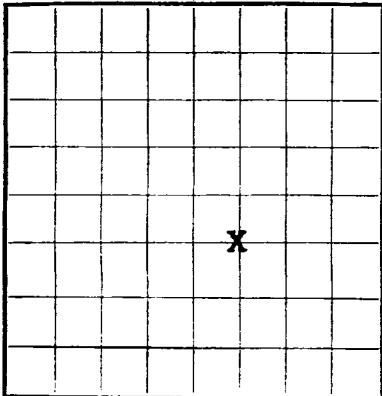




LOCATE WELL CORRECTLY

ROADS OFFICE 000

U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **025566**LEASE OR PERMIT TO PROSPECT **Lusk Unit**1963 JUL 8 AM 7:22  
UNITED STATES

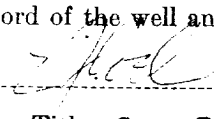
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **P. O. Box 1492, El Paso 99, Texas**  
Lessor or Tract **Lusk Unit** Field **Lusk-Strawn-Morrow** State **New Mexico**  
Well No. **5** Sec. **19** T. **19S** R. **32E** Meridian **NMPM** County **Lea**  
Location **1980** ft. **N.** of **S** Line and **1980** ft. **X.** of **E** Line of **Section 19** Elevation **3550 GL**  
(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 Date **July 1, 1963** Title **Supt. Pet. Eng.**

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

Commenced drilling **April 16**, 1963 Finished drilling **June 11**, 1963

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **11,207** to **11,221** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **11,221** to **11,224** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **12,408** to **12,412 (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>8</b>         | <b>Syang</b> | <b>850</b>    | <b>Howco</b> | <b>-----</b>        | <b>---</b>    | <b>---</b>    | <b>Surface</b> |
| <b>8-5/8</b>  | <b>32</b>       | <b>8</b>         | <b>CPI</b>   | <b>4506</b>   | <b>"</b>     | <b>-----</b>        | <b>---</b>    | <b>---</b>    | <b>Salt</b>    |
| <b>5-1/2</b>  | <b>20-17</b>    | <b>8-Butt.</b>   | <b>Young</b> | <b>12,554</b> | <b>"</b>     | <b>-----</b>        | <b>11,207</b> | <b>11,221</b> | <b>Prod.</b>   |
|               |                 |                  |              |               |              |                     | <b>11,221</b> | <b>11,240</b> | <b>Prod.</b>   |
|               |                 |                  |              |               |              |                     | <b>12,400</b> | <b>12,412</b> | <b>Prod.</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>850</b>    | <b>1050</b>            | <b>Plug</b>      |             |                    |
| <b>8-5/8</b>  | <b>4506</b>   | <b>3100</b>            | <b>Two stage</b> |             |                    |
| <b>5-1/2</b>  | <b>12,554</b> | <b>600</b>             | <b>Plug</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 **12,560** feet, and from **4506** feet to **9160** feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

**June 16**, 1963 Put to producing **July 1**, 1963

**Strawn** production for the first 24 hours was **362** barrels of fluid of which **100** % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, **46.2° API**

