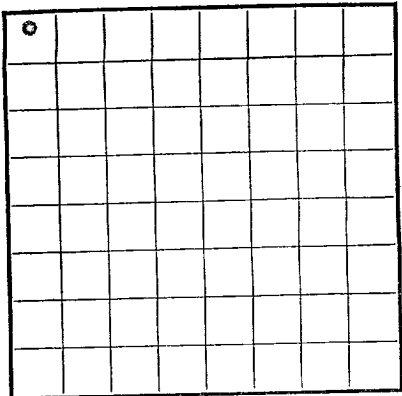


U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 032579 (E)  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company J. C. Williamson Address Box 16, Midland, Texas  
Lessor or Tract Westates-Federal Field Wildcat (Undesig.) State New Mexico  
Well No. 4 Sec. 1 T. 25-N R. 37-W Meridian 104PM County Lea  
Location 330 ft. N. of 0 Line and 330 ft. E. of 1 Line of Section 1 Elevation 3152' (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 Handelbuser

Date October 25, 1961 Title Geologist

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

Commenced drilling August 12, 1961 Finished drilling September 23, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4750 to 4894 (G) No. 4, from 6910 to 7060  
No. 2, from 4894 to 4940 (G) No. 5, from 7900 to 8020  
No. 3, from 5045 to 5050 No. 6, from 8380 to 8466

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—  |             |
| 13 3/8                                   | 48              | 8 rd             | J&L       | 130    | Texas Pattern |                     | Mckee Perfs |      |             |
| 9 5/8                                    | 32              | 8 rd             | J&L       | 2245   | Baker         |                     | 7900        | 7910 |             |
| 7"                                       | 23 & 26         | 8 rd             | J&L       | 8466   | Warain        |                     | 7938        | 7938 | Produce Oil |
| 8"                                       |                 | 8 rd             | Long Star | 7232   |               |                     | 7958        | 7968 |             |
| SEE ATTACHED SHEET FOR ELLENBURGER PERFS |                 |                  |           |        |               |                     |             |      |             |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity       | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------------|--------------------|
| 13 3/8      | 130       | 125                    | Pump & Plug | wt. 9.1, Visc. 30 | Unknown            |
| 9 5/8       | 2245      | 150                    | Pump & Plug | " " " "           | " "                |
| 7"          | 8466      | 372                    | Pump & Plug | " " " "           | " "                |

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 8466 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

DATES

Mckee Production

October 2, 1961 Put to producing September 31, 1961

The production for the first 24 hours was 300 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment.

Gravity, °Bé. 40

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

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

EMPLOYEES

Bob Millin, Driller \_\_\_\_\_, Driller  
" " \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—    | TO—  | TOTAL FEET | FORMATION                            |
|----------|------|------------|--------------------------------------|
| 0        | 130  | 130        | Caliche & Surface Sands              |
| 130      | 896  | 766        | Redbed                               |
| 896      | 3632 | 2736       | Anhy. Salt w/Streaks of SS and Shale |
| 3632     | 4687 | 1055       | Dolomite                             |
| 4687     | 4760 | 73         | Dolomite & Sand                      |
| 4760     | 5000 | 240        | Dolomite                             |
| 5000     | 5050 | 50         | Dolomite & Sand                      |
| 5050     | 7090 | 2040       | Dolomite                             |
| 7090     | 7435 | 345        | Dolomite & Chert                     |
| 7435     | 7520 | 85         | Dolomite & Sand                      |
| 7520     | 7670 | 150        | Lime                                 |
| 7670     | 7770 | 100        | Shale                                |
| 7770     | 7810 | 40         | Lime                                 |
| 7810     | 8230 | 420        | Sand & Shale                         |
| 8230     | 8350 | 120        | Lime & Shale                         |
| 8350     | 8466 | 116        | Dolomite                             |
| LOG TOPS |      |            |                                      |
|          |      |            | Kustler 896'                         |
|          |      |            | Yates 2370'                          |
|          |      |            | San Andres 3633'                     |
|          |      |            | Glor. 4688'                          |
|          |      |            | Paddock 4894'                        |
|          |      |            | Blinberry 4996'                      |
|          |      |            | Fusselman 6910'                      |
|          |      |            | Montoya 7088'                        |
|          |      |            | Simpson 7410'                        |
|          |      |            | Mckee 7800'                          |
|          |      |            | Ellenburger 8373'                    |

