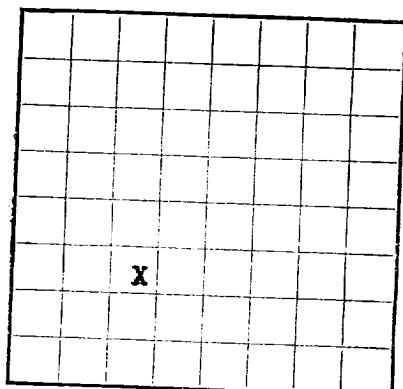


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078390  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract Jones Field Bianco State New Mexico  
Well No. 5-A Sec. 13 T. 28N R. 3W Meridian NMPM County San Juan  
Location 1550 ft. N. of S. Line and 1800 ft. E. of W. Line of Section 13 Elevation 6287  
(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 School SchulerDate June 11, 1956Title Petroleum Engineer

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

Commenced drilling April 20, 1956 Finished drilling May 1, 1956

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2858 to 2990 (G) No. 4, from 5086 to 5235 ( )  
No. 2, from 4497 to 4620 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4620 to 5086 (G) 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 |              |
| 10 3/4"     | 32.75           | P.E.             | S.W. | 161    | Howco        |                     |            |    | Surface      |
| 7 5/8"      | 28.8            | 8.8              | 8.8  | 161    | Howco        |                     |            |    | Intermediate |
| 5 1/2"      | 19.5            | 8.8              | 8.8  | 161    | Howco        |                     |            |    | Production   |
| 2"          | 4.7             | 8.8              | 8.8  | 161    | Howco        |                     |            |    | Production   |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 10 3/4"     | 173'      | 125                    | Circulated   |             |                    |
| 7 5/8"      | 3028'     | 250                    | Single Stage |             |                    |
| 5 1/2"      | 5235'     | 225                    | 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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ May 6, 1956 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 5030 Calculated A.G.F. 13,992 MCF/D.Rock pressure, lbs. per sq. in. 1064

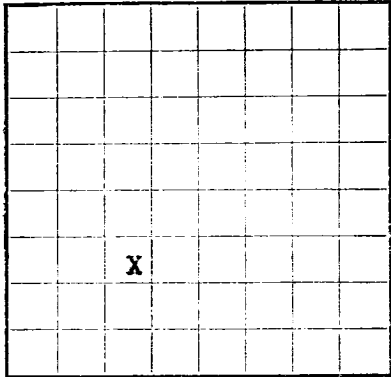
## EMPLOYEES

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

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                        |
|-------|------|------------|------------------------------------------------------------------|
| 0     | 1924 | 1924       | tan to gry cr-grn ss interbedded w/gry sh.                       |
| 1924  | 2036 | 112        | Ojo Alamo ss. White cr-grn s.                                    |
| 2036  | 2560 | 524        | Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.       |
| 2560  | 2856 | 298        | Fruitland form. Gry carb sh, scattered coals                     |
| 2856  | 2990 | 132        | coals and gry, tight, fine-grn ss.                               |
| 2990  | 4497 | 1507       | Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss. |
| 4497  | 4620 | 123        | Lewis formation. Gry to white dense sh                           |
| 4620  | 5086 | 466        | w/silty to shaly ss breaks.                                      |
| 5086  | 5235 | 149        | Cliff House ss. Gry, fine-grn, dense sil ss.                     |
|       |      |            | Manefee form. Gry, fine-grn s, carb sh & coal.                   |
|       |      |            | Point Lookout form. Gry, very fine sil ss                        |
|       |      |            | w/frequent sh breaks.                                            |





LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract Jones Field B.ance State New Mexico  
Well No. 5-A Sec. 13 T. 23N R. 8W Meridian NMPM County San Juan  
Location 1550 ft. N. of 3 Line and 1200 ft. E. of W Line of Section 13 Elevation 287  
(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 School Schuler

Date June 11, 1956 Title Petroleum Engineer

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

Commenced drilling April 20, 1956 Finished drilling May 1, 1956

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

No. 1, from 2858 to 2990 (G) No. 4, from 5086 to 5235 ( )  
No. 2, from 4497 to 4620 (G) No. 5, from            to             
No. 3, from 4620 to 5086 (G) 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— |              |
| 10 3/4"     | 32.75           | P.E.             | S.W. | 101'   | Howco        |                     |            |     | Surface      |
| 7 5/8"      | 26.8            | 8 TP             | J-55 | 3015'  | Baker        |                     |            |     | Intermediate |
| 5 1/2"      | 19.5            | 6 RB             | J-55 | 5223'  | Baker        |                     |            |     | Prod. Cas.   |
| 2"          | 4.7             | 8 RB             | J-55 | 5104'  |              |                     |            |     | Prod. Tub.   |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 10 3/4"     | 173'      | 125                    | Circulated   |             |                    |
| 7 5/8"      | 3023'     | 250                    | Single Stage |             |                    |
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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 3023 feet, and from 3023 feet to 5235 feet  
Cable tools were used from            feet to            feet, and from            feet to            feet

DATES

May 6, 1956 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 5035 Calculated A.G.F. 13,992 MCF/D. Gallons gasoline per 1,000 cu. ft. of gas             
Rock pressure, lbs. per sq. in. 1064

EMPLOYEES

          , Driller           , Driller  
          , Driller           , Driller

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                       |
|-------|------|------------|---------------------------------------------------------------------------------|
| 0     | 1924 | 1924       | Tan to gry cr-grn ss interbedded w/gry sh.                                      |
| 1924  | 2036 | 112        | Ojo Alamo ss. White cr-grn s.                                                   |
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| 2560  | 2856 | 296        | Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss. |
| 2856  | 2990 | 132        | Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.                |
| 2990  | 4497 | 1507       | Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.              |
| 4497  | 4620 | 123        | Cliff House ss. Gry, fine-grn, dense sil ss.                                    |
| 4620  | 5086 | 466        | Menefee form. Gry, fine-grn s, carb sh & coal.                                  |
| 5086  | 5235 | 149        | Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.                 |

RECEIVED

NEW RAD OR NO TO GO

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