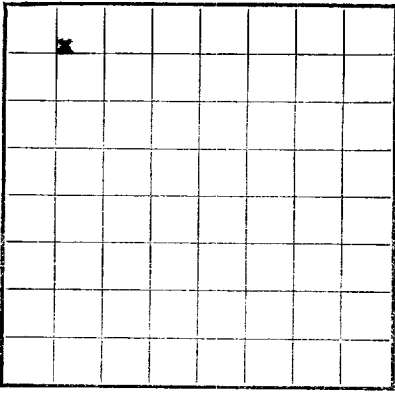


U. S. LAND OFFICE **Las Cruces**

SERIAL NUMBER **LE 049573-C**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **501 Wilco Building, Midland, Texas**

Lessor or Tract **Welch Unit** Field **Welch Penn.** State **New Mexico**

Well No. **1-X** Sec. **21** T. **26S** R. **27E** Meridian **NMPM** County **Eddy**

Location **660** ft. <sup>N</sup> of **N** Line and **760** ft. <sup>E</sup> of **W** Line of **Sec. 21** Elevation **3245**  
(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 **Lloyd E. Baskin** *[Signature]*

Date **July 29, 1957** Title **Drilling Foreman**

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

Re- Commenced drilling **May 10**, 19**57** Finished drilling **July 1**, 19**57**

OIL OR GAS SANDS OR ZONES  
*(Denote gas by G)*

No. 1, from **11630** to **11660 (G)** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **12035** to **12055 (G)** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **12286** to **12340 (G)** 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— |                     |
| <b>13-3/8</b> | <b>54.5</b>     |                  | <b>J-55</b> | <b>630</b>   | <b>Halliburton</b> |                     |              |     | <b>Surface</b>      |
| <b>9-5/8</b>  | <b>40.0</b>     |                  | <b>4-95</b> | <b>5694</b>  | <b>"</b>           |                     |              |     | <b>Intermediate</b> |
| <b>7</b>      | <b>32.0</b>     |                  | <b>4-95</b> | <b>12614</b> | <b>"</b>           | <b>11630</b>        | <b>12614</b> |     | <b>Production</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>630</b>    | <b>750</b>             | <b>Halliburton</b> |             |                    |
| <b>9-5/8</b>  | <b>5694</b>   | <b>3450</b>            | <b>"</b>           |             |                    |
| <b>7</b>      | <b>12,614</b> | <b>550</b>             | <b>"</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 **12,620** feet, and from **12,620** feet to **13,848** feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

~~BYE~~ **July 26**, 19**57** Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours **1,340 MCF** **Absolute Open Flow** \_\_\_\_\_ Gallons gas line per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. **3951**

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—                    | TO— | TOTAL FEET | FORMATION  |
|--------------------------|-----|------------|--|
| <b>Schlumberger Top:</b> |     |            |  |
| <b>Devonian - 13,613</b> |     |            | Well drilled to Total Depth of 13,848 feet in the Devonian formation. This formation found to be non-productive, therefore well plugged back to 12,490 feet with 50 sx cement plug @ 13,750 - 13,500, 30 sx cement plug @ 13,250 - 13,100, and 40 sx cement plug @ 12,800 - 12,600.  |
|                          |     |            | Well perforated and treated as indicated in following intervals:<br>11630 - 11660 perf. with 4 shots per foot and treated with 5000 gal. acid.<br>12035 - 12055 perf. with 4 shots per foot and treated with 5000 gal. acid.<br>12,286 - 12306 perf. with 4 shots per foot and 12,306 - 12,340 perf. with 2 shots per foot; these two intervals treated with 5000 gal acid, then with 10,000 gal oil and 5000# sand. |

