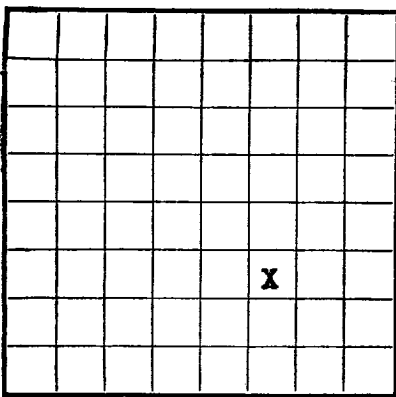


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078051**
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Mesa Verde Strat Test** Field **Blanco** State **New Mexico**
Well No. **1** Sec. **14** T. **31N** R. **11W** Meridian **N.M.P.M.** County **San Juan**
Location **1500** ft. **[N.]** of **8** Line and **1500** ft. **[W.]** of **8** Line of **Section 14** Elevation **5921** (Derriek 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 J.J. TILLERSON**

Date **February 5, 1959** Title **Petroleum Engineer**

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

Commenced drilling **12-16**, 19 **57** Finished drilling **12-29**, 19 **57**

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

No. 1, from **2567** to **2625 (G)** No. 4, from **4809** to **4920 (G)**
No. 2, from **4285** to **4380 (G)** No. 5, from _____ to _____
No. 3, from **4380** to **4809 (G)** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____
No. 5, from _____ to _____ No. 6, from _____ to _____

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	32.75	P. E.	S.W.	162'	None
7 5/8	2783	250	Single Stage		
5 1/2	5004	300	Single Stage		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	177'	150	Circulated		
7 5/8	2783	250	Single Stage		
5 1/2	5004	300	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

TOOLS USED

Rotary tools were used from **0** feet to **2780** feet, and from **2780** feet to **5011** feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

1-9, 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 **5,121,000**

Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **981**

A.O.F. = 19,368 MCF/D

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	922	922	Tan to gry cr-grn ss interbedded w/gry sh.
922	1008	86	Ojo Alamo ss. White cr-grn s.
1008	2163	1155	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2163	2567	404	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2567	2625	58	Pictured Cliffs form. Gru, fine-grn, tight, varicolored soft ss.
2625	4285	1660	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4285	4380	95	Cliff House ss. Gry, fine-grn, dense sil ss.
4380	4809	429	Mammoth form. Gry, fine-grn s, carb sh & coal.
4809	4920	111	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4920	5011	91	Mammoth formation. Gry carb sh.

U. S. Land Office

SERIAL NUMBER

PLEASE DO NOT PERMIT TO PROCEED

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Signed _____
 ORIGINAL SIGNED J. L. ILLERSON
 Location 1500 ft. of 2 line and 500 ft. W. of E. line of Section 14 Elevation 5221
 Well No. 1 Sec. 14 T. 31N. R. 11W. Meridian N.M.L.M. County San Juan
 Lessor or Tract Mess Verde Strat Test Field Blanco State New Mexico
 Company El Paso Natural Gas Company Address Box 927, Farmington, New Mexico

Completed drilling 12-16 19 57 Finished drilling 12-29 1957
The summary on this page is for the condition of the well at above date.
Date February 7, 1959 Title Petroleum Engineer

ON OR GAS SANDS OR ZONES

(D) $\frac{1}{2}$ and $\frac{1}{3}$

No. 1, from	to	5252	(g) 2525	No. 4, from	to	1500	(g) 0501
No. 2, from	to	1585	(g) 0830	No. 5, from	to		
No. 3, from	to	1381	(g) 0081	No. 6, from	to		

IMPORTANT WATER SANDS

No. 1, from
 each. Pressure increased slowly from 1500 psi to 1700 psi
 No. 2, from
 max. pr. 1800 psi, and, pr. 1600 psi dropped 13 psi and, no pr.
 4935-4960 (2 spots/lt.) 96,000 gals. water, 100,000 sand, no pr.
 4910-4901 436 4381 4808 4841 4858 4862 4874 4895 4904 4924
 4910-4901 436 4381 4808 4841 4858 4862 4874 4895 4904 4924

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 the results. If there were any changes made in the casing, state fully, and if any casing was added, drilled or left in the well, state size and location. If the well has been dynamited, give date, size, position, and number. If plugs or liners were put in the well, state size of material used, position, and results of pumping or burning.	Distance	To—	From—
0 3/4 35.72	F. E.		
2. W.			
105'	Howco		

~~HISTORY OF OIL OR GAS WELL~~

3	#7	8 Rd.	7-22	4003	U. S. GOVERNMENT PRINTING OFFICE	16-3094-2	HISTORY OF OIL OR GAS WELL
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MURDERING AND CEMENTING RECORD

Casing size	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
0 3/4"	177'	120	Circulated		
1 7/8"	273'	250	Stage stage		
2 1/8"	500'	300	Stage stage		

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth set
Heaving plug—Material			

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	2780	feet, and from	2780	feet to	2017	feet
Cable tools were used from		feet to		feet, and from		feet to		feet

DATE: _____

The production for the first 24 hours was	1-2	10-28	Put to producing	10-28
barrels of fluid of which				
was oil:				

emulsion; and	% water; and	% sediment.	Gravity, °Bé.
.....			

Rock pressure, lbs. per sq. in.	281	A.O.F. = 12,368 MW/D	It gas well, cu. ft. per 24 hours	2,151,000
				Gallons gasoline per 1,000 cu. ft. of gas

EMPLOYEES

Driller	Driller		
Driller	Driller		

FORMATION RECORD

FORMATION	TOTAL FEET	TO-	FROM-
Mancoes formation. Gty carb sh.	91	2011	4250
w/ frequent sh breaks.			
Point Lookout form. Gty, very fine all ss	111	4250	4809
Meneise form. Gty, fine-grn s, carb sh &	429	4809	4380
Cliff House ss. Gty, fine-grn, dense all	92	4380	4282
w/ shaly to shaly ss breaks.			
Lewis formation. Gty to white dense sh	1660	4282	2622
varicolored soft ss.			
Fractured cliffs form. Gty, fine-grn, tgh	28	2622	2261
coals and gty, tight, fine-grn ss.			
Fruitland form. Gty carb sh, scattered co	404	2261	2163
Gty fine-grn ss.			
Kirtland form. Gty sh interbedded w/ light	1122	2163	1008
Ojo Alamo ss. White cr-grn s.	86	1008	222
Tan to gty cr-grn ss interbedded w/ gty sh	222	222	0