

Santa Fe

U. S. LAND OFFICE

SERIAL NUMBER

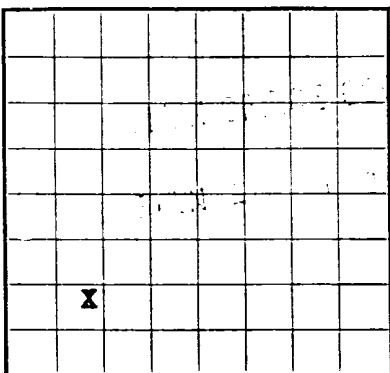
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LEASE OR PERMIT TO PROSPECT

14-08-001-1051

UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED  
JUN 12 1955  
U. S. GEOLOGICAL SURVEY  
WASHINGTON, D. C.

LOCATE WELL CORRECTLY

## LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
 Lessor or Tract San Juan 28-6 Unit Field Blanco State New Mexico  
 Well No. 23 Sec. 9 T. 27N R. 6W Meridian NMPM County Rio Arriba  
 Location 1090 ft. N of S Line and 1100 ft. E of W Line of Section 9 Elevation 6486'  
 (Denote base 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 G. J. Dallah Title Petroleum Engineer  
 Date June 9, 1955

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

Commenced drilling April 13, 1955 Finished drilling April 28, 1955

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3033 to 3205 (G) No. 4, from 5330 to 5500 (G)  
 No. 2, from 4778 to 4913 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from 5330 (G) to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_  
 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 | Depth | Amount | Remarks | Perforated | From | To      |
|-------------|-----------------|------------------|-------|--------|---------|------------|------|---------|
| 9 5/8"      | 25.4            | P.R.             | S.W.  | 160'   | Blanco  |            |      | Surface |
| 7"          | 17.7            | 8 RD             | J-55  | 240'   |         |            |      |         |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 9 5/8"      | 172'      | 125                    | Circulated   |             |                    |
| 7"          | 4740'     | 500                    | Single Stage |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapter—Material \_\_\_\_\_ Size \_\_\_\_\_

FOLD MARK

## 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 |
|-------------------|------------|----------------|----------|------|------------|-------------------|
| See Well History/ |            |                |          |      |            |                   |
|                   |            |                |          |      |            |                   |
|                   |            |                |          |      |            |                   |

## TOOLS USED Gas Drilled

Rotary tools were used from 0 feet to 4740 feet, and from 4740 feet to 5500 feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

## DATES

April 31, 1955

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 3,132,000 Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. 1096

## EMPLOYEES

....., Driller ..... , Driller

....., Driller ..... , Driller

## FORMATION RECORD

| FROM— | TO—       | TOTAL FEET | FORMATION                                                        |
|-------|-----------|------------|------------------------------------------------------------------|
| 0     | 1410      | 1410       | Tan cr-grn ss w/thin sh breaks.                                  |
| 1410  | 1910      | 500        | Variogated sh w/thin ss breaks.                                  |
| 1910  | 2500      | 590        | Tan to gry cr-grn ss interbedded w/gry sh.                       |
| 2500  | 2555      | 55         | Ojo Alamo wt. White cr-grn s.                                    |
| 2555  | 3878      | 323        | Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.       |
| 2878  | 3033      | 155        | Fruitland form. Gry carb sh, scattered coals                     |
| 3033  | 3205      | 172        | coals and gry, tight, fine-grn ss.                               |
| 3205  | 4778      | 1573       | Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss. |
| 4778  | 4913      | 135        | Levis formation. Gry to white dense sh                           |
| 4913  | 5330      | 417        | w/silty to shaly ss breaks.                                      |
| 5330  | 5465      | 135        | Cliff House ss. Gry, fine-grn, dense sil ss.                     |
| 5465  | 5500 T.D. | 35         | Manatee form. Gry, fine-grn s, carb sh & coal.                   |
|       |           |            | Point Lookout form. Gry, very fine sil ss                        |
|       |           |            | w/frequent sh breaks.                                            |
|       |           |            | Mancos formation. Gry carb sh.                                   |

|           |      |                            |            |                                  |
|-----------|------|----------------------------|------------|----------------------------------|
| FILE 3 60 | 7-22 | HISTORY OF OIL OR GAS WELL | 10-43004-2 | U. S. GOVERNMENT PRINTING OFFICE |
|-----------|------|----------------------------|------------|----------------------------------|

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.

April 30, 1955 Total Depth 5500'. Sandell Fracture Point Lookout from 5142' to 5500' with 12,300 gallons. Breakdown pressure 1400#, maximum pressure 1500#, Injection rate 7.5 bbls./min. Finish 2100 gallons. Natural gas 200 MCF/DAY.

| No.    | Flow | Pressure | Flow   | Pressure | Flow     | Pressure |      |
|--------|------|----------|--------|----------|----------|----------|------|
| No. 1  | Flow | 2330 (G) | No. 2  | Flow     | 2330 (G) | No. 3    | Flow |
| No. 4  | Flow | 2330 (G) | No. 5  | Flow     | 2330 (G) | No. 6    | Flow |
| No. 7  | Flow | 2330 (G) | No. 8  | Flow     | 2330 (G) | No. 9    | Flow |
| No. 10 | Flow | 2330 (G) | No. 11 | Flow     | 2330 (G) | No. 12   | Flow |

(Debris bag pH 6)

Commenced drilling ----- February 10 22 Entered drilling ----- May 25 10 22

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

Date: 1 May 1962  
 Signed: [Signature]  
 SO far as can be determined from all available records

[illegible][illegible]

LOC OF OIF OR CAS MEET

**CLUB OF EVE MEN**

ГЕОГРАФИЧКА СПРАВКА

DEPARTMENT OF THE INTERIOR

UNITED STATES

15-00000-1001  
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