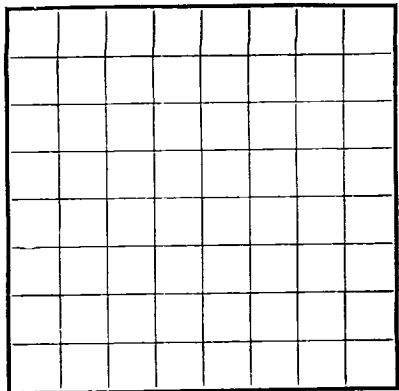


Form 9-330

U. S. LAND OFFICE  
SERIAL NUMBER LC-050349(a)  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Burnham Oil Company Address Box 65 Artesia, New Mexico  
Lessor or Tract Brooks Field Undesignated State New Mexico  
Well No. 2A Sec. 19 T. 17 R. 28 Meridian N17M County Fddy  
Location 2310 ft. N of N Line and 330 ft. E of E Line of Section 19 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 E. Deffen

Date August 22, 1958 Title Owner

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

Commenced drilling February 8, 1958 Finished drilling May 3, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 630 to 660 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 1970 to 1978 G No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 2713 to 2726 No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from 1142 to 1156 No. 3, from 3048 to 3060  
No. 2, from 2549 to 2566 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—         |                       |
| <u>7"</u>                | <u>23 lb.</u>   | <u>10</u>        |      | <u>1282'</u> |              | <u>None</u>         | <u>None</u> | <u>None</u> | <u>Water Shut-off</u> |
| HISTORY OF CUT OF CASING |                 |                  |      |              |              |                     |             |             |                       |

MUDDING AND CEMENTING RECORD

| Size casing | Where set    | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|-------------|--------------|------------------------|--------------------|-------------|--------------------|
| <u>7"</u>   | <u>1282'</u> | <u>50 sacks</u>        | <u>Halliburton</u> |             |                    |
|             |              |                        |                    |             |                    |
|             |              |                        |                    |             |                    |
|             |              |                        |                    |             |                    |

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length 8' Depth set 1250'

Adapters—Material \_\_\_\_\_ Size Halliburton Bridging Plug with 50' of cement

SHOOTING RECORD on top of the plug

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to 3309 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ 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 \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

\_\_\_\_\_Paul Gray\_\_\_\_\_, Driller \_\_\_\_\_Loyd Bowen\_\_\_\_\_, Driller  
\_\_\_\_\_Eddie Gray\_\_\_\_\_, Driller \_\_\_\_\_E. L. Harber\_\_\_\_\_, Driller

FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET | FORMATION                  |
|-------------|-------------|------------|----------------------------|
| <u>0</u>    | <u>205</u>  | <u>205</u> | <u>Red bed, anhydrite</u>  |
| <u>205</u>  | <u>220</u>  | <u>15</u>  | <u>Gyp</u>                 |
| <u>220</u>  | <u>335</u>  | <u>115</u> | <u>Anhydrite</u>           |
| <u>335</u>  | <u>380</u>  | <u>45</u>  | <u>Red bed</u>             |
| <u>380</u>  | <u>405</u>  | <u>25</u>  | <u>Anhydrite</u>           |
| <u>405</u>  | <u>415</u>  | <u>10</u>  | <u>Red bed</u>             |
| <u>415</u>  | <u>630</u>  | <u>215</u> | <u>Anhydrite</u>           |
| <u>630</u>  | <u>660</u>  | <u>30</u>  | <u>Lime</u>                |
| <u>660</u>  | <u>1140</u> | <u>480</u> | <u>Anhydrite</u>           |
| <u>1140</u> | <u>1175</u> | <u>35</u>  | <u>Sand</u>                |
| <u>1175</u> | <u>1310</u> | <u>135</u> | <u>Anhydrite</u>           |
| <u>1310</u> | <u>1360</u> | <u>50</u>  | <u>Lime</u>                |
| <u>1360</u> | <u>1385</u> | <u>25</u>  | <u>Anhydrite, red rock</u> |
| <u>1385</u> | <u>1415</u> | <u>30</u>  | <u>Lime</u>                |
| <u>1415</u> | <u>1435</u> | <u>20</u>  | <u>Sand</u>                |
| <u>1435</u> | <u>1455</u> | <u>20</u>  | <u>Anhydrite, red rock</u> |
| <u>1455</u> | <u>1470</u> | <u>15</u>  | <u>Sand</u>                |
| <u>1470</u> | <u>1615</u> | <u>145</u> | <u>Anhydrite, red rock</u> |
| <u>1615</u> | <u>1640</u> | <u>25</u>  | <u>Lime</u>                |
| <u>1640</u> | <u>1653</u> | <u>13</u>  | <u>Anhydrite, red rock</u> |
| <u>1653</u> | <u>1665</u> | <u>12</u>  | <u>Lime</u>                |
| <u>1665</u> | <u>1697</u> | <u>32</u>  | <u>Anhydrite</u>           |
| <u>1697</u> | <u>1755</u> | <u>58</u>  | <u>Lime</u>                |
| <u>1755</u> | <u>1880</u> | <u>125</u> | <u>Anhydrite, red rock</u> |
| <u>1880</u> | <u>1970</u> | <u>90</u>  | <u>Lime</u>                |

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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, 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.

HISTORY OF OIL OR GAS WELL

10-43004-2 U. S. GOVERNMENT PRINTING OFFICE

| FROM- | TO-  | TOTAL FEET | FORMATION                          |
|-------|------|------------|------------------------------------|
| 1970  | 1978 | 8          | Sand, gas show, sulphur water      |
| 1978  | 2175 | 467        | Lime                               |
| 2175  | 2465 | 20         | Sandy lime, free oil               |
| 2465  | 2700 | 235        | Lime - Increase in water 2549-2566 |
| 2700  | 2726 | 26         | Sandy lime, oil show 2713-2726     |
| 2726  | 3309 | 583        | Lime - Increase in water 3048-3060 |
| 3309  |      |            | Total depth                        |