

U. S. LAND OFFICE SP  
SERIAL NUMBER 031226  
LEASE OR PERMIT TO PROSPECT PL

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico  
Lessor or Tract Horseshoe Canyon Field Horseshoe Gallup State New Mexico  
Well No. 10 Sec. 10 T. 30N R. 16W Meridian N14PM County San Juan  
Location 1880 ft. <sup>XX</sup> of N Line and 760 ft. <sup>XX</sup> of W Line of section 10 Elevation 5194  
(Denick 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: JOSEPH E. KREGER**

Date February 3, 1959 Title Petroleum Engineer

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

Commenced drilling December 5, 1958 Finished drilling December 24, 1958

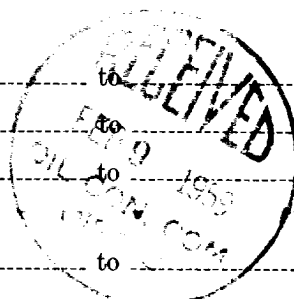
OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1300' to 1344' No. 4, from \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_

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-  |             |
| 8-5/8"      | 32.00           | 8 Rd.            | J-55 | 92     | Baker        |                     |            |      | Surf. L.Sg. |
| 5-1/2"      | 15.50           | 8 Rd.            | J-55 | 1431   | Baker        |                     | 1300       | 1344 | Prod. Coy.  |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 8-5/8"      | 103       | 125                    | Circulated   |             |                    |
| 5-1/2"      | 1461      | 100                    | 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

Rotary tools were used from 0 feet to 1463 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

December 31, 1958 Put to producing January 14, 1959

The production for the first 24 hours was 121 barrels of fluid of which 100% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, <sup>°Bé.</sup> 9.4 PI +1.2

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

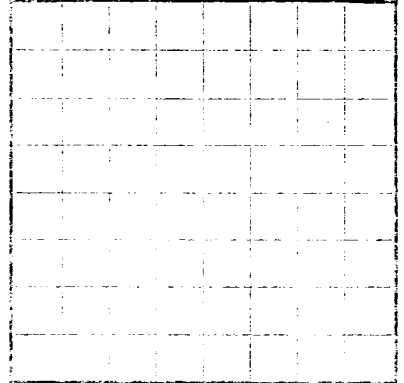
FORMATION RECORD

| FROM- | TO-  | TOTAL FEET | FORMATION   |
|-------|------|------------|---|
| 0     | 1160 | 1160       | Mancos Form. Gy. carb. sl.  |
| 1160  | 1430 | 270        | Gallup Form. Lt. gy. to bn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale. |
| 1430  | 1465 | 35         | Sanstee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. inbd. dk. gy. sl.                          |

TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

U.S. Land Office  
State of \_\_\_\_\_  
County of \_\_\_\_\_  
Township of \_\_\_\_\_  
Range of \_\_\_\_\_  
Section of \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company, \_\_\_\_\_  
Operator or Lessee, \_\_\_\_\_  
Well No., \_\_\_\_\_  
Location, \_\_\_\_\_  
The information given hereon is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Signed \_\_\_\_\_  
Date \_\_\_\_\_  
Title \_\_\_\_\_

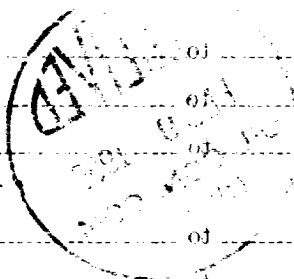
The summary on this page is for the condition of the well at above date.  
Commenced drilling \_\_\_\_\_, 19\_\_\_\_  
Finished drilling \_\_\_\_\_, 19\_\_\_\_

OIL OR GAS SANDS OR ZONES

Table with columns for zone number and depth (ft. from top/bottom). Includes zones No. 1 through No. 6.

IMPORTANT WATER SANDS

Table with columns for zone number and depth (ft. from top/bottom). Includes zones No. 1 through No. 4.



Sampled fractured beds, 1306'-1314' with 27,804 gal. oil and 30,000 gal. gas.  
Sand: drop w/1470 gal. oil, 18'-56.1 ft. ; MIP-1050, 687'-2000;  
ALP-1025; dropped 29 tank cases.

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 "struck" 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 pulling.

HISTORY OF OIL OR GAS WELL

Main table with columns: FROM, TO, TOTAL FEET, FORMATION. Includes sub-sections: MIDDING AND CEMENTING RECORD, PLUGS AND ADAPTERS, SHOOTING RECORD, TOOLS USED, DATES, EMPLOYEES, FORMATION RECORD.

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