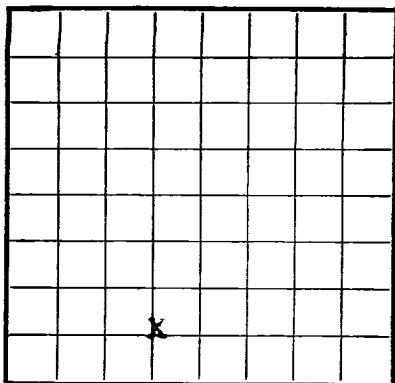
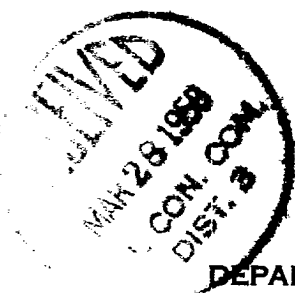


U. S. LAND OFFICE **NM**  
SERIAL NUMBER **03413**  
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**RECEIVED**  
MAR 26 1958  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO**LOG OF OIL OR GAS WELL**Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico  
Lessor or Tract Eddy Field Undesignated State New Mexico  
Well No. 1 Sec. 33 T. 27-N R. 12-W Meridian NMPM County San Juan  
Location 660 ft. N. of S. Line and 1980 ft. E. of W. Line of Section 33 Elevation 5961'  
(Deriv. 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 BY: WILLIAM K. GLAENER**Date March 24, 1958 Title Petroleum Engineer

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

Commenced drilling January 5, 1958 Finished drilling January 15, 1958**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 5054' to 5082' No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 5097' to 5115' 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 | Thread per inch | Make | Amount | Kind of shoe | Cut and pulled from | Purpose      |
|------------------------|-----------------|-----------------|------|--------|--------------|---------------------|--------------|
| 10-3/4"                | 32.75           | P.E.            | S.W. | 161'   | Baker        | 2024 - 2085         | Surface Csg. |
| 7-5/8"                 | 26.40           | K.B.            | J-55 | 4032'  | Baker        | 2085 - 2112         | Prod. Csg.   |
| 5-1/2"                 | 18.50           | K.B.            | J-55 | 1930'  | Baker        | 2112 - 2112         | Prod. Liner  |
| HYDROK OIL OK CV2 METT |                 |                 |      |        |              |                     |              |

**MUDDING AND CEMENTING RECORD**

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 10-3/4"     | 173'      | 125                    | Circulated   |             |                    |
| 7-5/8"      | 4046'     | 250                    | Single Stage |             |                    |
| 5-1/2"      | 3981-5201 | 200                    | Single Stage |             |                    |

**PLUGS AND ADAPTERS**

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

Adapters—Material Baker EOJ Packer Size 2-3/8" x 5-1/2" set at 4995'**SHOOTING RECORD**

| Size | Shell used | Explosive used | Quantity      | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|---------------|------|------------|-------------------|
|      |            |                | See "Remarks" |      |            |                   |

**TOOLS USED**Rotary tools were used from 0 feet to 5202 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

**DATES**\_\_\_\_\_ January 31, 1958 Put to producing \_\_\_\_\_ March 5, 1958The production for the first 24 hours was 22 barrels of fluid of which 100% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, <sup>°Bé</sup> XXXX API 41.2

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

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

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

**FORMATION RECORD**

| FROM—                                               | TO—  | TOTAL FEET | FORMATION                                                                                                    |
|-----------------------------------------------------|------|------------|--------------------------------------------------------------------------------------------------------------|
| 0                                                   | 215  | 215        | Interbedded sandstone and shale.                                                                             |
| 215                                                 | 295  | 80         | Ojo Alamo ss. White, coarse grained sand.                                                                    |
| 295                                                 | 1009 | 714        | Kirtland form. Gy. sh. inbd. with tight gy. FG ss.                                                           |
| 1009                                                | 1275 | 266        | Fruitland form. Gy. carb. sh., scat. coals, coals & gy. tight FG ss.                                         |
| 1275                                                | 1349 | 74         | Pictured Cliffs form. Gray, FG, tight, varicolored soft ss.                                                  |
| 1349                                                | 2130 | 781        | Lewis form. Gy. to white ds. sh. w/silty to shaley ss breaks.                                                |
| 2130                                                | 3770 | 1640       | Mesa Verde form. Gy., FG, ds. silty ss., carb. shale and coal.                                               |
| 3770                                                | 4025 | 255        | Point Lookout form. Gy., v/fn. silty ss w/frequent shale breaks.                                             |
| 4025                                                | 4861 | 836        | Mancos form. Gy. carb. sh.                                                                                   |
| 4861                                                | 5202 | 341        | Gallup form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. gr. ss. w/irreg. interbedded shale. |
| TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS. |      |            |                                                                                                              |

