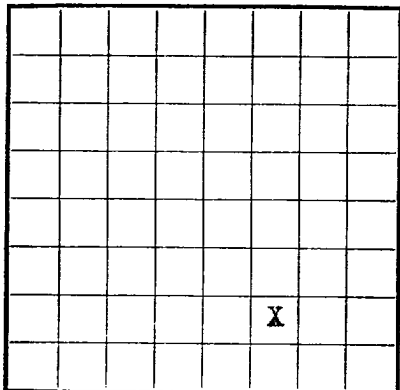


U. S. LAND OFFICE **Las Cruces**

SERIAL NUMBER **LC-054668**

LEASE OR PERMIT TO PROSPECT  
**Farnsworth "4"**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **Texas Pacific Coal & Oil Company** Address **P.O. Box 1688, Hobbs, New Mexico**  
Lessor or Tract **Farnsworth "4"** Field **Langlie-Mattix** State **New Mexico**  
Well No. **13** Sec. **4** T. **26** R. **37** Meridian **NMPM** County **Lea**  
Location **990** ft. **N.** of **S.** Line and **1650** ft. **E.** of **E.** Line of **Sec. 4** Elevation **2993**  
(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 **Rollins M. Lach**

Date **February 8, 1962** Title **Petroleum Engineer**

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

Commenced drilling **January 17,** 19 **62** Finished drilling **January 28,** 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

Perforations:  
No. 1, from **3194** to **3249** 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—         |                    |
| <b>8-5/8"</b>              | <b>24</b>       | <b>8</b>         | <b>Sals.</b> | <b>306</b>  | <b>Float</b> | <b>Surface</b>      |             |             | <b>Surface</b>     |
| <b>5-1/2"</b>              | <b>24</b>       | <b>8</b>         | <b>Sals.</b> | <b>3278</b> | <b>Float</b> | <b>306</b>          | <b>3194</b> | <b>3249</b> | <b>Perforation</b> |
| HISTORY OF OIL OR GAS WELL |                 |                  |              |             |              |                     |             |             |                    |

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>316</b>  | <b>250 Reg. + 4% Gel</b> | <b>Pump &amp; Plug</b> |             |                    |
| <b>5-1/2"</b> | <b>3288</b> | <b>250 Reg. + 4% Gel</b> | <b>Pump &amp; 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 **3288** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

**February 8,** 19 **62** Put to producing **February 1,** 19 **62**  
The production for the first 24 hours was **242** barrels of fluid of which **95**% was oil; **0**% emulsion; **5**% water; and **0**% sediment.  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gravity, °Bé. **Load Oil**  
Rock pressure, lbs. per sq. in. \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

EMPLOYEES

**G. E. Hoghe**, Driller **J. C. Hipp**, Driller  
**G. W. Warren**, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—   | TO—  | TOTAL FEET | FORMATION              |
|---------|------|------------|------------------------|
| Surface | 316  | 316        | Sand & Red Bed         |
| 316     | 929  | 613        | Red Bed & Salt         |
| 929     | 2254 | 1325       | Anhydrite & Salt       |
| 2254    | 2617 | 363        | Anhydrite, Salt & Lime |
| 2617    | 3143 | 526        | Lime & Anhydrite       |
| 3143    | 3190 | 47         | Dolomite & Lime        |
| 3190    | 3288 | 98         | Dolomite, Lime & Sand. |

GEOLOGIC TOPS (ELECTRIC LOG)

|             |      |
|-------------|------|
| T/Anhydrite | 955  |
| T/Salt      | 1200 |
| B/Salt      | 2450 |
| T/Yates     | 2600 |
| T/7 Rivers  | 2854 |
| T/Queen     | 3222 |

(OVER)

FORMATION RECORD—CONTINUED

U.S. LAND OFFICE  
10-3504-2  
SERIAL NUMBER  
10-3504-2  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRESPONDINGLY

Company  
Address  
State  
County  
Location  
Elevation  
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  
This summary on this page is for the condition of the well at above date.  
Commenced drilling  
Finished drilling

OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SANDS

CASING RECORD

HISTORY OF OIL OR GAS WELL

10-3504-2 U. S. GOVERNMENT PRINTING OFFICE

| FROM- |  | TO-   | TOTAL FEET | FORMATION |
|-------|--|-------|------------|-----------|
| 100   |  | 100   | 100        | 100       |
| 200   |  | 200   | 200        | 200       |
| 300   |  | 300   | 300        | 300       |
| 400   |  | 400   | 400        | 400       |
| 500   |  | 500   | 500        | 500       |
| 600   |  | 600   | 600        | 600       |
| 700   |  | 700   | 700        | 700       |
| 800   |  | 800   | 800        | 800       |
| 900   |  | 900   | 900        | 900       |
| 1000  |  | 1000  | 1000       | 1000      |
| 1100  |  | 1100  | 1100       | 1100      |
| 1200  |  | 1200  | 1200       | 1200      |
| 1300  |  | 1300  | 1300       | 1300      |
| 1400  |  | 1400  | 1400       | 1400      |
| 1500  |  | 1500  | 1500       | 1500      |
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| 1900  |  | 1900  | 1900       | 1900      |
| 2000  |  | 2000  | 2000       | 2000      |
| 2100  |  | 2100  | 2100       | 2100      |
| 2200  |  | 2200  | 2200       | 2200      |
| 2300  |  | 2300  | 2300       | 2300      |
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