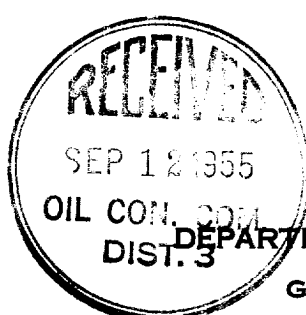


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U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078386-A
LEASE OR PERMIT TO PROSPECT

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 Sunray Field Blanco State New Mexico
Well No. 2-G Sec. 21 T. 31N R. 9W Meridian NBPM County San Juan
Location 1650 ft. SW of N Line and 1650 ft. W of E Line of Section 21 Elevation 6512'
(Derive 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

Date August 4, 1955 Title Petroleum Engineer

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

Commenced drilling May 28, 1955 Finished drilling June 15, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by $\odot$)

No. 1, from 3357 to 3418 (G) No. 4, from 5572 to 5721 (G)
 No. 2, from 5113 to 5222 (G) No. 5, from _____ to _____
 No. 3, from 5222 to 5572 (G) No. 6, from _____ to _____

IMPREGNANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASTING RECORD

Size casting	Weight per foot	Threads per inch	Make	Amount	Kind of steel	Cut and polished from	Perforated	Purpose
9 5/8"	25.4#	P.E.	S.W.	161'	Bowco			Surface
4 1/2"	10.3#	8 RD	J-55	512'				Prod. Log

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"	506 7'	500	Single Stg.		

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

		TOOLS USED		Gas Drilled	
Rotary tools were used from	0	feet to	5067	feet, and from	5067
Cable tools were used from		feet to		feet, and from	
				feet to	

DATES

----- June 17 -----, 1955 The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % water; and ----- % sediment. If gas well, cu. ft. per 24 hours ----- 5,817,000 Rock pressure, lbs. per sq. in. ----- 1038	Put to producing -----, 19----- ----- % was oil; ----- % Gravity, °Bé. ----- Gallons gasoline per 1,000 cu. ft. of gas -----
--	--

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	895	895	Tan cr-grn w/thin sh breaks.
895	1595	700	Variegated sh w/thin ss breaks.
1595	2576	981	Tan to gry cr-grn ss interbedded w/gry sh.
2576	2670	94	Ojo Alamo ss. White cr-grn s.
2670	2950	280	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2950	3357	407	Fruitland form. Gry carb wh, scattered coals coals and gry, tight, fine-grn ss.
3357	3418	61	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3418	5113	1695	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5113	5222	109	Cliff House ss. Gry, fine-grn, dense sil ss.
5222	5572	350	Manefee form. Gry, fine-grn s, carb sh & coal.
5572	5721	149	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5721	5745 T.D.	24	Mancos formation. Gry carb sh.

U. S. LAND OFFICE
SPECIAL NUMBER
LEASE OF PERMIT TO PRODUCE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL.

SCALE WITH CORRECTLY

[illegible]

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 _____

Location of well (N. of _____ E. of _____ W. of _____) of _____ line and _____ Meridian _____

Well No. _____ Section _____ T. _____ R. _____

Lessor or Trust _____

Field _____ State _____

Address _____

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

OUT OR GAS SANDS OR ZONES

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

Sandoff June 14, 1955 Total depth 5245', Citter House from 5067' to 5245' with
 at 1200 fathoms and 10,100' sand. Breakdown pressure 1500 psi, maximum pressure
 1695 psi, average breaking pressure 1550 psi, Injection rate 0.7 bbls./min. Flush
 1588 gallons. Natural Gas 93 Mcf/D.
 Casing Record
 Sandoff June 16, 1955 Total depth 5745', Point Lookout from 5468' to 5745' with
 10,400 gallons oil and 10,100' sand. Breakdown pressure 1100 psi, maximum
 pressure 1300 psi, Injection rate 0.6 bbls./min. Flush 2473 gallons. Natural
 Gas 406 Mcf/D.

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

U. S. GOVERNMENT PRINTING OFFICE 16-43094-2

ARRESTING AND IDENTIFYING RECORD

Serial	Witnessed	Number and date of payment	Amount received	Remarks
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STAFFING ON ADOLESCENTS

Flowing Spring	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	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
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SHOOTING RECORD

Size	Shelf used	Explosives used	Quantity	Date	Operator	Depth of sand used

0250 2100T

from _____ of 1961	_____ from _____	_____ of 1961	_____ from _____
from _____ of 1961	_____ from _____	_____ of 1961	_____ from _____

DATA

It was well on the 24 hours	50 water and 100 sediment	The production for the first 24 hours was	Barrels of oil	Put to producing
Gallons gasoline per 1,000 cu. ft. of gas	Gravity 28.6	Barrels of fluid of which		

EMPLOYEES

Driller	_____	Driller	_____
Driller	_____	Driller	_____

FORMATION RECORD

FROM -	TO -	TOTAL INET	COMPARISON
100%	100%	100%	100%
98%	98%	98%	98%
96%	96%	96%	96%
94%	94%	94%	94%
92%	92%	92%	92%
90%	90%	90%	90%
88%	88%	88%	88%
86%	86%	86%	86%
84%	84%	84%	84%
82%	82%	82%	82%
80%	80%	80%	80%
78%	78%	78%	78%
76%	76%	76%	76%
74%	74%	74%	74%
72%	72%	72%	72%
70%	70%	70%	70%
68%	68%	68%	68%
66%	66%	66%	66%
64%	64%	64%	64%
62%	62%	62%	62%
60%	60%	60%	60%
58%	58%	58%	58%
56%	56%	56%	56%
54%	54%	54%	54%
52%	52%	52%	52%
50%	50%	50%	50%
48%	48%	48%	48%
46%	46%	46%	46%
44%	44%	44%	44%
42%	42%	42%	42%
40%	40%	40%	40%
38%	38%	38%	38%
36%	36%	36%	36%
34%	34%	34%	34%
32%	32%	32%	32%
30%	30%	30%	30%
28%	28%	28%	28%
26%	26%	26%	26%
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10%	10%	10%	10%
8%	8%	8%	8%
6%	6%	6%	6%
4%	4%	4%	4%
2%	2%	2%	2%
0%	0%	0%	0%