

LOCATE WELL CORRECTLY

JUN 16 1958

U. S. GEOLOGICAL SURVEY  
ARMINGTON, NEW MEXICO

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

U. S. LAND OFFICE New Mexico

SERIAL NUMBER 079394

LEASE OR PERMIT TO PROSPECT -----

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract San Juan 27-5 Unit Field Blanco & Wildcat State New Mexico  
Well No. 30(PM) Sec. 21 T. 27N R. 5W Meridian N.M.P.M. County Rio Arriba  
Location 1140 ft. XXXX of N Line and 800 ft. XXXX of E Line of Section 21 Elevation 6500

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 D. C. Johnston

Date June 13, 1958 Title Petroleum Engineer

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

Commenced drilling 3-4, 1958 Finished drilling 4-7, 1958

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3350 to 3436 (G)      No. 4, from 3502 to 5638 (G)  
No. 2, from 5001 to 5128 (G)      No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 5128 to 5502 (G)      No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, 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       | 26.4            | 8 Rd.            | J-55      | 3549   | Baker        |                     |            |     | Prod. Csg.  |
| 5 1/2       | 15.5            | 8 Rd.            | J-55      | 2191   | Baker        |                     |            |     | Prod. Liner |
| 2"          | 4.7             | 8 Rd.            | J-55      | 5653   |              |                     |            |     | Prod. Tbg.  |
| 1 1/4"      | 2.4             | 8 Rd.            | Grade "A" | 3431   |              |                     |            |     | Siphon      |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 10 3/4      | 173       | 150                    | Circulated   |             |                    |
| 7 5/8       | 3561      | 150                    | Single Stage |             |                    |
| 5 1/2       | 3522-5713 | 250                    | Single Stage |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material----- Size **Baker "EGJ" Packer at 3582'**

## SHOOTING RECORD

[illegible]

## TOOLS USED

Gas Drilled

Rotary tools were used from -----175----- feet to -----3562----- feet, and from -----3562----- feet to -----5723----- feet.

Cable tools were used from 0 feet to 175 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

-----4-20-----, 19 58 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.C. 9,721,000  
M.V. 2,552,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure lbs. per sq. in. 1119 P.C. 18,441

A.C.F. = M.V. 2886 MCF/D

## EMPLOYEES

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

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

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                        |
|-------|------|------------|----------------------------------------------------------------------------------|
| 0     | 2759 | 2759       | Tan to gry cr-grn ss interbedded w/gry shale.                                    |
| 2759  | 2927 | 168        | Ojo Alamo ss. White cr-grn s.                                                    |
| 2927  | 3130 | 203        | Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.                       |
| 3130  | 3350 | 220        | Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss. |
| 3350  | 3436 | 86         | Pictured Cliffs form. Gry, fine-grn, tight, v varilcolored soft ss.              |
| 3436  | 5001 | 1565       | Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.               |
| 5001  | 5128 | 127        | Cliff House ss. Gry, fine-grn, dense sil ss.                                     |
| 5128  | 5502 | 374        | Menefee form. Gry, fine-grn s, carb sh & coal                                    |
| 5502  | 5638 | 136        | Point Lookout form. Gry, very fine sil ss w/frquent sh breaks.                   |
| 5638  | 5723 | 85         | Mancos formation. Gry carb sh.                                                   |

## FORMATION RECORD—Continued

[illegible]

### 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.

| <u>Date</u> | <u>Section</u>                                                                                                                                                                                                                                                                                             | <u>Recovery</u> |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 3-31-58     | Core #1                                                                                                                                                                                                                                                                                                    | 50'             |
|             | Core #2                                                                                                                                                                                                                                                                                                    | Rec. 32'        |
| 4-1-58      | Core #3                                                                                                                                                                                                                                                                                                    | 52'             |
| 4-2-58      | Core #4                                                                                                                                                                                                                                                                                                    | 32'             |
|             | Core #5                                                                                                                                                                                                                                                                                                    | 24'             |
|             | Core #6                                                                                                                                                                                                                                                                                                    | 25'             |
| 4-3-58      | Core #7                                                                                                                                                                                                                                                                                                    | 31'             |
|             | Core #8                                                                                                                                                                                                                                                                                                    | 10.5'           |
| 4-4-58      | Core #9                                                                                                                                                                                                                                                                                                    | 33'             |
|             | Core #10                                                                                                                                                                                                                                                                                                   | 29'             |
| 4-5-58      | Core #11                                                                                                                                                                                                                                                                                                   | 25'             |
|             | Core #12                                                                                                                                                                                                                                                                                                   | 52'             |
| 4-6-58      | Core #13                                                                                                                                                                                                                                                                                                   | 52'             |
| 4-7-58      | Core #14                                                                                                                                                                                                                                                                                                   | 45'             |
| 4-11-58     | T.D. 5723'. C.O.T.D. 5670'. Water frac. Point Lookout perf. int. 5497-5509; 5517-5539; 5553-5567; 5577-5593; 5609-5623; 5637-5657 w/56,996 gal. water and 60,000# sand. B.D.P. 1100#, max. pr. 1650#, tr. pr. 1150-1100, 1250-1600#. I.R. 82 BPM. Flush 9200 gal. Drilled 4 sets of 19 balls for 5 stages. |                 |
| 4-11-58     | B.P. @ 5150'. Water frac. Cliff House perf. int. 5001-5021; 5107-5125 w/44,100 gal. water & 40,000# sand. B.D.P. 2100#, max. pr. 2100#, tr. pr. 1350-1450-1500-1750#. I.R. 65 BPM. Flush 8700 gal. Drilled 3 sets of 18 balls for 4 stages.                                                                |                 |
| 4-12-58     | BP @ 3900'. Water frac. F. C. perf. int. 3354-3384 w/25,900 gal. water & 40,000# sand. BD pr. 2100#, max. pr. 2100#, tr. pr. 1050, 950, 1250#. I.R. 63 BPM. Flush 6700 gal. Drilled 2 sets of 10 balls for 3 stages.                                                                                       |                 |
| 4-16-58     | Set Baker Model "D" retainer at 4810'. Squeezed Cliff House perfs. w/150 sks. Neat. Final sq. pr. 2500#.                                                                                                                                                                                                   |                 |