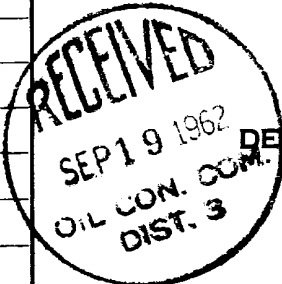
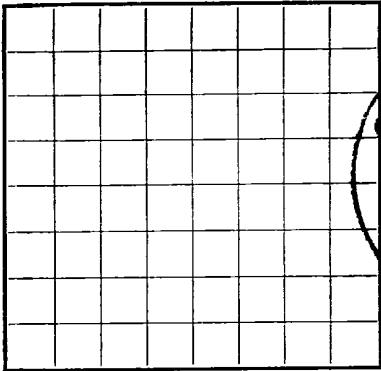


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 079519-A  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



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 990, Farmington, New Mexico  
Lessor or Tract San Juan 28-5 Unit Field Blanco Mesa Verde State New Mexico  
Well No. 55 Sec. 23 T. 28N R. 5W Meridian N.M.P.M. County Rio Arriba  
Location 1800 ft. N. of S. Line and 1040 ft. E. of W. Line of Sec. 23 Elevation 7098  
(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 \_\_\_\_\_ ORIGINAL SIGNED H.E. McANALLY

Date September 17, 1962 Title Petroleum Engineer  
The summary on this page is for the condition of the well at above date.

Commenced drilling 8-1, 1962 Finished drilling 8-14, 1962

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

No. 1, from 5701 to 5846 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 5846 to 6149 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 6149 to 6335 (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— |                     |
| <u>9 5/8"</u> | <u>32.3</u>     | <u>8 rd</u>      | <u>H-40</u> | <u>309</u>  | <u>Down</u>  |                     |            |     | <u>Surface</u>      |
| <u>7"</u>     | <u>20</u>       | <u>8 rd</u>      | <u>J-55</u> | <u>4171</u> | <u>Baker</u> |                     |            |     | <u>Intermediate</u> |
| <u>5"</u>     | <u>13</u>       | <u>8 rd</u>      | <u>J-55</u> | <u>2299</u> | <u>Baker</u> |                     |            |     | <u>Liner</u>        |
| <u>2 3/8"</u> | <u>4.7</u>      | <u>8 rd</u>      | <u>J-55</u> | <u>6319</u> | <u>Baker</u> |                     |            |     | <u>Prod. tubing</u> |

MUDDING AND CEMENTING RECORD

| Size casing   | Where set        | Number sacks of cement | Method used       | Mud gravity | Amount of mud used |
|---------------|------------------|------------------------|-------------------|-------------|--------------------|
| <u>9 5/8"</u> | <u>321</u>       | <u>200</u>             | <u>circulated</u> |             |                    |
| <u>7"</u>     | <u>4187</u>      | <u>120</u>             | <u>single</u>     |             |                    |
| <u>5"</u>     | <u>4024-6323</u> | <u>170</u>             | <u>single</u>     |             |                    |

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 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|----------|------|------------|-------------------|
| <u>Perf 5822-5828; 5840-5846; 6170-6174; 6186-6190; 6228-6232; 6274-6278; 6312-6318; Frac</u><br><u>w/73,881 gallons water (24 FR-2/1000 gal) &amp; 70,000 sand. Flush w/9450 gal. IR 37.5 BPM.</u><br><u>Max pr 3400', max 500', LR pr 1900-3200'. Dropped 3 sets of 12 balls each. Spotted 750 gal</u><br><u>15% MCA prior to frac.</u> |            |                |          |      |            |                   |
| TOOLS USED                                                                                                                                                                                                                                                                                                                                |            |                |          |      |            |                   |
| Rotary tools were used from _____ feet to <u>6393</u> feet, and from _____ feet to _____ feet                                                                                                                                                                                                                                             |            |                |          |      |            |                   |
| Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet                                                                                                                                                                                                                                                    |            |                |          |      |            |                   |

DATES

8-31, 1962 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 3,814,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 116 lbs. A.O.F. 6330 MCF/D

EMPLOYEES

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

FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET  | FORMATION                                                 |
|-------------|-------------|-------------|-----------------------------------------------------------|
| <u>0</u>    | <u>5701</u> | <u>5701</u> | <u>Tan to gry cr-grn ss interbedded w/gry sh.</u>         |
| <u>5701</u> | <u>5846</u> | <u>145</u>  | <u>Cliff House ss. Gry, fine-grn, dense sil ss.</u>       |
| <u>5846</u> | <u>6149</u> | <u>303</u>  | <u>Manatee form. Gry, fine-grn s, carb sh &amp; coal.</u> |
| <u>6149</u> | <u>6335</u> | <u>186</u>  | <u>Point Lookout form. Gry, very fine sil ss</u>          |
|             |             |             | <u>w/frequent sh breaks.</u>                              |
| <u>6335</u> | <u>6393</u> | <u>58</u>   | <u>Mancos form. Gry carb sh.</u>                          |