FROM

TO

TOTAL FEET

(OVER)

FORMATION

16-43094-4

FORMATION RECORD—Continued

GEOL OGICAL SURVEY

LOCATE WELL CORRECTLY

The summary on this page is for the condition of the well as observed on \_\_\_\_\_

## 2nd Jan 1994 00

|              |          |              |          |
|--------------|----------|--------------|----------|
| .....at..... | mod 4.0Z | .....at..... | mod 4.0Z |
| .....63..... | mod 5.0Z | .....63..... | mod 5.0Z |
| .....at..... | mod 6.0Z | .....at..... | mod 6.0Z |

## IMPORTANT WATER FINDS

$\rho_{\text{max}} = 0.001 \text{ g cm}^{-3}$  and  $\rho_{\text{min}} = 0.0001 \text{ g cm}^{-3}$  for the  $\text{H}_2\text{O}$  and  $\text{H}_2$  phases, respectively. The  $\text{H}_2$  phase is assumed to be pure  $\text{H}_2$  and the  $\text{H}_2\text{O}$  phase is assumed to be pure  $\text{H}_2\text{O}$ . The  $\text{H}_2$  phase is assumed to be pure  $\text{H}_2$  and the  $\text{H}_2\text{O}$  phase is assumed to be pure  $\text{H}_2\text{O}$ .

2000 ml. Dropped 23 rubber balls three times.

reading pressure 2700 psi, Avg. reading pressure

MAXIMUM 40,000# 9,000 gal. IR - 65.2

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.

