



U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 079363  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_  
14-08-001-1051

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

	X						

### LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract San Juan 20-6 Unit Field Blanco State New Mexico  
Well No. 26 Sec. 1 T. 27N R. 6W Meridian NMPM County Bio Arriba  
Location 994 ft. (N.) of 1 Line and 1652 ft. (E.) of 1 Line of Section 1 Elevation 6210'  
(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.

Date August 4, 1955 Signed L. S. Oberly Title Petroleum Engineer

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

Commenced drilling ----- **June 7** , 19 **55**    Finished drilling ----- **June 26** , 19 **55**

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $\odot$ )

No. 1, from 3255 to 3343 (G) No. 4, from 5430 to 5602 (G)  
No. 2, from 4926 to 5037 (G) No. 5, from to  
No. 3, from 5037 to 5430 (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—	
9.5/8"	25.4 <sub>7</sub>	P. E.	S. W.	159'	Howe				Surface
7	23	S. RD	J-55	404'					20' of pipe
7	23	S. RD	J-55	4233'	Baker				1-60' Casing
2	4.7 <sub>7</sub>	S. RD	J-55	5535'					Prod. Pipe

### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 5/8	170'	125	Circulated		
7	4857'	500	Single stage		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

[illegible]

## TOOLS USED

Rotary tools were used from ----- feet to ~~4857~~ <sup>57</sup> feet, and from ~~4857~~ <sup>57</sup> feet to ~~5605~~ <sup>65</sup> feet

Cable tools were used from ----- feet to ----- feet, and from ----- feet to ----- feet

## DATES

..... July 7, ....., 19 55 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 1,191,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. ----- 1072 -----

## EMPLOYEES

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

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	713	713	Tan cr-grn ss w/thin sh breaks.
713	1660	947	Variegated sh w/thin ss breaks.
1660	2425	765	Tan to gry cr-grn ss interbedded w/gry sh.
2425	2492	67	Ojo Alamo ss. White cr-grn s.
2492	2960	468	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2960	3255	295	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3255	3345	93	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3345	4926	1578	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4926	5037	111	Cliff House ss. Gry, fine-grn, dense sil ss.
5037	5430	393	Menefee form. Gry, fine-grn s, carb sh & coal.
5430	5602	172	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5602	5665	3	Mancos formation. Gry carb sh.

**FORMATION RECORD—Continued**[illegible]

### HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

6-24-55 T.D. 5075'. Sandoil frac Cliff House interval 4857' - 5075' with 14,800 gallons #2 diesel oil with 11,200# sand. Breakdown pressure 1450 psi, maximum pressure 1500 psi, minimum pressure 1400 psi. Injection rate 6.7 bbls./min. Natural gage TSTM.

Sandhill Point Lookout June 27, 1955 T.D. 5605', from 5179' - 5605' with 10,674 gallons oil and 10,400# sand. Breakdown pressure 1800#, maximum pressure 2000#, minimum pressure 300#. Injection rate 2.9 bbls./min. Flush 300 gallons. Natural gage TSDM. Natural gage Cliff House 4 day 734 Mcf/d.

July 5, 1955, Total Depth 5605'. Cleanout depth 5575', no increase in gas from previous 2 treatments on Point Lookout. Set Howco retainer in casing @ 4780'. Treated Point Lookout, Menefee, and Cliff House sections. Interval treated 4855' - 5605'. Treatment 14,700 gallons oil and 15,000# sand. BDP 1850 psi, Treating press. 1850 psi. Injection rate 7 bbls/min. Flush 2600 gallons. Gage on both pay sections before sand/oil 404 MCF/D.

July 3, 1955. T.D. 5605', clearest T.D. 5675', set Baker ret. @ 5310'. Sandoil Point Lookout from 5310' to 5605' with 10,770 gallons oil and 9700# sand. BDP 1200 psi, maximum pressure 1150, minimum pressure 750 psi. Injection rate 10.8 bbls./min. Natural gage 49 MCF. 10 day gage on Cliff House 453 MCF for total gage of 502 MCF. Treatment broke through formation fracture around retainer and circulated to surface.

