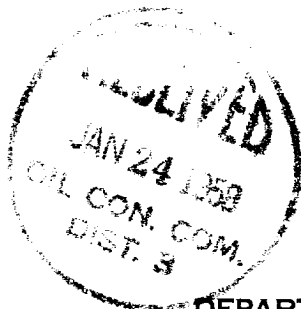




U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078197
LEASE OR PERMIT TO PROSPECT _____

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 0997, Farmington, New Mexico
Lessor or Tract Feuille Field Aztec P. C. State New Mexico
Well No. 2-A Sec. 17 T. 29N R. 10W Meridian N.M.P.M. County San Juan
Location 1090 ft. NOX S. of N Line and 1650 ft. NOX W. of E Line of Sec. 17 Elevation 5711
(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.

Signed _____ Original Signed F. H. WOOD

Date January 21, 1958 Title Petroleum Engineer

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

Commenced drilling 10-26, 19 57 Finished drilling 11-22, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2043 to 2121(6) No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, 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 _____

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8"	24	8 Rd	J-55	117'	Howco				Surface
5 1/2"	15.0	8 Rd	J-55	244'	Howco				Surface
1 1/4"	2.4	8 Rd.	Grade "A"	2097'					Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	199	150	Circulated		
5 1/2"	215	250	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 130 feet to 2157 feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 130 feet, and from _____ feet to _____ feet

DATES

-----~~12-10~~-----, 19--~~57~~-----

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 4,326,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----- **637** **SIPC** **A.O.F. = 5992 MCF/D**

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	845	845	Tan to gry cr-grn ss interbedded w/gry sh.
845	945	100	Ojo Alamo ss. White cr-grn s.
945	1687	742	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1687	2043	356	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2043	2121	78	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2121	2157	36	Lewis formation. Gry to white dense sh w/silt to shaly ss breaks.

CLASS OF PERMIT TO PROCEED _____
SERIAL NUMBER _____
U.S. LAND OFFICE _____
DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BIOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 _____

Section _____ of _____ Township _____ Range _____ of _____ Line of _____ Sec. _____ Elevation _____

Well No. _____ Sec. _____ T. _____ R. _____ S. _____
Location of _____
Owner of _____
Lessor of _____
Company, the _____ Gas Company
Address _____
Box _____
City _____ State _____
County _____
Field _____
Approx. _____
State _____
County _____
City _____

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

UNIT OF THE BUREAU OF THE ARMY

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to from No. 6. (b) 245 245

to from No. 6. 245 245

to from No. 6. 245 245

IMPROVED WATER SUPPLY

12-9-57
W. D. 2155. C.O.F.D. 2150. Water trac. E. C. det. Int. 2044-2060;
2065-2076; 2080-2096; 4/45 1500 gal. water and 90,000# sand,
flush w/3850 gal. water. HD 1/45 3050 psi, max. pr. 3050 psi,
tr. pr. 1500, 1550, 1900 psi. Dropped 1 set of 20 balls for
2 stages. Mixed 2% calcium chloride w/trac. water.

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 "sacked" or left in the well, give 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 balling.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDGING AND CEMENTING RECORD

[illegible]

STUDIOS TO ADAPTERS

[illegible]

SHOOTING RECORD

Time	Location used	Equipment used	Quantity	Date	Depth used	Depth observed

STOOD 2 USED

test	to test	from test	test	to test	from test
test	to test	from test	test	to test	from test

DATE:

[illegible]

EMPLOYEES

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	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358</
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FORMATION RECORD

FORM	NO.	TOTAL LBS.	DESCRIPTION
1	100	100	100 lbs. of white sugar
2	50	50	50 lbs. of white sugar
3	25	25	25 lbs. of white sugar
4	12.5	12.5	12.5 lbs. of white sugar
5	6.25	6.25	6.25 lbs. of white sugar
6	3.125	3.125	3.125 lbs. of white sugar
7	1.5625	1.5625	1.5625 lbs. of white sugar
8	0.78125	0.78125	0.78125 lbs. of white sugar
9	0.390625	0.390625	0.390625 lbs. of white sugar
10	0.1953125	0.1953125	0.1953125 lbs. of white sugar
11	0.09765625	0.09765625	0.09765625 lbs. of white sugar
12	0.048828125	0.048828125	0.048828125 lbs. of white sugar
13	0.0244140625	0.0244140625	0.0244140625 lbs. of white sugar
14	0.01220703125	0.01220703125	0.01220703125 lbs. of white sugar
15	0.006103515625	0.006103515625	0.006103515625 lbs. of white sugar
16	0.0030517578125	0.0030517578125	0.0030517578125 lbs. of white sugar
17	0.00152587890625	0.00152587890625	0.00152587890625 lbs. of white sugar
18	0.000762939453125	0.000762939453125	0.000762939453125 lbs. of white sugar
19	0.0003814697265625	0.0003814697265625	0.0003814697265625 lbs. of white sugar
20	0.00019073486328125	0.00019073486328125	0.00019073486328125 lbs. of white sugar
21	0.000095367431640625	0.000095367431640625	0.000095367431640625 lbs. of white sugar
22	0.0000476837158203125	0.0000476837158203125	0.0000476837158203125 lbs. of white sugar
23	0.00002384185791015625	0.00002384185791015625	0.00002384185791015625 lbs. of white sugar
24	0.000011920928955078125	0.000011920928955078125	0.000011920928955078125 lbs. of white sugar
25	0.0000059604644775390625	0.0000059604644775390625	0.0000059604644775390625 lbs. of white sugar
26	0.00000298023223876953125	0.00000298023223876953125	0.00000298023223876953125 lbs. of white sugar
27	0.000001490116119384765625	0.000001490116119384765625	0.000001490116119384765625 lbs. of white sugar
28	0.0000007450580596923828125	0.0000007450580596923828125	0.0000007450580596923828125 lbs. of white sugar
29	0.00000037252902984619140625	0.00000037252902984619140625	0.00000037252902984619140625 lbs. of white sugar
30	0.000000186264514923095703125	0.000000186264514923095703125	0.000000186264514923095703125 lbs. of white sugar
31	0.0000000931322574615478515625	0.0000000931322574615478515625	0.0000000931322574615478515625 lbs. of white sugar
32	0.00000004656612873077392578125	0.00000004656612873077392578125	0.00000004656612873077392578125 lbs. of white sugar
33	0.000000023283064365386962890625	0.000000023283064365386962890625	0.000000023283064365386962890625 lbs. of white sugar
34	0.0000000116415321826934814453125	0.0000000116415321826934814453125	0.0000000116415321826934814453125 lbs. of white sugar
35	0.00000000582076609134674072265625	0.00000000582076609134674072265625	0.00000000582076609134674072265625 lbs. of white sugar
36	0.000000002910383045673370361328125	0.000000002910383045673370361328125	0.000000002910383045673370361328125 lbs. of white sugar
37	0.0000000014551915228366851806640625	0.0000000014551915228366851806640625	0.0000000014551915228366851806640625 lbs. of white sugar
38	0.00000000072759576141834259033203125	0.00000000072759576141834259033203125	0.00000000072759576141834259033203125 lbs. of white sugar
39	0.000000000363797880709171295166015625	0.000000000363797880709171295166015625	0.000000000363797880709171295166015625 lbs. of white sugar
40	0.0000000001818989403545856475830078125	0.0000000001818989403545856475830078125	0.0000000001818989403545856475830078125 lbs. of white sugar
41	0.00000000009094947017729282379150390625	0.00000000009094947017729282379150390625	0.00000000009094947017729282379150390625 lbs. of white sugar
42	0.0000		