

U. S. LAND OFFICE New MexicoSERIAL NUMBER 945015

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Flemmons & Hewitt Address Box 385, Artesia, N. M.  
Lessor or Tract Friess Field Premier State New Mexico  
Well No. 1 Sec. 30 T. 17S R. 31E Meridian NMPM County Eddy  
Location 560 ft. N of E Line and 1980 ft. E of W Line of 30-17-31 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 \_\_\_\_\_

Date 8-10-56 Title Agent

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

Commenced drilling 4-5-56, 19\_\_\_\_ Finished drilling 6-26-56, 19\_\_\_\_

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2820 to 2857 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3131 to 3193 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 \_\_\_\_\_

## CASING RECORD

| Size casing                 | Weight per foot | Threads per inch | Make        | Amount      | Kind of shoe  | Cut and pulled from | Perforated  |     | Purpose           |
|-----------------------------|-----------------|------------------|-------------|-------------|---------------|---------------------|-------------|-----|-------------------|
|                             |                 |                  |             |             |               |                     | From—       | To— |                   |
| <u>5 1/2</u>                | <u>14 1/2</u>   | <u>3 rd</u>      | <u>SMLS</u> | <u>3940</u> | <u>HO7990</u> | <u>None</u>         | <u>None</u> |     | <u>Oil string</u> |
| HISTORIA OF OIL OR GAS WELL |                 |                  |             |             |               |                     |             |     |                   |

## MUDDING AND CEMENTING RECORD

| Size casing  | Where set   | Number sacks of cement | Method used   | Mud gravity | Amount of mud used |
|--------------|-------------|------------------------|---------------|-------------|--------------------|
| <u>5 1/2</u> | <u>3040</u> | <u>100</u>             | <u>Denton</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 2064 feet to 3251 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

Jack Flemmons, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET | FORMATION                        |
|-------------|-------------|------------|----------------------------------|
| <u>2064</u> | <u>2435</u> | <u>371</u> | <u>Anhydrite</u>                 |
| <u>2435</u> | <u>2440</u> | <u>5</u>   | <u>Gray lime</u>                 |
| <u>2440</u> | <u>2480</u> | <u>40</u>  | <u>Red sand</u>                  |
| <u>2480</u> | <u>2490</u> | <u>10</u>  | <u>Anhydrite &amp; sand</u>      |
| <u>2490</u> | <u>2510</u> | <u>20</u>  | <u>Lime</u>                      |
| <u>2510</u> | <u>2555</u> | <u>45</u>  | <u>Anhydrite</u>                 |
| <u>2555</u> | <u>2565</u> | <u>10</u>  | <u>Gray lime</u>                 |
| <u>2565</u> | <u>2595</u> | <u>30</u>  | <u>Anhydrite &amp; shale</u>     |
| <u>2595</u> | <u>2605</u> | <u>10</u>  | <u>Gray lime &amp; anhydrite</u> |
| <u>2605</u> | <u>2675</u> | <u>70</u>  | <u>Anhydrite</u>                 |
| <u>2675</u> | <u>2708</u> | <u>33</u>  | <u>Brown lime</u>                |
| <u>2708</u> | <u>2720</u> | <u>12</u>  | <u>Shale</u>                     |
| <u>2720</u> | <u>2735</u> | <u>15</u>  | <u>Sand</u>                      |
| <u>2735</u> | <u>2775</u> | <u>40</u>  | <u>Shale &amp; anhydrite</u>     |
| <u>2775</u> | <u>2790</u> | <u>15</u>  | <u>Lime</u>                      |
| <u>2790</u> | <u>2800</u> | <u>10</u>  | <u>Gas sand</u>                  |
| <u>2800</u> | <u>2810</u> | <u>10</u>  | <u>Anhydrite &amp; shale</u>     |
| <u>2810</u> | <u>2820</u> | <u>10</u>  | <u>Lime</u>                      |
| <u>2820</u> | <u>2845</u> | <u>25</u>  | <u>Anhydrite</u>                 |
| <u>2845</u> | <u>2872</u> | <u>27</u>  | <u>Lime</u>                      |
| <u>2872</u> | <u>2940</u> | <u>68</u>  | <u>Sandy lime</u>                |
| <u>2940</u> | <u>2985</u> | <u>45</u>  | <u>Lime</u>                      |
| <u>2985</u> | <u>3015</u> | <u>30</u>  | <u>Sandy lime</u>                |
| <u>3015</u> | <u>3125</u> | <u>110</u> | <u>Lime</u>                      |
| <u>3125</u> | <u>3155</u> | <u>30</u>  | <u>Sandy lime</u>                |
| <u>3155</u> | <u>3180</u> | <u>25</u>  | <u>Sandy lime</u>                |
| <u>3180</u> | <u>3180</u> | <u>0</u>   | <u>White lime</u>                |
| <u>3180</u> | <u>3171</u> | <u>9</u>   | <u>Sandy lime</u>                |
| <u>3171</u> | <u>3181</u> | <u>10</u>  | <u>Lime &amp; sand</u>           |
| <u>3181</u> | <u>3195</u> | <u>14</u>  | <u>Lime</u>                      |
| <u>3195</u> | <u>3210</u> | <u>15</u>  | <u>Lime</u>                      |
| <u>3210</u> | <u>3225</u> | <u>15</u>  | <u>Lime</u>                      |

