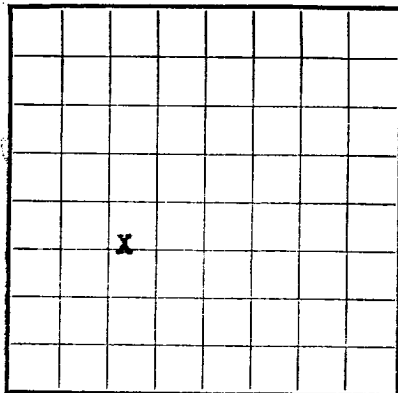
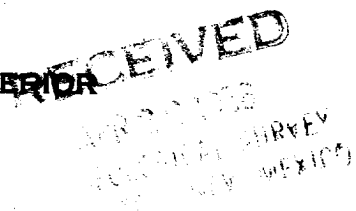




UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Stewart** Field **Blanco** State **New Mexico**
Well No. **4** **28** **30N** **10W** Meridian **NMPM** County **San Juan**
Location **1485** ft. **N** of **S** Line and **1460** ft. **E** of **W** Line of **Section 28** Elevation **6227**
(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 **April 20, 1956** Signed **Ernest Melcher** Title **Petroleum Engineer**

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

Commenced drilling **February 27**, 19**56** Finished drilling **March 11**, 19**56**

OIL OR GAS SANDS OR ZONES

No. 1, from **2690** to **2778 (G)** No. 4, from **4930** to **5083 (G)**
No. 2, from **4388** to **4476 (G)** No. 5, from _____ to _____
No. 3, from **4476** to **4930 (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	8.1	A.W.	163'	Blanco				Surface
7"	20.1	8.1	J-55	2835'	Blanco				Intermediate
5 1/2"	13.2	8.1	J-55	2143'	Blanco				Production
2 1/2"	6.2	8.1	J-55	1066'	Blanco				Production
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	177'	125	Circulated		
7"	2845'	250	Single Stage		
5 1/2"	5158'	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
		See Well History.				

TOOLS USED

Rotary tools were used from **0** feet to **2048** feet, and from **2848** feet to **5158** feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 20, 19**56** 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 **4,594,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1066**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	375	375	Tan cr-grn ss w/thin sh breaks.
375	510	135	Variegated sh w/thin ss breaks.
510	1382	872	Tan to gry cr-grn ss interbedded w/gry sh.
1382	1515	133	Ojo Alamo ss. White cr-grn s.
1515	2390	875	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2390	2690	300	Kirtland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2690	2778	88	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2778	4388	1610	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4388	4476	88	Cliff House ss. Gry, fine-grn, dense sil ss.
4476	4930	454	Menefee form. Gry, fine-grn s, carb sh & coal.
4930	5083	153	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5083	5158	75	Mancos formation. Gry carb sh.

UNITED STATES
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GEOLOGICAL SURVEY

[illegible]

LOG OF OIL OR GAS WELL

LOCATE ME) CORRECTLY

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 Frank J. [Signature]

Location 1/2 Sec 18, T. 12 N., R. 17 W., of Range 17 W.,
Well No. 12, T. 12 N., R. 17 W.,
Section or Tract 1/2 Sec 18,
County Franklin, State Ill.
Address Franklin, Ill.

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

Commenced drilling _____ 19____

Finished drilling _____ 19____

Date _____

Title _____

OIL OR GAS SANDS OR ZONES

(7) $\text{vd} \rightarrow \text{st} \rightarrow \text{or}$

3-11-56 Monettee T.D. 51501. R.B.T.D. 4850. Perforated 4716-4736, 4000-4814, treated with 53,970 gallons water and 48,800^{lb} sand. RDP 2100^{psi}, maximum pressure 2200^{psi}, Average treating pressure 8100^{psi}. Injection rate 44.6 bbls./min. Flush 4850 gallons. Natural gas 605 MCF/D.