**Morrow** well, cu. ft. per 24 hours **9,450,000** Gallons gasoline per 1,000 cu. ft. GOR was **16,788/1**

Rock pressure, lbs. per sq. in. **5055 (Strawn) (Morrow) - 5200.**

## EMPLOYEES

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

## FORMATION RECORD

| FROM—         | TO—           | TOTAL FEET  | FORMATION           |
|---------------|---------------|-------------|---------------------|
| <b>0</b>      | <b>900</b>    | <b>900</b>  | <b>Red beds</b>     |
| <b>900</b>    | <b>1000</b>   | <b>100</b>  | <b>Rustler</b>      |
| <b>1000</b>   | <b>2320</b>   | <b>1320</b> | <b>Salt</b>         |
| <b>2320</b>   | <b>2480</b>   | <b>160</b>  | <b>Dolomite</b>     |
| <b>2480</b>   | <b>2840</b>   | <b>400</b>  | <b>Yates</b>        |
| <b>2840</b>   | <b>4450</b>   | <b>1610</b> | <b>Seven Rivers</b> |
| <b>4450</b>   | <b>7030</b>   | <b>2580</b> | <b>Delaware</b>     |
| <b>7030</b>   | <b>10,360</b> | <b>3330</b> | <b>Bone Springs</b> |
| <b>10,360</b> | <b>11,090</b> | <b>730</b>  | <b>Wolfcamp</b>     |
| <b>11,090</b> | <b>11,760</b> | <b>670</b>  | <b>Strawn</b>       |
| <b>11,760</b> | <b>12,560</b> | <b>800</b>  | <b>Morrow</b>       |

FORMATION RECORD-Continued

| FROM    | TO      | TOTAL FEET | FORMATION        |
|---------|---------|------------|------------------|
| 11.240' | 11.234' | 6'         | Test Strawn Zone |
| 11.234' | 11.221' | 13'        | Test Strawn Zone |
| 11.221' | 11.207' | 14'        | Test Strawn Zone |
| 11.207' | 11.190' | 17'        | Test Strawn Zone |
| 11.190' | 11.175' | 15'        | Test Strawn Zone |
| 11.175' | 11.160' | 15'        | Test Strawn Zone |
| 11.160' | 11.145' | 15'        | Test Strawn Zone |
| 11.145' | 11.130' | 15'        | Test Strawn Zone |
| 11.130' | 11.115' | 15'        | Test Strawn Zone |
| 11.115' | 11.100' | 15'        | Test Strawn Zone |
| 11.100' | 11.085' | 15'        | Test Strawn Zone |
| 11.085' | 11.070' | 15'        | Test Strawn Zone |
| 11.070' | 11.055' | 15'        | Test Strawn Zone |
| 11.055' | 11.040' | 15'        | Test Strawn Zone |
| 11.040' | 11.025' | 15'        | Test Strawn Zone |
| 11.025' | 11.010' | 15'        | Test Strawn Zone |
| 11.010' | 10.995' | 15'        | Test Strawn Zone |
| 10.995' | 10.980' | 15'        | Test Strawn Zone |
| 10.980' | 10.965' | 15'        | Test Strawn Zone |
| 10.965' | 10.950' | 15'        | Test Strawn Zone |
| 10.950' | 10.935' | 15'        | Test Strawn Zone |
| 10.935' | 10.920' | 15'        | Test Strawn Zone |
| 10.920' | 10.905' | 15'        | Test Strawn Zone |
| 10.905' | 10.890' | 15'        | Test Strawn Zone |
| 10.890' | 10.875' | 15'        | Test Strawn Zone |
| 10.875' | 10.860' | 15'        | Test Strawn Zone |
| 10.860' | 10.845' | 15'        | Test Strawn Zone |
| 10.845' | 10.830' | 15'        | Test Strawn Zone |
| 10.830' | 10.815' | 15'        | Test Strawn Zone |
| 10.815' | 10.800' | 15'        | Test Strawn Zone |
| 10.800' | 10.785' | 15'        | Test Strawn Zone |
| 10.785' | 10.770' | 15'        | Test Strawn Zone |
| 10.770' | 10.755' | 15'        | Test Strawn Zone |
| 10.755' | 10.740' | 15'        | Test Strawn Zone |
| 10.740' | 10.725' | 15'        | Test Strawn Zone |
