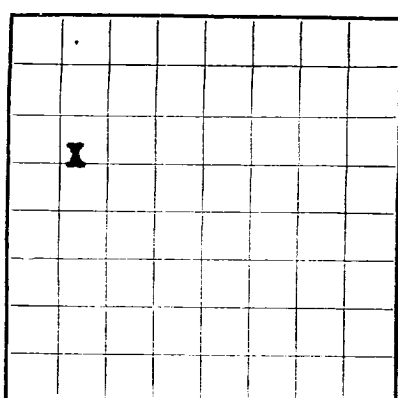


U. S. LAND OFFICE **Las Cruces**  
SERIAL NUMBER **062368**  
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **THE TEXAS COMPANY** Address **Box 1720, Fort Worth, Texas**  
Lessor or Tract **C. E. Penny MCT-4** Field **Langlie Mattix** State **New Mexico**  
Well No. **1** Sec. **19** T. **25-S** R. **38-E** Meridian **NMPM** County **Lea**  
Location **1980** ft. [S.] of **N** Line and **660** ft. [E.] of **N** Line of **Sec. 19** Elevation **3078' (DP)**  
(Derrick floor relative to surface)

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

Date **August 18, 1955**Title **Asst. Dist. Supt.**

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

Commenced drilling **7-23**, 19**55** Finished drilling **8-15**, 19**55**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3265'** to **3354'** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_  
**Well drilled with rotary and no water sands tested.**  
**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— |         |
| <b>8 5/8"</b> | <b>24#</b>      | <b>8 Rd.</b>     | <b>Sals</b> | <b>835'</b>  | <b>Baker</b>   | <b>---</b>          |            |     |         |
| <b>5 1/2"</b> | <b>16#</b>      | <b>8 Rd.</b>     | <b>Sals</b> | <b>3348'</b> | <b>Hallib.</b> | <b>---</b>          |            |     |         |
|               |                 |                  |             |              |                |                     |            |     |         |
|               |                 |                  |             |              |                |                     |            |     |         |
|               |                 |                  |             |              |                |                     |            |     |         |
|               |                 |                  |             |              |                |                     |            |     |         |
|               |                 |                  |             |              |                |                     |            |     |         |
|               |                 |                  |             |              |                |                     |            |     |         |
|               |                 |                  |             |              |                |                     |            |     |         |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set    | Number sacks of cement | Method used    | Mud gravity | Amount of mud used |
|---------------|--------------|------------------------|----------------|-------------|--------------------|
| <b>8 5/8"</b> | <b>851'</b>  | <b>800</b>             | <b>Hallib.</b> |             |                    |
| <b>5 1/2"</b> | <b>3360'</b> | <b>450</b>             | <b>Hallib.</b> |             |                    |
|               |              |                        |                |             |                    |
|               |              |                        |                |             |                    |
|               |              |                        |                |             |                    |
|               |              |                        |                |             |                    |
|               |              |                        |                |             |                    |
|               |              |                        |                |             |                    |
|               |              |                        |                |             |                    |

## 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 **0** feet to **3360** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing **8-15**, 19**55**  
The production for the first 24 hours was **384** barrels of fluid of which **100** % was oil; **0** %  
emulsion; **0** % water; and **0** % sediment. Gravity, °Bé. **36**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYERS

