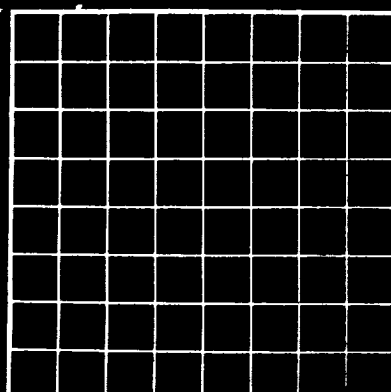




UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company **Humble Oil & Refg. Co.** Address **Box 2100, Houston, Texas**  
Lessor or Tract **Federal Leonard** Field **Dublin Wildcat** State **New Mexico**  
Well No. **1** Sec. **12** T. **26-S** R. **37-E** Meridian **Lea** County **Lea**  
Location **600** ft. **N.** of **—** Line and **600** ft. **E.** of **—** Line of **Sec. 12** 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 *[Signature]*  
Title **Asst. Division Supt.**

Date **11-23-44**

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

Commenced drilling **7-21**, 19 **43** Finished drilling **10-9-44**  
Other work completed **11-20-44**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1800** to **—** **Anhydrite** No. 4, from **9240** to **Downies**  
No. 2, from **8020-Permian** to **—** No. 5, from **9850-Silurian** to **—**  
No. 3, from **8670-Mesa** to **—** No. 6, from **10244-Montoya** to **—**  
**10780-Big Horn**  
**IMPORTANT WATER SANDS** **11,800, Ellenburger**  
No. 1, from **9900-Silurian** to **—** No. 3, from **—** to **—**  
No. 2, from **—** to **—** No. 4, from **11,900-Bottom Water** 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>13 3/8</b> | <b>54</b>       | <b>8-R</b>       | <b>Wat'l</b> | <b>466.61</b>   |              |                     |               |               |                 |
| <b>9 5/8</b>  | <b>36.40</b>    | <b>8-R</b>       | <b>Wat'l</b> | <b>8009.64</b>  |              |                     |               |               |                 |
| <b>5 1/2</b>  | <b>17.23</b>    | <b>8-R</b>       | <b>Wat'l</b> | <b>11943.55</b> | <b>Baker</b> |                     | <b>11,890</b> | <b>11,928</b> | <b>Oil Zone</b> |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set        | Number sacks of cement           | Method used  | Mud gravity | Amount of mud used |
|---------------|------------------|----------------------------------|--------------|-------------|--------------------|
| <b>13 3/8</b> | <b>463.28</b>    | <b>400-Lone Star</b>             | <b>Hall.</b> |             |                    |
| <b>9 5/8</b>  | <b>3020.89</b>   | <b>2060 Lanes &amp; Inear</b>    | <b>Hall.</b> |             |                    |
| <b>5 1/2</b>  | <b>11,969.00</b> | <b>810 Inflect Star Car Hall</b> |              |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material **None** Length **—** Depth set **—**  
Adapters—Material **—** Size **—**

## SHOOTING RECORD

| Size        | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|-------------|------------|----------------|----------|------|------------|-------------------|
| <b>None</b> |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from **0** feet to **11,969** feet, and from **—** feet to **—** feet  
Cable tools were used from **—** feet to **—** feet, and from **—** feet to **—** feet

## DATES

Put to producing **—**  
T **See Extra Sheet** the first 24 hours was **—** barrels of fluid of which **—** was oil, **—** was emulsion; **—** % water; and **—** % sediment. Gravity, **34.6**  
If gas well, cu. ft. per 24 hours **—** Gallons gasoline per 1000 cu. ft. of gas  
Rock pressure, lbs. per sq. in. **—**

## EMPLOYEES

Driller **—** Driller **—**  
**J. F. Hall** Driller **S. B. Brown** Driller  
**T. A. Halder**

## FORMATION RECORD

| FROM | TO   | TOTAL FEET | FORMATION                         |
|------|------|------------|-----------------------------------|
| 0    | 38   | 38         | Surface                           |
| 38   | 195  | 195        | Gravel & Sand                     |
| 195  | 280  | 280        | Red Bed                           |
| 280  | 381  | 381        | Red Bed & Shells                  |
| 381  | 482  | 482        | Red Bed & Hard Sand               |
| 482  | 519  | 519        | Red Rock                          |
| 519  | 593  | 593        | Red Bed & Shells                  |
| 593  | 704  | 704        | Hard sand                         |
| 704  | 832  | 832        | Red Bed & Shells                  |
| 832  | 914  | 914        | Red Bed & Anhydrite               |
| 914  | 1154 | 1154       | Anhydrite & Salt                  |
| 1154 | 1234 | 1234       | Red Bed & Anhydrite               |
| 1234 | 1284 | 1284       | Anhydrite & Red Bed               |
| 1284 | 1365 | 1365       | Anhydrite, Red Bed & Salt         |
| 1365 | 1465 | 1465       | Anhydrite Potash & Salt           |
| 1465 | 1561 | 1561       | Salt, Anhydrite, Potash (streaks) |
| 1561 | 1641 | 1641       | Salt & Anhydrite                  |
| 1641 | 1936 | 1936       | Anhydrite & Salt                  |
| 1936 | 2098 | 2098       | Anhydrite                         |
| 2098 | 2185 | 2185       | Salt & Anhydrite                  |
| 2185 | 2254 | 2254       | Anhydrite, Gyp & Salt             |
| 2254 | 2450 | 2450       | Salt & Anhydrite                  |
| 2450 | 2499 | 2499       | Gyp & Anhydrite                   |
| 2499 | 2574 | 2574       | Line                              |
| 2574 | 2642 | 2642       | Line & Anhydrite                  |
| 2642 | 2688 | 2688       | Line, Anhydrite & Gyp             |