

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 77416
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 997, Farmington, New Mexico
 Lessor or Tract Hardie Field Blanco State New Mexico
 Well No. 2-4 Sec. 24 T. 29N R. 3W Meridian NMSPM County San Juan
 Location 990 ft. [N.] of 990 Line and 990 ft. [E.] of W Line of Section 24 Elevation 636
 [S.] [W.] (Derrick floor relative to 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 W. H. W. W. W.

Date January 11, 1955 Title Petroleum Engineer
The summary on this page is for the condition of the well at above date.

Commenced drilling -----; 1953 Finished drilling -----, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from	3005	to	3055 (G)	No. 4, from	5134	to	5347 (G)
No. 2, from	4642	to	4796 (G)	No. 5, from		to	
No. 3, from	5136	to	5184 (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	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
9 5/8	25.4	3 RD	Armaco	161'	Armaco Baker				Surface Prod. Co.
7	23	3 RD	J-55	2330'					
7	23	3 RD	J-55	2330'					
5	16.0	3 RD	J-55	1840'					
2	4.7	3 RD	Youngs	100'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	173	125	Circulated		
7	4603	50	Single Stage		

JAN 17 1955

OIL CON. COM.

DIST. 3

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
ST.	Reg.	C. No.	1950	10-27-53	4 47-5347	5347

TOOLS USED

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

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

DATES

November 21, 1954 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 hours1,948,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. ----- 731 -----

EMPLOYEES

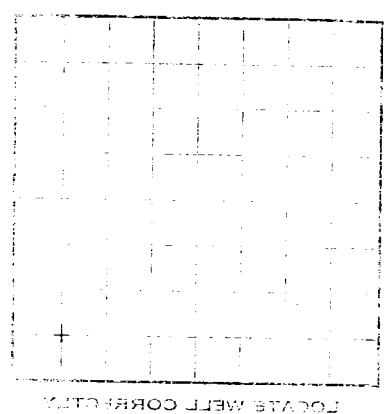
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	410	410	Tan cr-grn ss w/thin sh breaks.
410	915	505	Variegated sh w/thin ss breaks.
915	1967	1052	Tan to gry cr-grn ss interbedded w/gry sh.
1967	2158	191	Jo Alamo ss. White cr-grn s. Top 1967'.
2158	2687	529	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss. Top 2158'.
2687	3005	318	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss. Top 2687'.
3005	3055	50	Pictured Cliffs form. Gry, fine-grn, tight, varicolored s ft ss. Top 3005'.
3055	4642	1587	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks. Top 3055'.
4642	4796	154	Cliff House ss. Gry, fine-grn, dense sil ss. Top 4642'.
4796	5184	388	Henefee form. Gry, fine-grn s, carb sh and coal. Top 4796'.
5184	5347	163	Point Lookout form. Gry, very fine sil ss w/ frequent sh breaks. Top 5184'.

LOG OF OIL OR GAS WELL

UNITED STATES
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Company _____
Lessor or Trust _____
Well No. _____
Location _____
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Signed _____
Date _____

OIL OR GAS SAMPLES OR TESTS

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____
No. 5 from _____ to _____
No. 6 from _____ to _____
No. 7 from _____ to _____
No. 8 from _____ to _____
No. 9 from _____ to _____
No. 10 from _____ to _____

CASING RECORD

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.