**M. S. Pettigrew** Driller **D. E. Arnold** Driller  
**D. J. Youngblood** Driller \_\_\_\_\_ Driller

## FORMATION RECORD

| FROM—            | TO—         | TOTAL FEET | FORMATION                         |
|------------------|-------------|------------|-----------------------------------|
| <b>0</b>         | <b>411</b>  | <b>411</b> | <b>Red Beds</b>                   |
| <b>411</b>       | <b>797</b>  | <b>386</b> | <b>Red Beds, Shells and Anahy</b> |
| <b>797</b>       | <b>1008</b> | <b>211</b> | <b>Anahy</b>                      |
| <b>1008</b>      | <b>1140</b> | <b>132</b> | <b>Salt</b>                       |
| <b>1140</b>      | <b>1360</b> | <b>220</b> | <b>Salt, Anahy, &amp; Shells</b>  |
| <b>1360</b>      | <b>2058</b> | <b>698</b> | <b>Salt &amp; Anahy</b>           |
| <b>2058</b>      | <b>2172</b> | <b>114</b> | <b>Anahy</b>                      |
| <b>2172</b>      | <b>2278</b> | <b>106</b> | <b>Anahy &amp; Salt</b>           |
| <b>2278</b>      | <b>2380</b> | <b>102</b> | <b>Anahy &amp; Gyp</b>            |
| <b>2380</b>      | <b>2470</b> | <b>90</b>  | <b>Anahy, Gyp, &amp; Lime</b>     |
| <b>2470</b>      | <b>2736</b> | <b>266</b> | <b>Anahy &amp; Lime</b>           |
| <b>2736</b>      | <b>3150</b> | <b>414</b> | <b>Anahy, Lime &amp; Gyp</b>      |
| <b>3150</b>      | <b>3226</b> | <b>76</b>  | <b>Lime &amp; Anahy</b>           |
| <b>3226</b>      | <b>3240</b> | <b>14</b>  | <b>Anahy, Lime &amp; Gyp</b>      |
| <b>3240</b>      | <b>3360</b> | <b>120</b> | <b>Lime</b>                       |
| <b>Total</b>     |             |            |                                   |
| <b>Depth</b>     | <b>3360</b> |            |                                   |
| <b>Plug Back</b> |             |            |                                   |
| <b>Depth</b>     | <b>3354</b> |            |                                   |

[OVER]

16-43994-2

All measurements from rotary table of 12' above ground

# FORMATION RECORD—Continued

| FROM—            | TO— | TOTAL FEET | FORMATION            |
|------------------|-----|------------|----------------------|
|                  |     |            | Anhydrite Top - 806' |
|                  |     |            | Salt Top - 1010'     |
|                  |     |            | Salt Base - 2320'    |
| <hr/>            |     |            |                      |
| Deviation Record |     |            |                      |
|                  |     | 109'       | -- 1°                |
|                  |     | 297'       | -- 1 1/2°            |
|                  |     | 400'       | -- 1 1/2°            |
|                  |     | 490'       | -- 1 3/4°            |
|                  |     | 603'       | -- 1 1/2°            |
|                  |     | 691'       | -- 1 1/2°            |
|                  |     | 820'       | -- 1 1/2°            |
|                  |     | 945'       | -- 1 1/2°            |
|                  |     | 1065'      | -- 3/4°              |
|                  |     | 1161'      | -- 3/4°              |
|                  |     | 1251'      | -- 3/4°              |
|                  |     | 1341'      | -- 1°                |
|                  |     | 1432'      | -- 1 1/2°            |
|                  |     | 1520'      | -- 1 1/2°            |
|                  |     | 1610'      | -- 1 1/2°            |
|                  |     | 1720'      | -- 1 1/2°            |
|                  |     | 1846'      | -- 1 3/4°            |
|                  |     | 1936'      | -- 1 3/4°            |
|                  |     | 2025'      | -- 1 3/4°            |
|                  |     | 2085'      | -- 1 3/4°            |
|                  |     | 2145'      | -- 1 1/2°            |
|                  |     | 2234'      | -- 1 1/2°            |
|                  |     | 2325'      | -- 1 1/2°            |
|                  |     | 2385'      | -- 1°                |
|                  |     | 2442'      | -- 1°                |
|                  |     | 2530'      | -- 1 3/4°            |
|                  |     | 2590'      | -- 1 1/2°            |
|                  |     | 2646'      | -- 1 1/2°            |
|                  |     | 2710'      | -- 1 3/4°            |
|                  |     | 2740'      | -- 1 3/4°            |
|                  |     | 2860'      | -- 2°                |
|                  |     | 2962'      | -- 2°                |
|                  |     | 3075'      | -- 2 1/2°            |
|                  |     | 3184'      | -- 2°                |
|                  |     | 3265'      | -- 2 1/2°            |

## 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 re-drilling, 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.

Well was drilled to a total depth of 3360' and cement was drilled out to plug back depth of 3354' after setting 5 1/2" casing at 3360' with 450 sacks cement. Perforated 5 1/2" casing from 3264'-3354' with 4 shots per foot on 8-12-55. Acidized through perforations from 3264'-3354' with 500 gal. mud acid on 8-12-55. Sand frac through perforations from 3264'-3354' with 10,000 gal. emulsified lease crude oil with 1 lb. of sand per gallon on 8-13-55. Well flowed 10 hrs. and recovered all load oil.

On 5 hr. official test ending 8 AM 8-15-55, well flowed 80 bbls. of 36 gravity oil through a 32/64" choke. G O R is 1156.