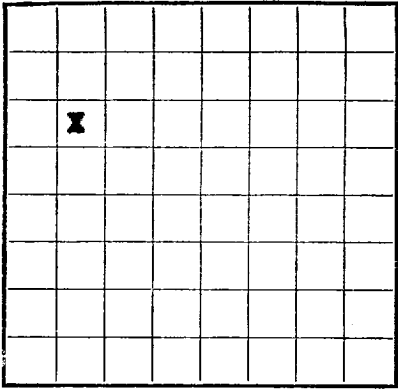




U. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **Cont. No. 109 P.C.**
LEASE OR PERMIT TO PROSPECT _____

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 990, Farmington, New Mexico**
Lessor or Tract **Jicarilla "F"** Field **So. Blanco P. C.** State **New Mexico**
Well No. **13** Sec. **16** T. **26-N** R. **5-W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1760** ft. **XXX** of **Nw.** Line and **1085** ft. **[E.]** of **N** Line of **Section 16** Elevation **6625**
(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.
Original Signed **R. G. MILLER**
Signed _____

Date **July 5, 1961** Title **Petroleum Engineer**

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

Commenced drilling **5-12**, 19**61** Finished drilling **5-20**, 19**61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3106** to **3181 (a)** 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 _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8"	26	8	3	100	3	3106			Surface casing
2 7/8"	9.3	8	3	80	3	3181			Production casing
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
5/8"	95	100	circulated		
7/8"	323	80	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
3113-3128, 3157-3175		Free Pictured Cliffs	part int w/31,428 gal water & 25,000# sand. Finished w/1070 gal water. I.M. 17.3 MM. Max pr 2900#, NW 2300#, avg to pr 1900-2400-2500#. Dropped 3 sets of 15 balls			

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to **3250** feet, and from _____ feet to _____ feet

DATES

S.I. 6-10-61 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 **2,416,000** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **995**

EMPLOYEES **A.O.F. - 2563 MCF/D**

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2530	2530	San to gry cr-grn ss interbedded w/gry sh.
2530	2711	181	Ojo Alamo ss. White cr- grn s.
2711	2880	169	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2880	3106	226	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3106	3181	75	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3181	3250	69	Lewis form. Gry, fine-grn, dense sil ss.

PLEASE OR PERMIT TO PROCEED

SERIAL NUMBER

U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

Company _____
 Location of Tract _____
 Section _____
 Township _____
 Range _____
 Address _____
 City _____
 State _____
 Country _____
 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 _____
 Original Signed R. G. MILLER
 Location _____
 of _____
 Section _____
 Township _____
 Range _____
 Address _____
 City _____
 State _____
 Country _____

..... 10 Finished drilling
The summary on this page is for the condition of the well at above date.
..... Title
.....

OIL OR GAS FIELDS OR LINES

(Date for by)

No. 3, from	to	No. 4, from	to
No. 2, from	to	No. 5, from	to
No. 1, from	to	No. 6, from	to

IMPORTANT WATER SITES

----- to ----- mod 8, from ----- to ----- mod 1, from -----
----- to ----- mod 1, from ----- to ----- mod 8, from -----

CASING RECORD

Date	Well No.	Remarks	Amount	Kind of shoe	Cut and pulled from	Information		Purpose
						From	To	
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 "detracked", 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 bailing.								

HISTORY OF OIL OR GAS WELL

U.S. GOVERNMENT PRINTING OFFICE

RECORDING AND CEMENTING RECORD

Year	Number of cases of poliomyelitis	Number of deaths	Number of cases of poliomyelitis	Number of deaths	Year
1947	1,000	100	1,000	100	1947
1948	1,000	100	1,000	100	1948
1949	1,000	100	1,000	100	1949
1950	1,000	100	1,000	100	1950
1951	1,000	100	1,000	100	1951
1952	1,000	100	1,000	100	1952
1953	1,000	100	1,000	100	1953
1954	1,000	100	1,000	100	1954
1955	1,000	100	1,000	100	1955
1956	1,000	100	1,000	100	1956
1957	1,000	100	1,000	100	1957
1958	1,000	100	1,000	100	1958
1959	1,000	100	1,000	100	1959
1960	1,000	100	1,000	100	1960
1961	1,000	100	1,000	100	1961
1962	1,000	100	1,000	100	1962
1963	1,000	100	1,000	100	1963
1964	1,000	100	1,000	100	1964
1965	1,000	100	1,000	100	1965
1966	1,000	100	1,000	100	1966
1967	1,000	100	1,000	100	1967
1968	1,000	100	1,000	100	1968
1969	1,000	100	1,000	100	1969
1970	1,000	100	1,000	100	1970
1971	1,000	100	1,000	100	1971
1972	1,000	100	1,000	100	1972
1973	1,000	100	1,000	100	1973
1974	1,000	100	1,000	100	1974
1975	1,000	100	1,000	100	1975
1976	1,000	100	1,000	100	1976
1977	1,000	100	1,000	100	1977
1978	1,000	100	1,000	100	1978
1979	1,000	100	1,000	100	1979
1980	1,000	100	1,000	100	1980
1981	1,000	100	1,000	100	1981
1982	1,000	100	1,000	100	1982
1983	1,000	100	1,000	100	1983
1984	1,000	100	1,000	100	1984
1985	1,000	100	1,000	100	1985
1986	1,000	100	1,000	100	1986
1987	1,000	100	1,000	100	1987
1988	1,000	100	1,000	100	1988
1989	1,000	100	1,000	100	1989
1990	1,000	100	1,000	100	1990
1991	1,000	100	1,000	100	1991
1992	1,000	100	1,000	100	1992
1993	1,000	100	1,000	100	1993
1994	1,000	100	1,000	100	1994
1995	1,000	100	1,000	100	1995
1996	1,000	100	1,000	100	1996
1997	1,000	100	1,000	100	1997
1998	1,000	100	1,000	100	1998
1999	1,000	100	1,000	100	1999
2000	1,000	100	1,000	100	2000
2001	1,000	100	1,000	100	2001
2002	1,000	100	1,000	100	2002
2003	1,000	100	1,000	100	2003
2004	1,000	100	1,000	100	2004
2005	1,000	100	1,000	100	2005
2006	1,000	100	1,000	100	2006</

FLUGS AND ADAPTERS

Adapters—Material	Six	Deposited
Flaring plug—Material	Seven	Deposited

SHOOTING RECORD

[illegible]

Cable tools were used from	test to	test and from	test to
Historical tools were used from	test to	test and from	test to

DATE:

Rock pressure, lbs. per sq. in.	5,410,000
It gas up, on it, for 24 hours	5,410,000
emulsion; 95 water; and 5 sediment.	
The production for the last 24 hours was	100
first to producing	100

07/11/2025 - 10:10 A. ZEEVOLIAME

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	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399</
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	--------

CHOOER POTAMOC

FORMATION	THICKNESS	DEPTH	LOCATION
1. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
2. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
3. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
4. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
5. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
6. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
7. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
8. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
9. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150
10. 100' to 150' of sand and gravel, some of which is interbedded with clay.	100-150	100-150	100-150

FORMATION RECORD—Continued

$$2-NO_2-4-Cl-$$