## HISTORY OF OIL OR GAS WELL

**MUDGING AND CEMENTING RECORD**

| BP<br>category | White<br>female | Black<br>female | Black<br>male | White<br>male | Method used | White<br>female | White<br>male |
|----------------|-----------------|-----------------|---------------|---------------|-------------|-----------------|---------------|
| 1              |                 |                 |               |               |             |                 |               |
| 2              |                 |                 |               |               |             |                 |               |
| 3              |                 |                 |               |               |             |                 |               |
| 4              |                 |                 |               |               |             |                 |               |
| 5              |                 |                 |               |               |             |                 |               |
| 6              |                 |                 |               |               |             |                 |               |
| 7              |                 |                 |               |               |             |                 |               |
| 8              |                 |                 |               |               |             |                 |               |
| 9              |                 |                 |               |               |             |                 |               |
| 10             |                 |                 |               |               |             |                 |               |
| 11             |                 |                 |               |               |             |                 |               |
| 12             |                 |                 |               |               |             |                 |               |
| 13             |                 |                 |               |               |             |                 |               |
| 14             |                 |                 |               |               |             |                 |               |
| 15             |                 |                 |               |               |             |                 |               |
| 16             |                 |                 |               |               |             |                 |               |
| 17             |                 |                 |               |               |             |                 |               |
| 18             |                 |                 |               |               |             |                 |               |
| 19             |                 |                 |               |               |             |                 |               |
| 20             |                 |                 |               |               |             |                 |               |
| 21             |                 |                 |               |               |             |                 |               |
| 22             |                 |                 |               |               |             |                 |               |
| 23             |                 |                 |               |               |             |                 |               |
| 24             |                 |                 |               |               |             |                 |               |
| 25             |                 |                 |               |               |             |                 |               |
| 26             |                 |                 |               |               |             |                 |               |
| 27             |                 |                 |               |               |             |                 |               |
| 28             |                 |                 |               |               |             |                 |               |
| 29             |                 |                 |               |               |             |                 |               |
| 30             |                 |                 |               |               |             |                 |               |
| 31             |                 |                 |               |               |             |                 |               |
| 32             |                 |                 |               |               |             |                 |               |
| 33             |                 |                 |               |               |             |                 |               |
| 34             |                 |                 |               |               |             |                 |               |
| 35             |                 |                 |               |               |             |                 |               |
| 36             |                 |                 |               |               |             |                 |               |
| 37             |                 |                 |               |               |             |                 |               |
| 38             |                 |                 |               |               |             |                 |               |
| 39             |                 |                 |               |               |             |                 |               |
| 40             |                 |                 |               |               |             |                 |               |
| 41             |                 |                 |               |               |             |                 |               |
| 42             |                 |                 |               |               |             |                 |               |
| 43             |                 |                 |               |               |             |                 |               |
| 44             |                 |                 |               |               |             |                 |               |
| 45             |                 |                 |               |               |             |                 |               |
| 46             |                 |                 |               |               |             |                 |               |
| 47             |                 |                 |               |               |             |                 |               |
| 48             |                 |                 |               |               |             |                 |               |
| 49             |                 |                 |               |               |             |                 |               |
| 50             |                 |                 |               |               |             |                 |               |
| 51             |                 |                 |               |               |             |                 |               |
| 52             |                 |                 |               |               |             |                 |               |
| 53             |                 |                 |               |               |             |                 |               |
| 54             |                 |                 |               |               |             |                 |               |
| 55             |                 |                 |               |               |             |                 |               |
| 56             |                 |                 |               |               |             |                 |               |
| 57             |                 |                 |               |               |             |                 |               |
| 58             |                 |                 |               |               |             |                 |               |
| 59             |                 |                 |               |               |             |                 |               |
| 60             |                 |                 |               |               |             |                 |               |
| 61             |                 |                 |               |               |             |                 |               |
| 62             |                 |                 |               |               |             |                 |               |
| 63             |                 |                 |               |               |             |                 |               |
| 64             |                 |                 |               |               |             |                 |               |
| 65             |                 |                 |               |               |             |                 |               |
| 66             |                 |                 |               |               |             |                 |               |
| 67             |                 |                 |               |               |             |                 |               |
| 68             |                 |                 |               |               |             |                 |               |
| 69             |                 |                 |               |               |             |                 |               |
| 70             |                 |                 |               |               |             |                 |               |
| 71             |                 |                 |               |               |             |                 |               |
| 72             |                 |                 |               |               |             |                 |               |
| 73             |                 |                 |               |               |             |                 |               |
| 74             |                 |                 |               |               |             |                 |               |
| 75             |                 |                 |               |               |             |                 |               |
| 76             |                 |                 |               |               |             |                 |               |
| 77             |                 |                 |               |               |             |                 |               |
| 78             |                 |                 |               |               |             |                 |               |
| 79             |                 |                 |               |               |             |                 |               |
| 80             |                 |                 |               |               |             |                 |               |
|                |                 |                 |               |               |             |                 |               |

## PLUGS AND ADAPTERS

|               |            |           |          |              |          |
|---------------|------------|-----------|----------|--------------|----------|
| Hearing Date— | Witnesses— | Exhibits— | Verdict— | Jury Charge— | Remarks— |
|---------------|------------|-----------|----------|--------------|----------|

SHOOTING RECORD

[illegible]

TOOLS USED

|         |                        |         |                |
|---------|------------------------|---------|----------------|
| of feet | and had been used from | of feet | were used from |
| of feet | and had been used from | of feet | were used from |

DATE

|                                           |                                    |                                           |                    |
|-------------------------------------------|------------------------------------|-------------------------------------------|--------------------|
| It was well on in the 24 hours            | emulsion of water and 6% sediment. | The production for the first 24 hours was | But to be finished |
| Gallons classing from 1 to 100 lb. of gas | Gravity 60.0                       | Barrels of fluid of which 28 were off     |                    |

## EMPLOYEES

|     |  |        |  |
|-----|--|--------|--|
| Dr. |  | Dollar |  |
| Ct. |  | Dollar |  |

FORMATION RECORD

[illegible]