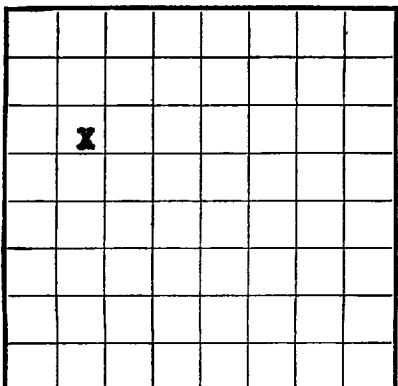


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078866  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



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 San Jacinto Field Artec P.C. State New Mexico  
Well No. 5 Sec. 21 T. 29N R. 10W Meridian N.M.P.M. County San Juan  
Location 1650 ft. N of N Line and 1090 ft. E of N Line of Section 21 Elevation 5634'  
(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 Original Signed R. G. MILLER

Date November 24, 1958 Title Petroleum Engineer

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

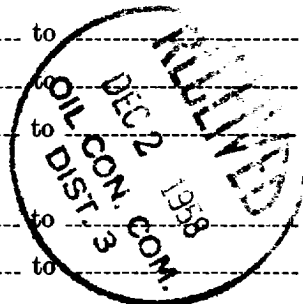
Commenced drilling 10-5-, 1958 Finished drilling 10-10-, 1958

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

No. 1, from 1928 to 2009 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ 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 | Out and pulled from | Purposes  |
|-------------|-----------------|------------------|-----------|--------|--------------|---------------------|-----------|
| 8-5/8"      | 32              | 8 Rd.            | J-55      | 127'   | Howco        |                     | Surface   |
| 5-1/2"      | 19.75           | 8 Rd.            | J-55      | 2053'  | Howco        |                     | Producing |
| 1-1/4"      | 2.4             | 8 Rd.            | Grade "A" | 1956'  |              |                     | Stem      |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 8-5/8"      | 139'      | 110                    | Circulated   |             |                    |
| 5-1/2"      | 2053'     | 150                    | 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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from 140 feet to 2053 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 140 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

11-13-, 1958 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 3,254,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 600 A.O.F.--3936 MCF/D

EMPLOYEES

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

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                        |
|-------|------|------------|----------------------------------------------------------------------------------|
| 0     | 771  | 771        | Tan to gry cr-grn ss interbedded w/gry sh.                                       |
| 771   | 904  | 133        | Ojo Alamo ss. White cr-grn s.                                                    |
| 904   | 1641 | 737        | Kirtland form. Gry sh interbedded with tight, gry fine-grn ss.                   |
| 1641  | 1928 | 267        | Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss. |
| 1928  | 2009 | 81         | Pictured Cliff form. Gry, fine-grn, tight, varicolored soft ss.                  |
| 2009  | 2053 | 44         | Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.               |

FROM—

TO—

TOTAL FEET

FORMATION

16—43094-4

FORMATION RECORD—Continued

