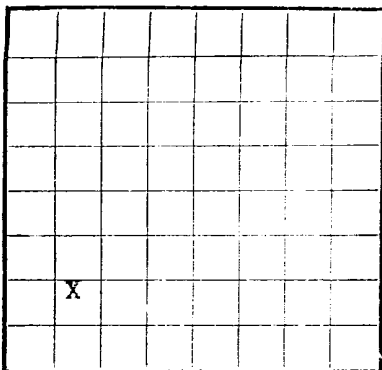




LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSanta Fe  
U. S. LAND OFFICE  
SERIAL NUMBER 079049-B  
LEASE OR PERMIT TO PROSPECT

## LOG OF OIL OR GAS WELL

Company E. Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract San Juan 20-6 Unit Field Blanco State New Mexico  
Well No. 21 Sec. 4 T. 27N R. 6W Meridian NMPH County Rio Arriba  
Location 1160 ft. (N.) of E Line and 902 ft. (E.) of W Line of Section 4 Elevation 6223'  
(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 D. J. EdwardsDate April 29, 1955 Title Petroleum Engineer

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

Commenced drilling March 25, 1955 Finished drilling April 3, 1955

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2908 to 2985 (G) No. 4, from 5038 to 5240 (G)  
No. 2, from 4540 to 4678 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4678 to 5088 (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— |            |
| 9 5/8"      | 36              | 8 RD             | J-55 | 160'   | Howco        |                     |            |     | Surface    |
| 7"          | 23              | 8 RD             | J-55 | 1017'  |              |                     |            |     |            |
| 7"          | 28              | 8 RD             | J-55 | 3493'  | Baker        |                     |            |     | Prod. C-G. |
| 2"          | 4.7             | 3 D              | J-55 | 4520'  |              |                     |            |     | Prod. C-G. |

## 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"          | 4520'     | 500                    | 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 |
|------|------------|------------------|----------|------|------------|-------------------|
|      |            | See well History |          |      |            |                   |

## TOOLS USED

Gas Drilled

Rotary tools were used from 0 feet to 4520 feet, and from 4520 feet to 5250 feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ April 10, 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 1,256,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. 1076

## EMPLOYEES

ROOM OF OUT OR CUB VASTLY

April 6, 1955 Total Depth 5250'. Sand-oil drift House formation. Interval treated 4520' - 4705' (ref. in casing at 4452'), with 14,018 gallons #2 diesel oil and 14,600# fine-grain sand. Breakdown pressure 1700 psi, maximum pressure 2200 psi, injection rate 7.2 bbls./min. Flush with 1800 gallons oil. Natural gas before treatment 166 MCF/D, after treatment est. 650 MCF/D.

April 9, 1955 Total Depth 5250'. Sand-oil drift House formation. Interval treated 5015' - 5250' with 13,400 gallons oil and 14,200# sand. Breakdown pressure 1400 psi, maximum pressure 1400 psi, minimum pressure 1300 psi. Injection rate 0.2 bbls./min. Flush with 2200 gallons oil. Natural gas of point breakout before treatment est. 105 MCF/D.