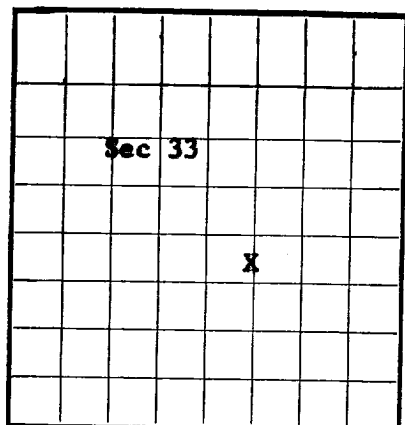


Las Cruces

U. S. LAND OFFICE **LC-054667**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT



T-37-E

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Company** Address **2005 Wilco Building, Midland, Texas**
Lessor or Tract **Gregory Federal** Field **Crosby-Devonian** State **New Mexico**
Well No. **3** Sec. **33** T. **37-E** R. **25-S** Meridian **NMPM** County **Lea**
Location **1980'** ft. **N** of **25** Line and **37** ft. **E** of **33** Line of **3010'** Elevation
(Derriek 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 **Jimmi Olson** Title **Petroleum Engineer**
Date **July 1, 1958**

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

Commenced drilling **April 13, 1958**, 19____ Finished drilling **June 21,** 19____ **58**

OIL OR GAS SANDS OR ZONES

No. 1, from **8142'** to **8180'** (Denote gas by G)
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
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	Perforated		Purpose
							From—	To—	
13-3/8"	484		H-40	498.46'					Surface
9-5/8"	384		H-55	3894'					Intermediate
7"	294		H-60	8262'					Production
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
13-3/8"	496'	500 SX reg.	Circulated		
9-5/8"	3894'	858 SX w/1/4 Flo Seal	Circulated		
7"	8262'	400 SX reg w/4% gel & 300 SX 1:1 Pozmix	pump & plug		

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

TOOLS USED

Rotary tools were used from **0'** feet to **8285'** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 1, 19____ **58** Put to producing **Not 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 **8,700MCF, AOF** Gallons gasoline per 1,000 cu. ft. of gas _____
GOR 912MCF/bbl

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2511'	2511'	Anhydrite, salt, and red bed.
2511'	3600'	1089'	Dolomite and sand
3600'	6350'	2750'	Dolomite
6350'	6950'	600'	Limestone
6950'	7450'	500'	Dolomite
7450'	7925'	475'	Limestone, dolomite, and chert
7925'	8140'	215'	Shale
8140'	8220'	80'	Dolomite and chert
8220'	8285' TD	65'	Limestone
FORMATIONS			
TOPS		NAMES	
918'		Rustler	
1140'		Salado	
2304'		Tansill	
2511'		Yates	
2802'		Seven Rivers	
3110'		Queen	
3635'		San Andres	
5096'		Glorieta	
7702'		Detrital	
7740'		Missippian Limestone	
7926'		Woodford	
8142'		Devonian	
8222'		Silurian Limestone	

[OVER]

16-43004-4

FORMATION RECORD—Continued

PLEASE OR PERMIT TO PROCEED
SERIAL NUMBER
U. S. LAND OFFICE 024661

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

[illegible]

LOCATE WELL CORRECTLY

[illegible]

(Don't need drilling) _____, 19____
 Finished drilling _____, 19____
 June 11, 1956

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

cc

OIL OR GAS SANDS OR ZONES

to	from	to	from
No. 4	No. 4	No. 4	No. 4
No. 5	No. 5	No. 5	No. 5
No. 6	No. 6	No. 6	No. 6

IMPORTANT WATER SANDS

to 1000 feet per foot from 8120 to 8180.

Treated with 10,000 sulfonamide 15% acid. max. press. 2200psi, min. press.

No.	Date	Weight per box	Pieces per box	Marks	Amount	Kind of shoe	Cut and pulled from	Perforated To— From—	Purpose
108	1967				108.30				cut from

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 "sinker-barred" or well in the well, give the date 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 out of shot.

HISTORY OF OIL OR GAS WELL

TOTAL CHAIN INVENTORY

Sl. No.	Year	Number of cement	Method used	Wind gravity	Amount of wind used
1	1957	100 sq. ft.	100 sq. ft.		
2	1958	875 sq. ft.	875 sq. ft.		
3	1959	100 sq. ft.	100 sq. ft.		
4	1960	100 sq. ft.	100 sq. ft.		

PLUGS AND ADAPTERS

.....			
.....			

SHOOTING RECORD

[illegible]

TOOLS USED

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	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</
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DATE

Put to producing

The question for the first 28 hours was _____ new animal to test out of noise about 10
of which he heard _____

% was off _____

100% CRYSTAL

1001 1001 1001

EMPLOYEES

[illegible]

FORMATION RECORD

FORMATION	TO	FROM
Albion Limestone	8335'	8335'
Leontian	8145'	8145'
Woodford	7740'	7740'
Mississippi Limestone	7705'	7705'
Netley	7605'	7605'
Clontarf	7505'	7505'
San Andrew	7335'	7335'
Queen	7110'	7110'
Neven Rivers	7005'	7005'
Yales	6911'	6911'
Tennell	6804'	6804'
Salado	6140'	6140'
Russler	5918'	5918'
TOTAL	7038'	7038'
FORMATIONS		
Limestone	65'	65'
Dolomite and chert	90'	90'
Shale	215'	215'
Limestone, dolomite, and chert	475'	475'
Dolomite	500'	500'
Limestone	800'	800'
Dolomite	3750'	3750'
Dolomite and sand	1085'	1085'
Anhydrite, salt, and red bed.	3211'	3211'
TOTAL FEET		