

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 079232  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract Bolack Field Ballard P.C. Ext. State New Mexico  
Well No. 9-C(FM) Sec. 31 T. 27N R. 8W Meridian N.M.P.M. County San Juan  
Location 1650 ft. ~~XXX~~ of N Line and 990 ft. ~~XXX~~ of E Line of Section 31 Elevation 6126'  
(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 D. C. Johnston

Date October 10, 1957 Title Petroleum Engineer

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

Commenced drilling 6-13, 1957 Finished drilling 8-19, 1957.

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

(Delete page by 4)

|                         |                    |                         |                    |
|-------------------------|--------------------|-------------------------|--------------------|
| No. 1, from <u>2021</u> | to <u>2095 (G)</u> | No. 4, from <u>4319</u> | to <u>4706 (G)</u> |
| No. 2, from <u>3633</u> | to <u>3682 (G)</u> | No. 5, from             |                    |
| No. 3, from <u>3682</u> | to <u>4319 (G)</u> | No. 6, from             |                    |

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, 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      | 32.75           | P. E.            | S. W.     | 162'   | Howco        |                     |            |     | Surface      |
| 7 5/8       | 26.4            | 8 Rd.            | J-55      | 1235'  | Baker        |                     |            |     | Prod. Cag.   |
| 5 1/2       | 35.5            | 8 Rd.            | J-55      | 916'   | Baker        |                     |            |     | Prod. Liner  |
| 2"          | 4.7             | 8 Rd.            | J-55      | 1373'  |              |                     |            |     | Prod. Tubing |
| 1 1/4"      | 2.3             | 8 Rd.            | Grade "B" | 2070'  |              |                     |            |     | Siphon       |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity                              | Amount of mud used |
|-------------|-----------|------------------------|--------------|------------------------------------------|--------------------|
| 10 3/4"     | 171'      | 225                    | Circulated   |                                          |                    |
| 7 5/8"      | 4245'     | 450                    | Two stages & | Sq. (150 aks. each stg. & 150 aks on sq) |                    |
| 5 1/2"      | 4177-4693 | 140                    | Single Stage |                                          |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size **Baker "EGJ" Packer @ 4220'**

## SHOOTING RECORD

[illegible]

## TOOLS USED

|                             | Rotary tools | Cable tools  | Gas drilled         |
|-----------------------------|--------------|--------------|---------------------|
| Rotary tools were used from | 175          | feet to 4250 | feet, and from 4250 |
| Cable tools were used from  | 0            | feet to 175  | feet, and from      |
|                             |              |              | feet to             |

## DATES

DATE \_\_\_\_\_  
 \_\_\_\_\_ 8-28 \_\_\_\_\_, 1957 \_\_\_\_\_ 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 **P.C. 1,964,000**  
**M.V. 2,836,000** Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 1068 (MV) A.O.F. P.C. 2065  
M.V. 3271 MCF/D

| EMPLOYEES |         |
|-----------|---------|
| Driller   | Driller |

## EMPLOYEES

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

## FORMATION RECORD

| FROM-- | TO-- | TOTAL FEET | FORMATION                                                                           |
|--------|------|------------|-------------------------------------------------------------------------------------|
| 0      | 1138 | 1138       | Tan to gry cr-grn ss interbedded w/gry sh.                                          |
| 1138   | 1317 | 179        | Ojo Alamo ss. White cr-grn s.                                                       |
| 1317   | 1827 | 510        | Kirtland form. Gry sh interbedded w/tight<br>gry fine-grn ss.                       |
| 1827   | 2021 | 194        | Fruitland form. Gry carb sh, scattered coals,<br>coals and gry, tight, fine-grn ss. |
| 2021   | 2095 | 74         | Pictured Cliffs form. Gry, fine-grn, tight,<br>varicolored soft ss.                 |
| 2095   | 3633 | 1538       | Lewis formation. Gry to white dense sh w/silty<br>to shaly ss breaks.               |
| 3633   | 3682 | 49         | Cliff House ss. Gry, fine-grn, dense sil ss.                                        |
| 3682   | 4319 | 637        | Menefee form. Gry, fine-grn s, carb sh & coal.                                      |
| 4319   | 4706 | 387        | Point Lookout form. Gry, very fine sil ss<br>w/frequent sh breaks.                  |
|        |      |            | Mancos formation. Gry carb sh.                                                      |