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. 3-24-56 Point Lookout E.B. 51507. P.W. INTERV. 4952-4976, 5013-5022, 5030-5040, 5064-5073. Fractured with 78 1/2 gallon water and 63,000# sand. The 19907, maximum pressure 3500', treating pressure 2550', injection rate 39.9 bbls./min. Pump none, no change RECORD

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-53094-2

MURDERING AND CEMENTING RECORD

Year	Number of cases reported	Number of deaths	Number of persons hospitalized	Number of persons treated	Number of persons vaccinated
1950	1,000	100	1,000	1,000	1,000
1951	1,000	100	1,000	1,000	1,000
1952	1,000	100	1,000	1,000	1,000
1953	1,000	100	1,000	1,000	1,000
1954	1,000	100	1,000	1,000	1,000
1955	1,000	100	1,000	1,000	1,000
1956	1,000	100	1,000	1,000	1,000
1957	1,000	100	1,000	1,000	1,000
1958	1,000	100	1,000	1,000	1,000
1959	1,000	100	1,000	1,000	1,000
1960	1,000	100	1,000	1,000	1,000
1961	1,000	100	1,000	1,000	1,000
1962	1,000	100	1,000	1,000	1,000
1963	1,000	100	1,000	1,000	1,000
1964	1,000	100	1,000	1,000	1,000
1965	1,000	100	1,000	1,000	1,000
1966	1,000	100	1,000	1,000	1,000
1967	1,000	100	1,000	1,000	1,000
1968	1,000	100	1,000	1,000	1,000
1969	1,000	100	1,000	1,000	1,000
1970	1,000	100	1,000	1,000	1,000
1971	1,000	100	1,000	1,000	1,000
1972	1,000	100	1,000	1,000	1,000
1973	1,000	100	1,000	1,000	1,000
1974	1,000	100	1,000	1,000	1,000
1975	1,000	100	1,000	1,000	1,000
1976	1,000	100	1,000	1,000	1,000
1977	1,000	100	1,000	1,000	1,000
1978	1,000	100	1,000	1,000	1,000
1979	1,000	100	1,000	1,000	1,000
1980	1,000	100	1,000	1,000	1,000
1981	1,000	100	1,000	1,000	1,000
1982	1,000	100	1,000	1,000	1,000
1983	1,000	100	1,000	1,000	1,000
1984	1,000	100	1,000	1,000	1,000
1985	1,000	100	1,000	1,000	1,000
1986	1,000	100	1,000	1,000	1,000
1987	1,000	100	1,000	1,000	1,000
1988	1,000	100	1,000	1,000	1,000
1989	1,000	100	1,000	1,000	1,000
1990	1,000	100	1,000	1,000	1,000
1991	1,000	100	1,000	1,000	1,000
1992	1,000	100	1,000	1,000	1,000
1993	1,000	100	1,000	1,000	1,000
1994	1,000	100	1,000	1,000	1,000
1995	1,000	100	1,000	1,000	1,000
1996	1,000	100	1,000	1,000	1,000
1997	1,000	100	1,000	1,000	1,000
1998	1,000	100	1,000	1,000	1,000
1999	1,000	100	1,000	1,000	1,000
2000	1,000	100	1,000	1,000	1,000
2001	1,000	100	1,000	1,000	1,000
2002	1,000	100	1,000	1,000	1,000
2003	1,000	100	1,000	1,000	1,000
2004	1,000	100	1,000	1,000	1,000
2005	1,000	100	1,000	1,000	1,000
2006	1,000	100	1,000	1,000	1,000
2007	1,000	100	1,000	1,000	1,000

PLUGS AND ADAPTORS

SHOOTING RECORD		SHOOTING RECORD	
Side	Length	Side	Length
Left	1.00	Left	1.00
Right	1.00	Right	1.00

SHOOTING RECORD

Time	Food used	Amount used	Quantity	Date	Spoken for	Month cleaned out

DEBU 21007

Foot	to foot	Foot	to foot	Foot	to foot
Foot	to foot	Foot	to foot	Foot	to foot

SETAD

11 gas well, cu. ft. per 24 hours	2505 mcf (3 m)	Galions gasoline per 1,000 cu. ft. of gas
transmission; and % sediment		Gravity, °Ba
The production for the first 24 hours was		barrels of fluid of which % was oil; %
Put to producing		10

EMPLOYEES

Driller			
Driller			

INFORMATION RECORD

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