| 10.725' | 10.710' | 15'        | Test Strawn Zone |
| 10.710' | 10.695' | 15'        | Test Strawn Zone |
| 10.695' | 10.680' | 15'        | Test Strawn Zone |
| 10.680' | 10.665' | 15'        | Test Strawn Zone |
| 10.665' | 10.650' | 15'        | Test Strawn Zone |
| 10.650' | 10.635' | 15'        | Test Strawn Zone |
| 10.635' | 10.620' | 15'        | Test Strawn Zone |
| 10.620' | 10.605' | 15'        | Test Strawn Zone |
| 10.605' | 10.590' | 15'        | Test Strawn Zone |
| 10.590' | 10.575' | 15'        | Test Strawn Zone |
| 10.575' | 10.560' | 15'        | Test Strawn Zone |
| 10.560' | 10.545' | 15'        | Test Strawn Zone |
| 10.545' | 10.530' | 15'        | Test Strawn Zone |
| 10.530' | 10.515' | 15'        | Test Strawn Zone |
| 10.515' | 10.500' | 15'        | Test Strawn Zone |
| 10.500' | 10.485' | 15'        | Test Strawn Zone |
| 10.485' | 10.470' | 15'        | Test Strawn Zone |
| 10.470' | 10.455' | 15'        | Test Strawn Zone |
| 10.455' | 10.440' | 15'        | Test Strawn Zone |
| 10.440' | 10.425' | 15'        | Test Strawn Zone |
| 10.425' | 10.410' | 15'        | Test Strawn Zone |
| 10.410' | 10.395' | 15'        | Test Strawn Zone |
| 10.395' | 10.380' | 15'        | Test Strawn Zone |
| 10.380' | 10.365' | 15'        | Test Strawn Zone |
| 10.365' | 10.350' | 15'        | Test Strawn Zone |
| 10.350' | 10.335' | 15'        | Test Strawn Zone |
| 10.335' | 10.320' | 15'        | Test Strawn Zone |
| 10.320' | 10.305' | 15'        | Test Strawn Zone |
| 10.305' | 10.290' | 15'        | Test Strawn Zone |
| 10.290' | 10.275' | 15'        | Test Strawn Zone |
| 10.275' | 10.260' | 15'        | Test Strawn Zone |
| 10.260' | 10.245' | 15'        | Test Strawn Zone |
| 10.245' | 10.230' | 15'        | Test Strawn Zone |
| 10.230' | 10.215' | 15'        | Test Strawn Zone |
| 10.215' | 10.200' | 15'        | Test Strawn Zone |
| 10.200' | 10.185' | 15'        | Test Strawn Zone |
| 10.185' | 10.170' | 15'        | Test Strawn Zone |
| 10.170' | 10.155' | 15'        | Test Strawn Zone |
| 10.155' | 10.140' | 15'        | Test Strawn Zone |
| 10.140' | 10.125' | 15'        | Test Strawn Zone |
| 10.125' | 10.110' | 15'        | Test Strawn Zone |
| 10.110' | 10.095' | 15'        | Test Strawn Zone |
| 10.095' | 10.080' | 15'        | Test Strawn Zone |
| 10.080' | 10.065' | 15'        | Test Strawn Zone |
| 10.065' | 10.050' | 15'        | Test Strawn Zone |
| 10.050' | 10.035' | 15'        | Test Strawn Zone |
| 10.035' | 10.020' | 15'        | Test Strawn Zone |
| 10.020' | 10.005' | 15'        | Test Strawn Zone |
| 10.005' | 10.000' | 5'         | Test Strawn Zone |

4/16/63 - Spud  
4/18/63 - Ran 12-3/8" surface casing  
5/1/63 - Ran 8-5/8" salt casing  
5/23/63 - Cored Strawn zone 11,160' - 11,225'  
5/23/63 - Cored Strawn zone 11,225' - 11,258'  
6/8/63 - DST on Morton zone 12,020' - 12,339'. Gaged 870 mcf/d.  
6/12/63 - Ran 5-1/2" production casing  
6/16/63 - Perforated Strawn zone II, 207' - 11,221', 11,224' - 11,240'  
Perforated zone 12,400' - 12,412'  
Ran 2 strings of 2-1/16" OD tubing at 11,100' and 12,310'. Set two BOT packers  
at base of each tubing string for Dual completion  
6/25/63 - Test Strawn Zone  
6/26/63 - Test Morton Zone