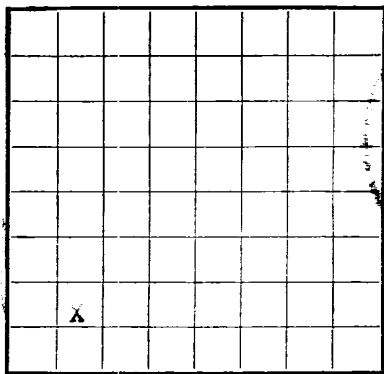


Form 9-830

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 079521  
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 Juan 28-5 Unit Field Blanco State New Mexico  
Well No. 36 Sec. 32 T. 28N R. 5W Meridian N.M.P.M. County Rio Arriba  
Location 990 ft. N. of S. Line and 990 ft. E. of W. Line of Sec. 32 Elevation 6600'  
(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 \_\_\_\_\_ Date May 21, 1959 Title Petroleum Engineer

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

Commenced drilling 3-30, 1959 Finished drilling 4-9, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3404 to 3519 (G) No. 4, from 5575 to 5702 (G)  
No. 2, from 5195 to 5225 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 5225 to 5575 (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 |            |              |
| 10 3/4      | 26.5            | 8                | J-55 | 161    | Reamer       |                     |    |            | Intermediate |
| 7 5/8       | 16.4            | 8                | J-55 | 2201   | Baker        |                     |    |            | Intermediate |
| 5 1/2       | 15.5            | 8                | Re.  | 5663   |              |                     |    |            | Prod. Tubing |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used            | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|------------------------|-------------|--------------------|
| 10 3/4      | 172'      | 120                    | Circulated             |             |                    |
| 7 5/8       | 3610'     | 138                    | Single Stage           |             |                    |
| 5 1/2       | 3561-5762 | 475                    | Single Stage & Squeeze |             |                    |

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

Rotary tools were used from \_\_\_\_\_ feet to 3611 feet, and from 3611 feet to 5766 feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

4-15, 1959 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 4,540,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 1053 A.G.F. = 10,941 MCF/D

EMPLOYEES

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

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                        |
|-------|------|------------|----------------------------------------------------------------------------------|
| 0     | 2755 | 2755       | Tan to gry cr-grn ss interbedded w/gry sh.                                       |
| 2755  | 2864 | 109        | Ojo Alamo ss. White cr-grn s.                                                    |
| 2864  | 3180 | 316        | Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.                       |
| 3180  | 3404 | 224        | Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss. |
| 3404  | 3519 | 115        | Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.                 |
| 3519  | 5195 | 1676       | Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.               |
| 5195  | 5225 | 30         | Cliff House ss. Gry, fine-grn, dense sil ss.                                     |
| 5225  | 5575 | 350        | Menefee form. Gry, fine-grn s, carb sh & coal.                                   |
| 5575  | 5720 | 145        | Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.                  |
| 5720  | 5766 | 46         | Mancos formation / Gry carb sh.                                                  |

FORMATION RECORD—Continued