## LOG OF OIL OR GAS WELL

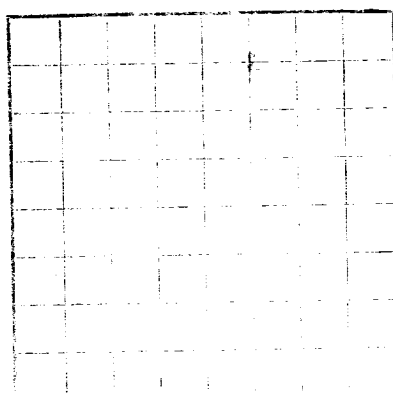
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

UNITED STATES

LEASE OR PERMIT TO PRODUCE

SERIAL NUMBER

U.S. LAND OFFICE



PLOT WELL CORRECTLY

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.

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Date of completion of well: \_\_\_\_\_

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

Completed drilling: \_\_\_\_\_

## OIL OR GAS SANDS OR ZONES

Please give by G.

No. 1 from \_\_\_\_\_ to \_\_\_\_\_

No. 2 from \_\_\_\_\_ to \_\_\_\_\_

No. 3 from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1 from \_\_\_\_\_ to \_\_\_\_\_

No. 2 from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

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 bailing.

## HISTORY OF OIL OR GAS WELL

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

## MUDLOGGING AND CEMENTING RECORD

| DATE | TIME  | DEPTH | FORMATION | REMARKS          |
|------|-------|-------|-----------|------------------|
| 1960 | 11:00 | 10    | Shale     | Drilling started |
| 1960 | 11:10 | 20    | Shale     |                  |
| 1960 | 11:20 | 30    | Shale     |                  |
| 1960 | 11:30 | 40    | Shale     |                  |
| 1960 | 11:40 | 50    | Shale     |                  |
| 1960 | 11:50 | 60    | Shale     |                  |
| 1960 | 12:00 | 70    | Shale     |                  |
| 1960 | 12:10 | 80    | Shale     |                  |
| 1960 | 12:20 | 90    | Shale     |                  |
| 1960 | 12:30 | 100   | Shale     |                  |
| 1960 | 12:40 | 110   | Shale     |                  |
| 1960 | 12:50 | 120   | Shale     |                  |
| 1960 | 1:00  | 130   | Shale     |                  |
| 1960 | 1:10  | 140   | Shale     |                  |
| 1960 | 1:20  | 150   | Shale     |                  |
| 1960 | 1:30  | 160   | Shale     |                  |
| 1960 | 1:40  | 170   | Shale     |                  |
| 1960 | 1:50  | 180   | Shale     |                  |
| 1960 | 2:00  | 190   | Shale     |                  |
| 1960 | 2:10  | 200   | Shale     |                  |
| 1960 | 2:20  | 210   | Shale     |                  |
| 1960 | 2:30  | 220   | Shale     |                  |
| 1960 | 2:40  | 230   | Shale     |                  |
| 1960 | 2:50  | 240   | Shale     |                  |
| 1960 | 3:00  | 250   | Shale     |                  |
| 1960 | 3:10  | 260   | Shale     |                  |
| 1960 | 3:20  | 270   | Shale     |                  |
| 1960 | 3:30  | 280   | Shale     |                  |
| 1960 | 3:40  | 290   | Shale     |                  |
| 1960 | 3:50  | 300   | Shale     |                  |
| 1960 | 4:00  | 310   | Shale     |                  |
| 1960 | 4:10  | 320   | Shale     |                  |
| 1960 | 4:20  | 330   | Shale     |                  |
| 1960 | 4:30  | 340   | Shale     |                  |
| 1960 | 4:40  | 350   | Shale     |                  |
| 1960 | 4:50  | 360   | Shale     |                  |
| 1960 | 5:00  | 370   | Shale     |                  |
| 1960 | 5:10  | 380   | Shale     |                  |
| 1960 | 5:20  | 390   | Shale     |                  |
| 1960 | 5:30  | 400   | Shale     |                  |
| 1960 | 5:40  | 410   | Shale     |                  |
