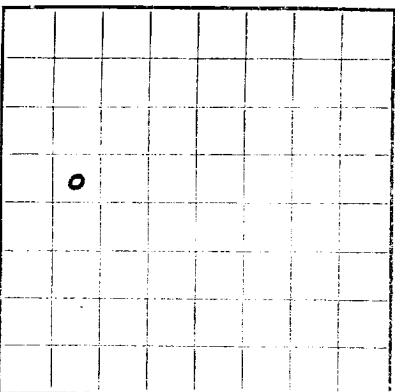


U. S. LAND OFFICE New Mexico  
SERIAL NUMBER NM-07964  
LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Ralph Mix & Jerry Curtis Address P. O. Box 605, Artesia, New Mexico  
~~Desert~~ Tract Muse Field Fenton State New Mexico  
Well No. 1 Sec. 15 T. 21S R. 28E Meridian N.M.P.M. County Eddy  
Location 2310 ft. XX of N Line and 990 ft. XX of W Line of Section 15 Elevation 3294.5  
(Elevation 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 Jerry Curtis

Date September 10, 1953 Title Co-Owner

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

Commenced drilling December 8, 1952 Finished drilling January 8, 1953

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 2676 to 2682 ss from oil No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 2682 to 2700 stain No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 2715 to 2730 stain No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from 323 to 330 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 2715 to 2730 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>8 5/8 24#</u> |                 | <u>8 rd</u>      | <u>New</u> | <u>547'9"</u> | <u>Larkin</u> | <u>0-120</u>        | <u>X</u>   | <u>X</u> | <u>Shut off</u><br><u>Water and to</u><br><u>set in top</u><br><u>of salt</u> |

MUDDING AND CEMENTING RECORD

| Size casing         | Where set | Number sacks of cement | Method used                              | Mud gravity | Amount of mud used |
|---------------------|-----------|------------------------|------------------------------------------|-------------|--------------------|
| <u>8 5/8 547'9"</u> |           | <u>25</u>              | <u>Leaton Oil Well Cementing Company</u> |             |                    |

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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 2730 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

\_\_\_\_\_, Driller C. E. Roach, Driller  
\_\_\_\_\_, Driller E. J. Shepard, Driller

FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET | FORMATION                      |
|-------------|-------------|------------|--------------------------------|
| <u>0</u>    | <u>30</u>   |            | <u>Caliche</u>                 |
| <u>30</u>   | <u>130</u>  |            | <u>Red Bed</u>                 |
| <u>130</u>  | <u>180</u>  |            | <u>Gyp &amp; Red Bed</u>       |
| <u>180</u>  | <u>295</u>  |            | <u>Anhydrite</u>               |
| <u>295</u>  | <u>303</u>  |            | <u>Shale</u>                   |
| <u>303</u>  | <u>323</u>  |            | <u>Anhydrite Water 323-330</u> |
| <u>323</u>  | <u>335</u>  |            | <u>Sand</u>                    |
| <u>335</u>  | <u>350</u>  |            | <u>Gravel</u>                  |
| <u>350</u>  | <u>360</u>  |            | <u>Red Rock</u>                |
| <u>360</u>  | <u>375</u>  |            | <u>Shale</u>                   |
| <u>375</u>  | <u>395</u>  |            | <u>Red Bed</u>                 |
| <u>395</u>  | <u>435</u>  |            | <u>Lime</u>                    |
| <u>435</u>  | <u>460</u>  |            | <u>Shale</u>                   |
| <u>460</u>  | <u>495</u>  |            | <u>Red Rock</u>                |
| <u>495</u>  | <u>515</u>  |            | <u>Anhydrite</u>               |
| <u>515</u>  | <u>540</u>  |            | <u>Red Rock</u>                |
| <u>540</u>  | <u>1130</u> |            | <u>Salt</u>                    |
| <u>1130</u> | <u>1175</u> |            | <u>Anhydrite</u>               |
| <u>1175</u> | <u>1340</u> |            | <u>Salt</u>                    |
| <u>1340</u> | <u>2365</u> |            | <u>Anhydrite</u>               |
| <u>2365</u> | <u>2375</u> |            | <u>Lime</u>                    |
| <u>2375</u> | <u>2410</u> |            | <u>Anhydrite</u>               |
| <u>2410</u> | <u>2676</u> |            | <u>Lime</u>                    |
| <u>2676</u> | <u>2700</u> |            | <u>Sand</u>                    |
| <u>2700</u> | <u>2715</u> |            | <u>Lime</u>                    |
| <u>2715</u> | <u>2730</u> |            | <u>Sand</u>                    |

2730 P & A

