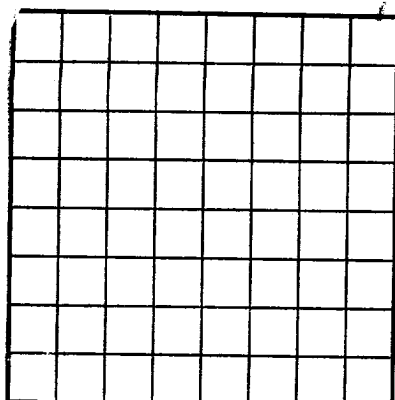


U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 045818 A  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Nunn & Geiser Address Box 426, Artesia, New Mexico  
Lessor or Tract Hastie Field Empire State New Mexico  
Well No. 2 Sec. 18 T. 17 R. 28 Meridian N M P M County Eddy  
Location 2310 ft. N of N Line and 1735 ft. E of W Line of Sec. 18 Elevation \_\_\_\_\_  
(Denote 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 \_\_\_\_\_

Date Feb. 26, 1950

Title \_\_\_\_\_

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

Commenced drilling Feb. 26, 19 50 Finished drilling March 23, 19 50

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 495 to 501 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 503 to 505 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 512 to 515 No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 65 to 70 No. 3, from 280 to 285  
No. 2, from 140 to 150 No. 4, from 529 to 530

## 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>495</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>495</u> | <u>25 sacks</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 |
|----------------|----------------------|-------------------------|----------------------|------|------------|-------------------|
| <u>3/23/50</u> | <u>Acidized with</u> | <u>500 gallons acid</u> | <u>- Halliburton</u> |      |            |                   |
|                |                      |                         |                      |      |            |                   |
|                |                      |                         |                      |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 534 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ 3-31-, 19 50 Put to producing \_\_\_\_\_ 3-23-, 19 50The production for the first 24 hours was 125 barrels of fluid of which 100 % was oil; 0 %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 34

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. Geiser, Driller  
\_\_\_\_\_, Driller R. E. Heskett, Driller

## FORMATION RECORD

| FROM—      | TO—        | TOTAL FEET | FORMATION                               |
|------------|------------|------------|-----------------------------------------|
| <u>0</u>   | <u>18</u>  | <u>18</u>  | <u>Soil and shale</u>                   |
| <u>18</u>  | <u>25</u>  | <u>7</u>   | <u>Caliche</u>                          |
| <u>25</u>  | <u>40</u>  | <u>15</u>  | <u>Gyp</u>                              |
| <u>40</u>  | <u>65</u>  | <u>25</u>  | <u>Shale</u>                            |
| <u>65</u>  | <u>70</u>  | <u>5</u>   | <u>Anhydrite - Water 1 BPH</u>          |
| <u>70</u>  | <u>90</u>  | <u>20</u>  | <u>Anhydrite</u>                        |
| <u>90</u>  | <u>95</u>  | <u>5</u>   | <u>Blue shale</u>                       |
| <u>95</u>  | <u>100</u> | <u>5</u>   | <u>Broken anhydrite</u>                 |
| <u>100</u> | <u>105</u> | <u>5</u>   | <u>Red shale</u>                        |
| <u>105</u> | <u>112</u> | <u>7</u>   | <u>Broken anhydrite</u>                 |
| <u>112</u> | <u>150</u> | <u>38</u>  | <u>Anhydrite - Water increase</u>       |
| <u>150</u> | <u>160</u> | <u>10</u>  | <u>Red &amp; blue shale</u>             |
| <u>160</u> | <u>220</u> | <u>60</u>  | <u>Anhydrite</u>                        |
| <u>220</u> | <u>230</u> | <u>60</u>  | <u>Blue shale</u>                       |
| <u>230</u> | <u>275</u> | <u>45</u>  | <u>Red shale</u>                        |
| <u>275</u> | <u>280</u> | <u>5</u>   | <u>Anhydrite</u>                        |
| <u>280</u> | <u>285</u> | <u>5</u>   | <u>Anhydrite &amp; red sand - Water</u> |
| <u>285</u> | <u>290</u> | <u>5</u>   | <u>Red sand</u>                         |
| <u>290</u> | <u>295</u> | <u>5</u>   | <u>White anhydrite</u>                  |
| <u>295</u> | <u>305</u> | <u>10</u>  | <u>Red shale</u>                        |
| <u>305</u> | <u>310</u> | <u>5</u>   | <u>White gyp</u>                        |
| <u>310</u> | <u>320</u> | <u>10</u>  | <u>Gyp &amp; red shale</u>              |
| <u>320</u> | <u>340</u> | <u>10</u>  | <u>Red and blue shale</u>               |
| <u>340</u> | <u>350</u> | <u>10</u>  | <u>Broken anhydrite</u>                 |
| <u>350</u> | <u>360</u> | <u>10</u>  | <u>Anhydrite &amp; lime shells</u>      |

(OVER)

16-48094-2

FORMATION RECORD—CONTINUED

FOLD | MARK