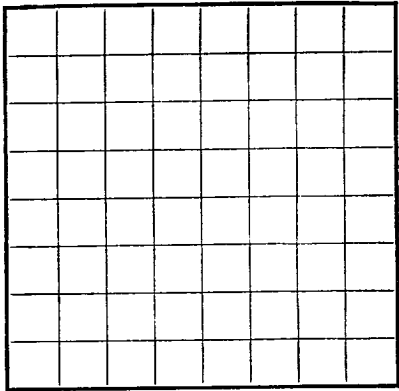
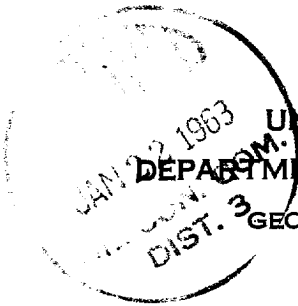


U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **078060-A**  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED  
JAN 21 1963

U. S. GEOLOGICAL SURVEY  
ALBUQUERQUE, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico  
Lessor or Tract Huerfano Unit Field Basin Dakota State New Mexico  
Well No. 136 Sec. 21 T. 26N R. 9W Meridian N.M.P.M. County San Juan  
Location 1850 ft. N of S Line and 1450 ft. E of E Line of Section 21 Elevation 6412  
(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 January 16, 1963 Title Petroleum Engineer

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

Commenced drilling 11-10-, 19 62 Finished drilling 11-22-, 19 62

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

No. 1, from 6389 to 6516 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 6516 to 6703 (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"      | 43.5            | 8 rd             | J-80 | 325    | HOBAS        | _____               | _____      | _____ | Surface     |
| 5 1/2"      | 37.5            | 8 rd             | J-80 | 55     | Baker        | _____               | _____      | _____ | Prod casing |
| 2 3/8"      | 4.7             | 8 rd             | J-55 | 6582   | _____        | _____               | _____      | _____ | 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"      | 327       | 210                    | circulated  | _____       | _____              |
| 5 1/2"      | 6703      | 465                    | 2 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 6406-18(1 SPF); 6444-48; (2 SPF); 6506-18(1 SPF); 6624-30(2 SPF); Frac w/75,470 gallons water, 75,000# sand. Flush w/5080 gallons water. IR 31.5 BPM. BDP 2800#, trpr 2300#, max pr 4000#. 3 drops of 12 balls. |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from 0 feet to 6703 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

12-6, 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 2,219,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 1931 csg. A.O.F. 2625 MCF/D

EMPLOYEES

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

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION       |
|-------|------|------------|-----------------|
| 0     | 1124 | 1124       | Ojo Alamo       |
| 1124  | 1281 | 157        | Kirtland        |
| 1281  | 1845 | 564        | Fruitland       |
| 1845  | 2004 | 159        | Pictured Cliffs |
| 2004  | 2083 | 79         | Lewis           |
| 2083  | 3590 | 1507       | Cliff House     |
| 3590  | 3631 | 41         | Manefee         |
| 3631  | 4422 | 791        | Point Lookout   |
| 4422  | 4585 | 163        | Mancos          |
| 4585  | 5472 | 887        | Gallup          |
| 5472  | 6337 | 865        | Greenhorn       |
| 6337  | 6389 | 52         | Graneros        |
| 6389  | 6516 | 127        | Dakota          |
| 6516  | 6703 | 187        |                 |

