>Sand</u>                     |

## Tops

2280' Yates3052' Queen

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Commenced drilling \_\_\_\_\_ 19\_\_\_\_  
 Finished drilling \_\_\_\_\_ 19\_\_\_\_  
 The summary on this page is for the condition of the well at above date.  
 Date \_\_\_\_\_ Title \_\_\_\_\_  
 Signed \_\_\_\_\_  
 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.  
 Location  $\text{Loc. ft. } \left\{ \begin{array}{l} N. \\ S. \end{array} \right\}$  of \_\_\_\_\_ line and \_\_\_\_\_  $\left\{ \begin{array}{l} R. \\ W. \end{array} \right\}$  of \_\_\_\_\_ line of \_\_\_\_\_  
 Elevation \_\_\_\_\_  
 County \_\_\_\_\_ State \_\_\_\_\_  
 Lessor or Trust \_\_\_\_\_  
 Company \_\_\_\_\_

No. 1 from ..... to .....  
No. 2 from ..... to .....  
No. 3 from ..... to .....  
**EXPERIMENT WATER SAMPLES**  
No. 1 from ..... to .....  
No. 2 from ..... to .....

**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 pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

| Serial Number | Depth of Well | Weight of Drill Pipe | Weight of Drill Bit | Kind of Case | Cut and Direction of Flow | Production | Purpose |
|---------------|---------------|----------------------|---------------------|--------------|---------------------------|------------|---------|
|---------------|---------------|----------------------|---------------------|--------------|---------------------------|------------|---------|

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