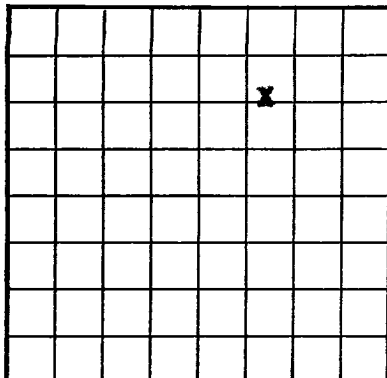
U. S. LAND OFFICE **Santa Fe**
070305-A

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
APR 10 1952
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Nowell** Field **Alamosa-La Plata** State **New Mexico**
Well No. **1650** Sec. **34** T. **30N** R. **3W** Meridian **N. M. P. M.** County **San Juan**
Location **1650** ft. {N.} of **1650** ft. {E.} of **Section 34** Line of **6147** Elevation
(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 **March 31, 1952** Signed **ORIGINAL SIGNED E. J. COEL**
Title **Petroleum Engineer**

The summary on this page is for the condition of the well at above date.
Commenced drilling **November 29**, 19**51** Finished drilling **January 31**, 19**52**

OIL OR GAS SANDS OR ZONES

No. 1, from **2906** to **2940 (G)** (Denote gas by G) **5120** **5035 (G)**
No. 2, from **4612** to **4792 (G)**
No. 3, from **4792** to **5120 (G)**
No. 4, from _____ to _____
No. 5, from _____ to _____
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	36	8	Metl.	276	Ballb.				Surface
7	20	8	Metl.	4498	Ballb.				Production
2	4.7	8		5087					Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	290	150	Single		
7	4510	300	Single		

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
Qts.	Reg.	S.H.G.	1305	1-20	4609-5039	5039 - Directional Hole
Qts.	Reg.	S.H.G.	1575	2-1	4630-5080	5080 - Vertical Hole

TOOLS USED

Rotary tools were used from **0** feet to **4510** feet, and from **4510** feet to **5080** feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 26, 19**52** 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. **7,500,000**

If gas well, cu. ft. per 24 hours **1062 psig** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Richmond, Driller **Nickman**, Driller
Ballers, Driller **Jackson**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	580	580	Thin coarse-grained sandstone w/ thin shale breaks. Variegated shales w/ thin sandstone breaks.
580	1180	660	Thin to gray coarse-grained sandstone interbedded w/ gray shales.
1180	1880	700	Ojo Alamo Sandstone. White coarse-grained sand. T/Ojo Alamo 1880.
1880	1982	102	Kirtland Formation. Gray shale interbedded w/ tight gray fine-grained sandstone. T/Kirtland 1982.
1982	2623	641	Fruitland Formation. Gray carb. shales, scattered coals & gray, tight fine-grained sandstone. T/Fruitland 2623.
2623	2906	283	Pictured Cliffs Formation. Gray, fine-grained, tight, varicolored soft sandstone. T/Pictured Cliffs 2906.
2906	2940	34	Lewis Formation. Gray to white dense shale w/ silty to shaly sandstone breaks. T/Lewis 2940.
2940	4612	1672	Cliff House Sandstone. Gray, fine-grained, dense siliceous sandstone. T/Cliff House 4612.
4612	4792	180	Mudstone Formation. Gray, fine-grained sand, carb. shales & coal. T/Mudstone 4792.
4792	5120	328	Point Lookout Formation. Gray, very fine sil. sandstone w/ frequent shale breaks. T/Point Lookout 5120.
5120	5035 T.D.	115	

LOG OF OIL OR GAS WELL

NAME OF WELL _____

LOCATION _____

DATE _____

BY _____

ORIGINAL SIGNED E. J. COFF

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. If the well has been abandoned, state the date and reason therefor.

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

FROM	TO	TOTAL FEET	FORMATION
0	100	100	Shale
100	200	200	Shale
200	300	300	Shale
300	400	400	Shale
400	500	500	Shale
500	600	600	Shale
600	700	700	Shale
700	800	800	Shale
800	900	900	Shale
900	1000	1000	Shale
1000	1100	1100	Shale
1100	1200	1200	Shale
1200	1300	1300	Shale
1300	1400	1400	Shale
1400	1500	1500	Shale
1500	1600	1600	Shale
1600	1700	1700	Shale
1700	1800	1800	Shale
1800	1900	1900	Shale
1900	2000	2000	Shale
2000	2100	2100	Shale
2100	2200	2200	Shale
2200	2300	2300	Shale
2300	2400	2400	Shale
2400	2500	2500	Shale
2500	2600	2600	Shale
2600	2700	2700	Shale
2700	2800	2800	Shale
2800	2900	2900	Shale
2900	3000	3000	Shale
3000	3100	3100	Shale
3100	3200	3200	Shale
3200	3300	3300	Shale
3300	3400	3400	Shale
3400	3500	3500	Shale
3500	3600	3600	Shale
3600	3700	3700	Shale
3700	3800	3800	Shale
3800	3900	3900	Shale
3900	4000	4000	Shale
4000	4100	4100	Shale
4100	4200	4200	Shale
4200	4300	4300	Shale
4300	4400	4400	Shale
4400	4500	4500	Shale
4500	4600	4600	Shale
4600	4700	4700	Shale
4700	4800	4800	Shale
4800	4900	4900	Shale
4900	5000	5000	Shale
5000	5100	5100	Shale
5100	5200	5200	Shale
5200	5300	5300	Shale
5300	5400	5400	Shale
5400	5500	5500	Shale
5500	5600	5600	Shale
5600	5700	5700	Shale
5700	5800	5800	Shale
5800	5900	5900	Shale
5900	6000	6000	Shale
6000	6100	6100	Shale
6100	6200	6200	Shale
6200	6300	6300	Shale
6300	6400	6400	Shale
6400	6500	6500	Shale
6500	6600	6600	Shale
6600	6700	6700	Shale
6700	6800	6800	Shale
6800	6900	6900	Shale
6900	7000	7000	Shale
7000	7100	7100	Shale
7100	7200	7200	Shale
7200	7300	7300	Shale
7300	7400	7400	Shale
7400	7500	7500	Shale
7500	7600	7600	Shale
7600	7700	7700	Shale
7700	7800	7800	Shale
7800	7900	7900	Shale
7900	8000	8000	Shale
8000	8100	8100	Shale
8100	8200	8200	Shale
8200	8300	8300	Shale
8300	8400	8400	Shale
8400	8500	8500	Shale
8500	8600	8600	Shale
8600	8700	8700	Shale
8700	8800	8800	Shale
8800	8900	8900	Shale
8900	9000	9000	Shale
9000	9100	9100	Shale
9100	9200	9200	Shale
9200	9300	9300	Shale
9300	9400	9400	Shale
9400	9500	9500	Shale
9500	9600	9600	Shale
9600	9700	9700	Shale
9700	9800	9800	Shale
9800	9900	9900	Shale
9900	10000	10000	Shale