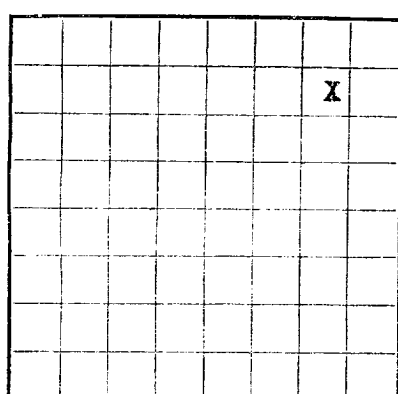


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078502
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address P.O. Box 997, Farmington, New Mexico
 Lessor or Tract Vanderwart Field Blanco State New Mexico
 Well No. 1-A Sec. 11 T. 29N R. 8W Meridian N. M. P. M. County San Juan
 Location 990 ft. NE of N Line and 990 ft. NE of E Line of Section 11 Elevation 4300

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 _____

Date ~~February 26~~ 1953

Title Petroleum Engineer

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

Commenced drilling ----- ~~December 28~~ 19 ~~52~~ Finished drilling ----- ~~February 4~~, 19 ~~52~~

OIL OR GAS SANDS OR ZONES

(Denote gas by $\odot$)

No. 1, from 3074 to 3115 (G) No. 4, from 5310 to 5407 (G)
 No. 2, from 4683 to 4842 (G) No. 5, from _____ to _____
 No. 3, from 4842 to 5310 (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 casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Referenced		Purpose
							From	To	
9-5/8	25.4	8	S. T.	162	HOMO				Surface
7	23	8	S-55	162	HOMO				Shod. Cag.
2"	4.7	8	Youngst.	51.20	HISTOBY				Prod. For

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	172'	125	Circulated		
7"	4658'	300	Sing. 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
Quart	Regular	S. N. G.	1455	2-4-53	4671-5481	5481'

TOOLS USED

Rotary tools were used from 0 feet to 4658 feet, and from ~~Gas Drill-in~~ 4658 feet to 5481 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 6, 1953 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 3,270,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1078

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	950	950	Tan cr-grn ss w/thin sh breaks.
950	1182	232	Variegated sh w/thin ss breaks.
1182	1998	816	Tan to gry cr-grn ss interbedded w/gry sh.
1998	2165	167	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1998.
2165	2756	591	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2165.
2756	3074	318	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland formation 2756.
3074	3145	71	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 3074.
3145	4683	1538	Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 3145.
4683	4842	159	Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 4683.
4842	5310	468	Menefee formation. Gry, fine-grn s, carb shales and coal. Top Menefee 4842.
5310	5407	97	Point Lookout formation. Gry, v fine sil ss w/ frequent sh breaks. Top Point Lookout 5310.
5407	5481	74	Mancos formation. Gry carb sh. Top Mancos 5407.

CLASS OF INHERIT TO PROSPERITY
 NATIONAL ZIMBABWE
 1980-1981

LOG OF OIL OR GAS WELL

LOCATE WELL TO BRIDGE

[illegible]

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

Date: 10/10/1913

Title: The condition of the well at above date.

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Oil of the One Hand of the

(9) *val ann 24, 041*

No. 1 from 1000 to 1001
 No. 2 from 1002 to 1003
 No. 3 from 1004 to 1005
 No. 4 from 1006 to 1007
 No. 5 from 1008 to 1009
 No. 6 from 1010 to 1011

IMPERIUM WATER SANDS

03	mon 8.52	04	mon 1.57
05	mon 4.55	06	mon 2.52

CARTRIDGE RECORD

Serial Number	Date	Place	Remarks	Amount of Cash	Amount of Goods	Purpose
1	1942	...	...	...	...	...

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of running, 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 pulling.

HISTORY OF OIL OR GAS WELL

14-00000

[illegible]

SECRET AND UNCLASSIFIED

[illegible]

3-FOURTH RECORD

Year	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

TOOL FEED

[illegible]

25 TAG

[illegible]

POSTAL NAME

1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319
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FORMAL RECORD

[illegible]