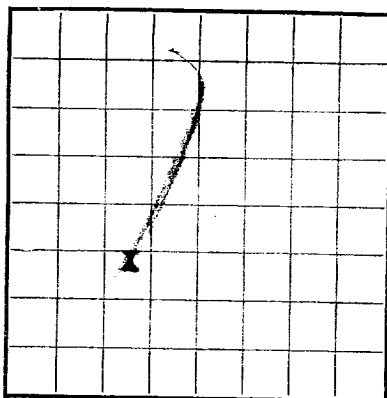


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 079382  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico  
Lessor or Tract McElvain Field Blanco State New Mexico  
Well No. 2-A Sec. 23 T. 30N R. 7W Meridian N. M. P. M. County Rio Arriba  
Location 1647 ft. N. of S. Line and 1636 ft. E. of W. Line of Section 23 Elevation 6199  
(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 School SchulermanDate March 25, 1953Title Petroleum Engineer.

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

Commenced drilling January 5, 1953 Finished drilling February 9, 1953

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3145 to 3220 (G) No. 4, from 5412 to 5497 (G)  
No. 2, from 4914 to 4998 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4998 to 5412 (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— |            |
| 13 3/8      | 48              | 8                | Spang    | 194    | BAKER        |                     |            |     | Surface    |
| 7 5/8       | 26              | 8                | Spang    | 1829   | BAKER        |                     |            |     | Prod. Org. |
| 2"          | 4.7             | 8                | Youngst. | 5319   | HISLOK       | OR OIL OR GAS WELL  |            |     | Prod. Tbg. |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 13 3/8      | 209       | 200                    | Circulated  |             |                    |
| 7 5/8       | 4838      | 300                    | Sing. 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 |
|-------|------------|----------------|----------|---------|------------|-------------------|
| Quart | Regular    | S.N.C.         | 1305     | 2-10-53 | 4887-5537  | 5515              |

## TOOLS USED

Rotary tools were used from 0 feet to 4838 feet, and from 4838 feet to 5537 feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ March 6, 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 2,220,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. 1057

## EMPLOYEES

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

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                                                  |
|-------|------|------------|------------------------------------------------------------------------------------------------------------|
| 0     | 420  | 420        | Tan cr-grn ss w/thin sh breaks.                                                                            |
| 420   | 1170 | 750        | Variegated sh w/thin ss breaks.                                                                            |
| 1170  | 1975 | 805        | Tan to gry cr-grn ss interbedded w/gry sh.                                                                 |
| 1975  | 2246 | 271        | Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1975.                                                             |
| 2246  | 2830 | 584        | Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2246.                         |
| 2830  | 3145 | 315        | Fruitland formation. Gry carb sh, scattered coals & gry, tight, fine-grn ss. Top Fruitland formation 2830. |
| 3145  | 3220 | 75         | Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 3145.            |
| 3220  | 4914 | 1694       | Lewis formation. Gry to wh dense sh w/silty to sh ss breaks. Top Lewis 3220.                               |
| 4914  | 4998 | 84         | Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 4914.                                      |
| 4998  | 5412 | 414        | Manefee formation. Gry, fine-grn s, carb sh and coal. Top Manefee 4998.                                    |
| 5412  | 5497 | 85         | Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 5412.               |
| 5497  | 5537 | 40         | Mancos formation. Gry carb sh. Top Mancos 5497.                                                            |