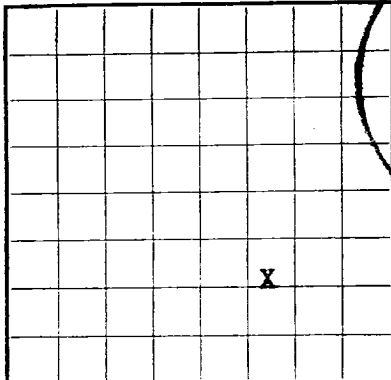
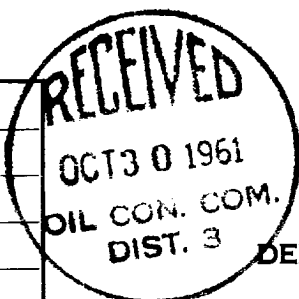




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078277  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico  
Lessor or Tract San Juan 29-5 Unit Field Wildcat State New Mexico  
Well No. 59 Sec. 7 T. 29N R. 5W Meridian N.M.P.M. County Rio Arriba  
Location 1730 ft. N of 1 Line and 1750 ft. W of E Line of Section 7 Elevation 6502  
(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 October 23, 1961 Title Petroleum Engineer

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

Commenced drilling 4-12-, 1961 Finished drilling 8-10-, 1961

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ 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 | Threads per inch | Make    | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose      |
|-------------|-----------------|------------------|---------|--------|--------------|---------------------|------------|-----|--------------|
|             |                 |                  |         |        |              |                     | From—      | To— |              |
| 20"         | 63.2            | 8 rd             | 1-52-80 | 237    | Blower       |                     |            |     | Cord         |
| 13 7/8"     | 37.44           | 8 rd             | 1-80-75 | 726    | Blower       |                     |            |     | Surface      |
| 9 5/8"      | 40.43.5         | 8 rd             | 1-80-95 | 7811   | Blower       |                     |            |     | Intermediate |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 20"         | 270       | 425                    | circulated   |             |                    |
| 13 7/8"     | 3744      | 1875                   | single stage |             |                    |
| 9 5/8"      | 7811      | 1750                   | 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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 3750 feet, and from 3750 (Caa) feet to 7803 feet  
Rotary tools were used from 7803 feet to 14,423 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

P & A \_\_\_\_\_, 19\_\_\_\_ 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 & A \_\_\_\_\_ 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      | 2045   | 2045       | Tan to gry cr-grn ss interbedded w/gry sh.                                                                                      |
| 2045   | 2775   | 130        | Ojo Alamos. White cr-grn s.                                                                                                     |
| 2775   | 3135   | 300        | Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.                                                                      |
| 3135   | 3441   | 231        | Fruitland form. Gry carb sh, scattered coals, coals and gr., tight, fine-grn ss.                                                |
| 3441   | 3577   | 131        | Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.                                                                |
| 3577   | 5311   | 1734       | Lewis form. Gry, fine-grn dense sil ss.                                                                                         |
| 5311   | 5347   | 36         | Cliff House ss. Gry, fine-grn dense sil ss.                                                                                     |
| 5347   | 5630   | 283        | Manefee form. Gry, fine-grn s, carb sh & coal.                                                                                  |
| 5630   | 5980   | 350        | Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.                                                                 |
| 5980   | 7803   | 1823       | Mancos form. Gry carb sh.                                                                                                       |
| 7803   | 7970   | 171        | Dakota form. Lt to dk gry foss carb sl calc sl silt, ss w/prite incl thin sh bands clay & shale breaks.                         |
| 7970   | 9610   | 1631       | Morrison form. Interbed grn brn & red waxy sh & fr to cr grn sd.                                                                |
| 9610   | 12,070 | 2460       | Shinarump form. Gry & purple med grn congl. ss inter w/soft brn & grn sh.                                                       |
| 12,070 | 13,578 | 1508       | Pennsylvanian - Interbed gry & buff sandstone, gry & grn sh, gry to gry-grn siltstones & gry to tan fine crystalline limestone. |

## FORMATION RECORD—Continued

| FROM-  | TO-    | TOTAL FEET | FORMATION                                                                                                                   |
|--------|--------|------------|-----------------------------------------------------------------------------------------------------------------------------|
| 13,774 | 13,821 | 147        | Molas-Interbedded grn, gr & red shale & siltstones                                                                          |
| 13,821 | 13,890 | 69         | white to grn sandstone. Wht to gry lms.                                                                                     |
| 13,890 | 14,030 | 140        | Mississippian - Wht, lt gry & brn fine<br>Crystalline lms.                                                                  |
| 14,030 | 14,423 | 393        | Devonian - grn to brn fine crystalline lms,<br>brn shale.<br>Pre-Cambrian-Wht, gry-grn, brn fine to med<br>grain quartzite. |

### HISTORY OF OIL OR GAS WELL

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.

**Cores:**

No. 1 Recovered 7' of 24' made.  
No. 2 12736-12753 Rec. 17'.  
No. 3 Rec. 60'.  
No. 4 14134-14135' No Rec.

DET #1 8849-~~88~~ 8874; O.P. 36". No blow by F.P. 470-470, SIP 795- 1 hr. Rec.  
1000' water blanket and 50' g fresh. HH 4020-3970.  
Temp. 235°.

DST #2 12668-12703 Temp. 327°.

This well was plugged and abandoned in the following manner:

1. 25 sk cement plug @ 13290-13990.
2. 25 sk cement plug @ 13660-13730.
3. 25 sk cement plug @ 12850-12920.
4. 50 sk cement plug @ 12650-12790.
5. 25 sk cement plug @ 10570-10640.
6. 35 sk cement plug @ 9610-9710.
7. 25 sk cement plug @ 7760-7830.
8. Shot casing off @ 3068'. Pulled 28 joints 9 5/8".
9. Set 25 sk plug @ 3080-3060'.
10. Installed dry hole marker and cemented surface plug with 25 sk cement.

FOR OF ON OF ONE MORE

1990-1991 file 15A

REVEALMENT OF THE INFLUENCE  
ON THE COURSE.

RECEIVED  
JUL 10 1961  
AIR COR CORP  
JUL 10 1961

1951 2000