

U.S. LAND OFFICE **Las Cruces**  
SERIAL NUMBER **090554 (a)**  
LEASE OR PERMIT TO PROSPECT **W. T. Joyner**

## LOG OF OIL OR GAS WELL

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.

[illegible]

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

Commenced drilling August 27, 1955 Finished drilling October 7 10 55

(Denote gas by  $\mathcal{G}$ )

(Denote gas by G)

|                                      |                            |
|--------------------------------------|----------------------------|
| No. 1, from <u>DRY HOLE</u> to _____ | 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 _____ |

[illegible][illegible]

**PLUGS AND ADAPTERS**  
 Heaving plug—Material ..... Length ..... Depth set .....  
 Adapters—Material ..... Size .....

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

**TOOLS USED**

Rotary tools were used from 0 feet to 5919 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

-----, 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 .....

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**EMPLOYEES**

|                         |         |       |         |
|-------------------------|---------|-------|---------|
| <u>W. J. Youngblood</u> | Driller | _____ | Driller |
| <u>W. S. Arnold</u>     | Driller | _____ | Driller |

| FROM— | TO—   | TOTAL FEET | FORMATION        |
|-------|-------|------------|------------------|
| 0'    | 1128' | 1128'      | Red Bed          |
| 1128  | 1267  | 139        | Anhydrite        |
| 1267  | 3028  | 1761       | Anhydrite & Salt |
| 3028  | 3905  | 877        | Lime & Sand      |
| 3905  | 4383  | 478        | Lime & Shale     |
| 4383  | 5004  | 621        | Lime & Sand      |
| 5004  | 5919  | 915        | Lime             |

[OVER]

16-48004-2

DRILL STEM TEST NO. 1 - 3500-3355'

5/8" BHC, 1" THC, tool open 3 hours with good blow of air that decreased to very weak blow after 30 minutes, and continued as weak blow throughout remainder of test. Pulled 3 1/2" OD drill pipe and recovered 390' of gas in pipe and 68' of drilling mud. No show of oil or water. IFP 95#. FFP 95#. H.P. in 1750#, out 1720#, 15 minute buildup 95#.

DRILL STEM TEST NO. 2 - 3500-3750':

5/8" BHC, 1" THC, tool open 3 hours with good blow of air that gradually declined to a weak blow at end of test. Pulled 3 1/2" OD drill pipe and recovered 90' of drilling fluid and 3050' of slightly gas-cut sulphur water. No show of oil. H.P. in 1790#, out 1780#, IFP 510#, FFP 1440#, failed on buildup.

DRILL STEM TEST NO. 3 - 3363-3416':

5/8" BHC, 1" THC, tool open 3 hours with weak blow of air for 8 minutes and died. Pulled 3 1/2" OD drill pipe and recovered 30' of drilling mud. No shows of oil, gas or water. H.P. in 1800#, out 1770#, IFP 30#, FFP 30#, no buildup.

DRILL STEM TEST NO. 4 - 3788-3850':

5/8" BHC, 1" THC, tool open 2 hours with good blow of air for 24 minutes and then died. Pulled 3 1/2" OD drill pipe and recovered 300' of drilling fluid and 2850' of salty sulphur water. H.P. in 1885#, out 1850#, IFP 1375#, FFP 1470#, 15 minute buildup 1470#.

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, size, 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 balling.

HISTORY OF OIL OR GAS WELL

REMARKS:

Drilled to a total depth of 5919' and no oil or gas in commercial quantities was encountered in any zone. On October 8, 1955, well was plugged with cement and heavy laden mud as follows:

50 sacks cement - 5000'  
50 " " - 4000'  
50 " " - 3500'  
50 " " - 3200'  
50 " " - 1350'

All cement plugs were pumped by Halliburton Process and all intervals not cemented were filled with heavy mud. A 10 sack cement cap was run in the 8-5/8" casing and a 4" pipe marker was installed.

| FORMATION | TOTAL FEET | TO | FROM |
|-----------|------------|----|------|
|-----------|------------|----|------|