HISTORY OF OIL OR GAS WELL

DATE	DESCRIPTION	TO	FROM
1900	Drilled to 100 feet	100	0
1901	Drilled to 200 feet	200	100
1902	Drilled to 300 feet	300	200
1903	Drilled to 400 feet	400	300
1904	Drilled to 500 feet	500	400
1905	Drilled to 600 feet	600	500
1906	Drilled to 700 feet	700	600
1907	Drilled to 800 feet	800	700
1908	Drilled to 900 feet	900	800
1909	Drilled to 1000 feet	1000	900
1910	Drilled to 1100 feet	1100	1000
1911	Drilled to 1200 feet	1200	1100
1912	Drilled to 1300 feet	1300	1200
1913	Drilled to 1400 feet	1400	1300
1914	Drilled to 1500 feet	1500	1400
1915	Drilled to 1600 feet	1600	1500
1916	Drilled to 1700 feet	1700	1600
1917	Drilled to 1800 feet	1800	1700
1918	Drilled to 1900 feet	1900	1800
1919	Drilled to 2000 feet	2000	1900
1920	Drilled to 2100 feet	2100	2000
1921	Drilled to 2200 feet	2200	2100
1922	Drilled to 2300 feet	2300	2200
1923	Drilled to 2400 feet	2400	2300
1924	Drilled to 2500 feet	2500	2400
1925	Drilled to 2600 feet	2600	2500
1926	Drilled to 2700 feet	2700	2600
1927	Drilled to 2800 feet	2800	2700
1928	Drilled to 2900 feet	2900	2800
1929	Drilled to 3000 feet	3000	2900
1930	Drilled to 3100 feet	3100	3000
1931	Drilled to 3200 feet	3200	3100
1932	Drilled to 3300 feet	3300	3200
1933	Drilled to 3400 feet	3400	3300
1934	Drilled to 3500 feet	3500	3400
1935	Drilled to 3600 feet	3600	3500
1936	Drilled to 3700 feet	3700	3600
1937	Drilled to 3800 feet	3800	3700
1938	Drilled to 3900 feet	3900	3800
1939	Drilled to 4000 feet	4000	3900
1940	Drilled to 4100 feet	4100	4000
1941	Drilled to 4200 feet	4200	4100
1942	Drilled to 4300 feet	4300	4200
1943	Drilled to 4400 feet	4400	4300
1944	Drilled to 4500 feet	4500	4400
1945	Drilled to 4600 feet	4600	4500
1946	Drilled to 4700 feet	4700	4600
1947	Drilled to 4800 feet	4800	4700
1948	Drilled to 4900 feet	4900	4800
1949	Drilled to 5000 feet	5000	4900
1950	Drilled to 5100 feet	5100	5000
1951	Drilled to 5200 feet	5200	5100
1952	Drilled to 5300 feet	5300	5200
1953	Drilled to 5400 feet	5400	5300
1954	Drilled to 5500 feet	5500	5400
1955	Drilled to 5600 feet	5600	5500
1956	Drilled to 5700 feet	5700	5600
1957	Drilled to 5800 feet	5800	5700
1958	Drilled to 5900 feet	5900	5800
1959	Drilled to 6000 feet	6000	5900
1960	Drilled to 6100 feet	6100	6000
1961	Drilled to 6200 feet	6200	6100
1962	Drilled to 6300 feet	6300	6200
1963	Drilled to 6400 feet	6400	6300
1964	Drilled to 6500 feet	6500	6400
1965	Drilled to 6600 feet	6600	6500
1966	Drilled to 6700 feet	6700	6600
1967	Drilled to 6800 feet	6800	6700
1968	Drilled to 6900 feet	6900	6800
1969	Drilled to 7000 feet	7000	6900
1970	Drilled to 7100 feet	7100	7000
1971	Drilled to 7200 feet	7200	7100
1972	Drilled to 7300 feet	7300	7200
1973	Drilled to 7400 feet	7400	7300
1974	Drilled to 7500 feet	7500	7400
1975	Drilled to 7600 feet	7600	7500
1976	Drilled to 7700 feet	7700	7600
1977	Drilled to 7800 feet	7800	7700
1978	Drilled to 7900 feet	7900	7800
1979	Drilled to 8000 feet	8000	7900
1980	Drilled to 8100 feet	8100	8000
1981	Drilled to 8200 feet	8200	8100
1982	Drilled to 8300 feet	8300	8200
1983	Drilled to 8400 feet	8400	8300
1984	Drilled to 8500 feet	8500	8400
1985	Drilled to 8600 feet	8600	8500
1986	Drilled to 8700 feet	8700	8600
1987	Drilled to 8800 feet	8800	8700
1988	Drilled to 8900 feet	8900	8800
1989	Drilled to 9000 feet	9000	8900
1990	Drilled to 9100 feet	9100	9000
1991	Drilled to 9200 feet	9200	9100
1992	Drilled to 9300 feet	9300	9200
1993	Drilled to 9400 feet	9400	9300
1994	Drilled to 9500 feet	9500	9400
1995	Drilled to 9600 feet	9600	9500
1996	Drilled to 9700 feet	9700	9600
1997	Drilled to 9800 feet	9800	9700
1998	Drilled to 9900 feet	9900	9800
1999	Drilled to 10000 feet	10000	9900