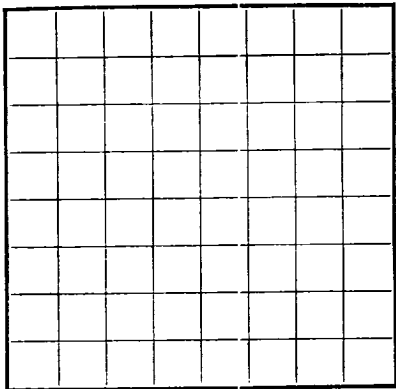
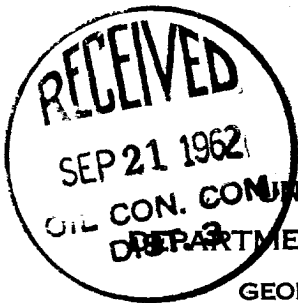




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 079393  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOG OF OIL OR GAS WELL

U. S. GEOLOGICAL SURVEY  
SANTA FE, NEW MEXICO

Company El Paso Natural Gas Company Address P. O. Box 990, Farmington, New Mexico  
Lessor or Tract San Juan 27-5 Field Basin Dakota State New Mexico  
Well No. 82 Sec. 6 T. 27N R. 5W Meridian N.M.P.M. County Rio Arriba  
Location 1450 ft. N. of S Line and 1450 ft. E. of W Line of Section 6 Elevation 6513  
(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. ORIGINAL SIGNED H.E. McANALLY  
Signed \_\_\_\_\_

Date September 18, 1962 Title Petroleum Engineer

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

Commenced drilling 7-15, 19 62 Finished drilling 8-5, 19 62

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 7493 to 7624 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 7624 to 7815 (G) 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— |               |
| 9 5/8"      | 32.3            | 8 1/2            | J-40 | 312    | WACO         |                     |            |     | Surface       |
| 4 1/2"      | 16.5            | 8 1/2            | J-55 | 7604   | Baker        |                     |            |     | Prod. casing. |
| 2 3/8"      | 8.7             | 8 1/2            | J-55 | 7772   | Baker        |                     |            |     | Prod. tubing  |
|             |                 |                  |      |        |              |                     |            |     |               |
|             |                 |                  |      |        |              |                     |            |     |               |
|             |                 |                  |      |        |              |                     |            |     |               |
|             |                 |                  |      |        |              |                     |            |     |               |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 9 5/8"      | 325       | 210                    | circulated  |             |                    |
| 4 1/2"      | 7815      | 520                    | 3 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 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|----------|------|------------|-------------------|
| Perf 7528-34; 7554-60 (2 SFF); 7646-50 (3 SFF); 7661-67; 7732-38; 7746-52; 7774-80 (2 SFF);<br>Frac w/80,000 gallons water, 69,000# sand. Flush w/5500 gallons water. I.R. 27.5 BPM.<br>Max pr 4000#, IDP 2250#, tr pr 3300-4000#, 4 drops of 12 balls. |            |                |          |      |            |                   |
|                                                                                                                                                                                                                                                         |            |                |          |      |            |                   |
|                                                                                                                                                                                                                                                         |            |                |          |      |            |                   |
|                                                                                                                                                                                                                                                         |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from 0 feet to 7815 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

8-24, 19 62 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 3,930,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 2422 csg. A.O.F. 4787 MCF/D

EMPLOYEES

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

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                                |
|-------|------|------------|------------------------------------------------------------------------------------------|
| 0     | 2688 | 2688       | Tan to gry cr-grn ss interbedded w/gry sh.                                               |
| 2688  | 2806 | 118        | Ojo Alamo ss. White cr-grn s.                                                            |
| 2806  | 3123 | 317        | Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.                               |
| 3123  | 3322 | 199        | Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.         |
| 3322  | 3419 | 97         | Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.                        |
| 3419  | 5014 | 1595       | Lewis form. Gry, fine-grn, dense sil ss.                                                 |
| 5014  | 5158 | 144        | Cliff House ss. Gry, fine-grn, dense sil ss.                                             |
| 5158  | 5497 | 339        | Manefee form. Gry, fine-grn s, carb sh & coal.                                           |
| 5497  | 5660 | 163        | Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.                          |
| 5660  | 6505 | 845        | Mancos form. Gry carb sh.                                                                |
| 6505  | 7430 | 925        | Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.  |
| 7430  | 7493 | 63         | Greenhorn form. Highly calc gry sh w/thin lmst.                                          |
| 7493  | 7624 | 131        | Graneros form. Dk gry sh, fossil & carb w/prite incl.                                    |
| 7624  | 7815 | 191        | Dakota form. Dk gry shale, fossil & carb w/prite incl thin sh bands clay & shale breaks. |