1. The purpose of this report is to provide information on the results of the study conducted by the Department of the Interior, Bureau of Land Management, in the area of the proposed project.

FOIA b 7 - D

This is a scan of a blank sheet of graph paper. The page features a uniform grid of small squares formed by thin black lines. The grid covers most of the page area, leaving margins at the top, bottom, and sides. There are no markings, text, or drawings on the paper.

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DEPARTMENT OF THE INTERIOR

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THE UNIVERSITY OF CHICAGO

$$\frac{\partial}{\partial t} \left( \frac{\partial \mathcal{L}}{\partial \dot{\mathbf{r}}_i} \right) = \frac{\partial \mathcal{L}}{\partial \mathbf{r}_i} \quad \text{for } i = 1, 2, \dots, N$$

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

$\mathcal{F}_1 = \{f_1, \dots, f_n\}$  and  $\mathcal{F}_2 = \{f_1, \dots, f_n\}$  are two families of functions.

NEW MEXICO OIL CONSERVATION COMMISSION  
INITIAL POTENTIAL TEST-DATA SHEET

FORM C-122-B

This form must be used for reporting all pitot tube tests made in the State. It is particularly important that it be used for reporting Initial Potential Tests in the San Juan Basin as prescribed by Order No. R-333 and by the New Mexico Oil Conservation Commission Manual of Tables and Procedure for Initial Potential (Pitot Tube) Tests.

POOL Blanco FORMATION Mesa Verde  
COUNTY Rio Arriba DATE WELL TESTED July 19, 1955

Operator El Paso Natural Gas Company Lease San Juan 28-6 Well No. 26  
Unit  
1/4 Section SW Letter N Sec. 1 Twp. 27N Rge. 6W  
Casing: 7 "O.D. Set At 4856 Tubing 2 "WT 4.7 Set At 5545  
Pay Zone: From 4856 to 5605 Gas Gravity: Meas. \_\_\_\_\_ Est. \_\_\_\_\_  
Tested Through: Casing X Tubing \_\_\_\_\_  
Test Nipple 2" I.D. Type of Gauge Used \_\_\_\_\_  
(Spring) (Monometer)

OBSERVED DATA

Shut In Pressure: Casing 1072 psig Tubing: 1063 psig S. I. Period 12 days  
Time Well Opened: 12:15 P.M. Time Well Gauged: 3:15 P.M.  
Impact Pressure: 7.5" Hg. Working Pressure on Tubing 57 psig  
Volume (Table I) . . . . . (a)  
Multiplier for Pipe or Casing (Table II) . . . . . (b)  
Multiplier for Flowing Temp. (Table III) . . . . . (c)  
Multiplier for SP. Gravity (Table IV) . . . . . (d)  
Ave. Barometer Pressure at Wellhead (Table V) . . . . .  
Multiplier for Barometric Pressure (Table VI) . . . . . (e)  
Initial Potential, Mcf/24 Hrs. (a) x (b) x (c) x (d) x (e) = 1191

Witnessed by: \_\_\_\_\_ Tested by: T. B. Grant  
Company: \_\_\_\_\_ Company: El Paso Natural Gas Company  
Title: \_\_\_\_\_ Title: Gas Engineer



NEW MEXICO  
OIL CONSERVATION COMMISSION

Gas Well Plat

Date May 25, 1955

El Paso Natural Gas Company San Juan 28-6 Unit

26

Operator

Lease

Well No.

Name of Producing Formation Mesa Verde Pool Blanco

No. Acres Dedicated to the Well ~~314.17~~ 320.32

Indicate land status and show ownership Federal

SECTION 1 TOWNSHIP 27N RANGE 6W

S.F. 079363	
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I hereby certify that the information given above is true and complete to the best of my knowledge.

Name D.C. Johnston  
Position Petroleum Engineer  
Representing El Paso Natural Gas Co.  
Address Box 997, Farmington, N.M.

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