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U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078095  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED  
PRIOR  
MAY 21 1954  
U. S. GEOLOGICAL SURVEY  
FARMINGTON N. M.

# LOG OF OIL OR GAS WELL

### LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract Case Field Blanco State New Mexico  
Well No. 6 Sec. 5 T. 31N R. 11W Meridian NMPM County San Juan  
Location 1165 ft. N of E Line and 390 ft. W of E Line of Section 5 Elevation 6174  
(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 D. Schulerma  
Date May 21, 1954 Title Petroleum Engineer

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

Commenced drilling February 14, 1954 Finished drilling April 16, 1954

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

No. 1, from 3020 to 3150 (G) No. 4, from to  
No. 2, from 4615 to 4805 (G) No. 5, from to  
No. 3, from 5273 to 5402 (G) 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— |            |
| 9 5/8       | 25.4            | 8 W.             | Armco     | 163'   | Armco        | 25.0                |            |     | Surface    |
| 7           | 23              | 8 RD             | Spang     | 2006'  | Baker        |                     |            |     | Prod. Csg. |
| 7           | 20              | 8 RD             | Spang     | 2610'  | Baker        |                     |            |     | Prod. Csg. |
| 2           | 4.7             | 8 RD             | Youngston | 2410'  | Husky        |                     |            |     | Prod. Th.  |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 2 5/8       | 174'      | 125                    | Circulated   |             |                    |
| 7           | 4617'     | 500                    | Single Stage |             |                    |
|             |           |                        |              |             |                    |
|             |           |                        |              |             |                    |

## 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 |
|----------------------------|------------|----------------|----------|------|------------|-------------------|
| Sand-Oil, See Well History |            |                |          |      |            |                   |
|                            |            |                |          |      |            |                   |
|                            |            |                |          |      |            |                   |
|                            |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 4617 feet, and from 4617 feet to 5425 feet

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

## DATES

April 20, 1954 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 2,953,000 ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 1037

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                      |
|-------|------|------------|--------------------------------------------------------------------------------|
| 0     | 595  | 595        | Tan cr-grn ss w/thin sh breaks.                                                |
| 595   | 1250 | 655        | Variegated sh w/thin ss breaks.                                                |
| 1250  | 1940 | 690        | Tan to gry cr-grn ss interbedded w/gry sh.                                     |
| 1940  | 2070 | 130        | Ojo Alamo ss. White cr-grn s.                                                  |
| 2070  | 2630 | 560        | Kintland formation. Gry sh interbedded w/tight gry fine-grn ss.                |
| 2630  | 3020 | 390        | Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. |
| 3020  | 3150 | 130        | Pictured Cliff formation. Gry, fine-grn, tight varicolored soft ss.            |
| 3150  | 4615 | 1465       | Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.             |
| 4615  | 4805 | 190        | Cliff House ss. Gry, fine-grn, dense sil ss.                                   |
| 4805  | 5273 | 468        | Menefee formation. Gry, fine-grn s, carb sh and coal.                          |
| 5273  | 5402 | 129        | Point Lookout formation. Gry, very fine sil w/frequent sh breaks.              |
| 5402  | 5425 | 23         | Manccs formation. Gry carb sh.                                                 |

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF GEOLOGICAL SURVEY  
WASHINGTON, D. C. 20548

LOG OF OIL OR GAS WELL.

The information given herewith is a complete and accurate statement of the facts and circumstances as to the above-captioned matter as far as can be determined from the information available to the undersigned.

Very truly yours,  
 [Signature]  
 [Name]  
 [Title]

1. The first of these is the fact that the Commission has not yet received any information from the Government of the United Kingdom regarding the proposed changes to the law of the United Kingdom regarding the treatment of the British Commonwealth countries.

NO NO AND STAFF NO NO

|                                     | $(\delta y)^2 = 1, \delta x = 0$ | $(\delta y)^2 = 1, \delta x = 0$ |
|-------------------------------------|----------------------------------|----------------------------------|
| 1. $\text{mod } 4, \text{mod } 7$   | $\text{mod } 4, \text{mod } 7$   | $\text{mod } 4, \text{mod } 7$   |
| 2. $\text{mod } 6, \text{mod } 6$   | $\text{mod } 6, \text{mod } 6$   | $\text{mod } 6, \text{mod } 6$   |
| 3. $\text{mod } 11, \text{mod } 11$ | $\text{mod } 11, \text{mod } 11$ | $\text{mod } 11, \text{mod } 11$ |

SECRET

April 16, 1954. Total depth 5425', interval treated 5120' - 5425'.  
Set Baker Model K Retainer at 5120' and treated point lookout formation with  
10,500 gallons #2 diesel oil and 8000# sand. Breakdown pressure 1500#, maximum  
pressure 1700#. Injection rate 5.7 barrels per minute. Flushed with 54 barrels  
oil. Natural gas 365 MCF. Gage 20 hours after treatment 1950 MCF.

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 dissolving.

## HISTORY OF OIL OR GAS WELL

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