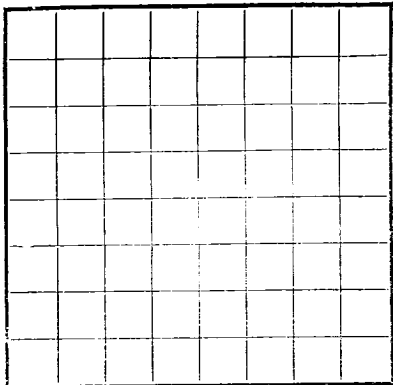


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 075049  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**RECEIVED**  
JUL 29 1953  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico  
Lessor or Tract Hughes Field Blanco State New Mexico  
Well No. 2-A Sec. 27 T. 2N R. 3E Meridian N.M.P.M. County San Juan  
Location 990 ft. S. of Line and 165 ft. E. of Line of Section 27 Elevation 6732'  
(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 Paul H. White

Date July 24, 1953 Title Petroleum Engineer.

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

Commenced drilling by 7, 1953. Finished drilling June 23, 1953.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 336 to 3442 (G) No. 4, from 5612 to 5712 (G)  
No. 2, from 4994 to 5120 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 5120 to 5612 (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— |                   |
| <u>7-5/8</u> | <u>25.4</u>     | <u>8</u>         | <u>ARMCO</u>    | <u>162'</u>  | <u>ARMCO</u> |                     |            |     | <u>Surface</u>    |
| <u>7</u>     | <u>83</u>       | <u>8</u>         | <u>Spence</u>   | <u>1072'</u> | <u>Taper</u> |                     |            |     | <u>Prod. Csg.</u> |
| <u>2</u>     | <u>4.74</u>     | <u>8</u>         | <u>Youngst.</u> | <u>5743'</u> |              |                     |            |     | <u>Prod. Tbg.</u> |

MUDDING AND CEMENTING RECORD

| Size casing  | Where set   | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|--------------|-------------|------------------------|--------------------|-------------|--------------------|
| <u>7-5/8</u> | <u>172</u>  | <u>125</u>             | <u>Circulation</u> |             |                    |
| <u>7</u>     | <u>4982</u> | <u>300</u>             | <u>Sing. Stage</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>quarts</u> | <u>Regular</u> | <u>SNG</u>     | <u>1790</u> | <u>6-21-53</u> | <u>5026-5776</u> | <u>5776</u>       |

TOOLS USED

Gas Drilling

Rotary tools were used from \_\_\_\_\_ feet to 4982 feet, and from 4982 feet to 5776 feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

June 23, 1953 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 5,74,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 1052

EMPLOYEES

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

FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET  | FORMATION                                               |
|-------------|-------------|-------------|---------------------------------------------------------|
|             | <u>435</u>  | <u>435</u>  | <u>Tan cr-grn ss w/thin sh breaks.</u>                  |
| <u>435</u>  | <u>1000</u> | <u>573</u>  | <u>Variegated sh w/thin ss breaks.</u>                  |
| <u>1000</u> | <u>2421</u> | <u>1413</u> | <u>Tan to gry cr-grn ss interbedded w/gry sh.</u>       |
| <u>2421</u> | <u>2510</u> | <u>89</u>   | <u>Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 2421.</u>   |
| <u>2510</u> | <u>3105</u> | <u>595</u>  | <u>Kirtland formation. Gry sh interbedded w/gry</u>     |
|             |             |             | <u>tight fine-grn ss. Top Kirtland 2510.</u>            |
| <u>3105</u> | <u>3369</u> | <u>264</u>  | <u>Fruitland formation. Gry carb sh, scattered coal</u> |
|             |             |             | <u>and gry, tight, fine-grn ss. Top Fruitland 3105.</u> |
| <u>3369</u> | <u>3442</u> | <u>73</u>   | <u>Pictured Cliffs formation. Gry, fine-grn, tight,</u> |
|             |             |             | <u>varicolored soft ss. Top Pictured Cliffs 3369.</u>   |
| <u>3442</u> | <u>4994</u> | <u>1552</u> | <u>Lewis formation. Gry to wh dense sh w/silty to</u>   |
|             |             |             | <u>shaly ss breaks. Top Lewis 3442.</u>                 |
| <u>4994</u> | <u>5120</u> | <u>134</u>  | <u>Cliff House ss. Gry, fine-grn, dense sil ss. Top</u> |
|             |             |             | <u>of Cliff House 4994.</u>                             |
| <u>5120</u> | <u>5612</u> | <u>484</u>  | <u>Menefee formation. Gry, fine-grn s, carb sh and</u>  |
|             |             |             | <u>coal. Top Menefee 5120.</u>                          |
| <u>5612</u> | <u>5712</u> | <u>100</u>  | <u>Point Lookout formation. Gry, very fine sil ss</u>   |
|             |             |             | <u>w/frequent sh breaks. Top Point Lookout 5612.</u>    |
| <u>5712</u> | <u>5776</u> | <u>64</u>   | <u>Mancos formation. Gry carb sh. Top Mancos 5712.</u>  |

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.