| 1960 | 5:50  | 420   | Shale     |                  |
| 1960 | 6:00  | 430   | Shale     |                  |
| 1960 | 6:10  | 440   | Shale     |                  |
| 1960 | 6:20  | 450   | Shale     |                  |
| 1960 | 6:30  | 460   | Shale     |                  |
| 1960 | 6:40  | 470   | Shale     |                  |
| 1960 | 6:50  | 480   | Shale     |                  |
| 1960 | 7:00  | 490   | Shale     |                  |
| 1960 | 7:10  | 500   | Shale     |                  |
| 1960 | 7:20  | 510   | Shale     |                  |
| 1960 | 7:30  | 520   | Shale     |                  |
| 1960 | 7:40  | 530   | Shale     |                  |
| 1960 | 7:50  | 540   | Shale     |                  |
| 1960 | 8:00  | 550   | Shale     |                  |
| 1960 | 8:10  | 560   | Shale     |                  |
| 1960 | 8:20  | 570   | Shale     |                  |
| 1960 | 8:30  | 580   | Shale     |                  |
| 1960 | 8:40  | 590   | Shale     |                  |
| 1960 | 8:50  | 600   | Shale     |                  |
| 1960 | 9:00  | 610   | Shale     |                  |
| 1960 | 9:10  | 620   | Shale     |                  |
| 1960 | 9:20  | 630   | Shale     |                  |
| 1960 | 9:30  | 640   | Shale     |                  |
| 1960 | 9:40  | 650   | Shale     |                  |
| 1960 | 9:50  | 660   | Shale     |                  |
| 1960 | 10:00 | 670   | Shale     |                  |
| 1960 | 10:10 | 680   | Shale     |                  |
| 1960 | 10:20 | 690   | Shale     |                  |
| 1960 | 10:30 | 700   | Shale     |                  |
| 1960 | 10:40 | 710   | Shale     |                  |
| 1960 | 10:50 | 720   | Shale     |                  |
| 1960 | 11:00 | 730   | Shale     |                  |
| 1960 | 11:10 | 740   | Shale     |                  |
| 1960 | 11:20 | 750   | Shale     |                  |
| 1960 | 11:30 | 760   | Shale     |                  |
| 1960 | 11:40 | 770   | Shale     |                  |
| 1960 | 11:50 | 780   | Shale     |                  |
| 1960 | 12:00 | 790   | Shale     |                  |
| 1960 | 12:10 | 800   | Shale     |                  |
| 1960 | 12:20 | 810   | Shale     |                  |
| 1960 | 12:30 | 820   | Shale     |                  |
| 1960 | 12:40 | 830   | Shale     |                  |
| 1960 | 12:50 | 840   | Shale     |                  |
| 1960 | 1:00  | 850   | Shale     |                  |
| 1960 | 1:10  | 860   | Shale     |                  |
| 1960 | 1:20  | 870   | Shale     |                  |
| 1960 | 1:30  | 880   | Shale     |                  |
| 1960 | 1:40  | 890   | Shale     |                  |
| 1960 | 1:50  | 900   | Shale     |                  |
| 1960 | 2:00  | 910   | Shale     |                  |
| 1960 | 2:10  | 920   | Shale     |                  |
| 1960 | 2:20  | 930   | Shale     |                  |
| 1960 | 2:30  | 940   | Shale     |                  |
| 1960 | 2:40  | 950   | Shale     |                  |
| 1960 | 2:50  | 960   | Shale     |                  |
| 1960 | 3:00  | 970   | Shale     |                  |
| 1960 | 3:10  | 980   | Shale     |                  |
| 1960 | 3:20  | 990   | Shale     |                  |
| 1960 | 3:30  | 1000  | Shale     |                  |

## FORMATION RECORD—Continued

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