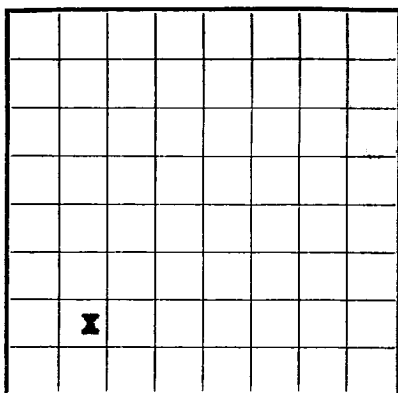




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **Cont. No. 66**
LEASE OR PERMIT TO PROSPECT**RECEIVED**
JUL 25 1961
OIL CON. COM.
DIST. 3

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 990, Farmington, New Mexico**
Lessor or Tract **Jicarilla "B"** Field **So. Blanco P.C.** State **New Mexico**
Well No. **16** Sec. **33** T. **25N** R. **4W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1080** ft. **N** of **S** Line and **900** ft. **E** of **W** Line of **Section 33** Elevation **6930**
(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 R. G. MILLER**Date **July 18, 1961** Title **Petroleum Engineer**

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

Commenced drilling **6-1-**, 19 **61** Finished drilling **6-10-**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3095** to **3196 (G)** 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	4	2-5/8	100	2-5/8	2-5/8			2-5/8
2 7/8	19	4	2-5/8	100	2-5/8	2-5/8			2-5/8
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
8 5/8	125	140	circulated		
2 7/8	3190	245	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
3096-3100;	Arac Pictured Cliffs w/30,000 gal water (16 calcium chloride & 7 1/2 J-2/1000 gal)					
3108-3118;	25,000 gal sand, flushed w/30 gal water. I.R. 17.1 BPM. Max pr 2600', HSP 2600',					
	or pr 2600-2180'. Dropped 1 set of 5 balls.					

TOOLS USED

Rotary tools were used from **125** feet to **3196** feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **125** feet, and from _____ feet to _____ feet

DATES

6-23-, 19 **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 **539,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **980** **A.O.P. 541 MCF/D**

EMPLOYEES

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

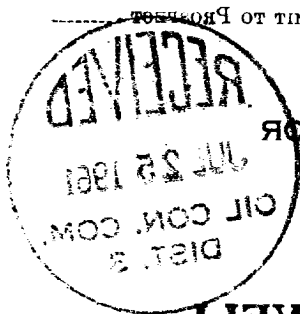
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2566	2566	Tan to gry cr-grn ss interbedded w/gry sh.
2566	2715	149	Ojo Alamo ss. White cr-grn s.
2715	2903	188	Kirtland form. Gry sh interbedded w/gtkn tight gry fine-grn ss.
2903	3095	192	Fruitland form. Gry, carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3095	3196	101	Pictured Cliffs form Gry, fine-grn, tight, varicolored soft ss.
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

Form Approved
Budget Bureau 70-15-R3254

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



LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. A small black mark is visible near the bottom right corner of the grid.

Date July 15, 1934
 Signed _____
 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.
 Original signed R. C. MILLER
 Title Petroleum Engineer
 Location 1000 ft. N. of 2 of 101 ft. E. of 4 line of Section 33 Elevation 2130
 Well No. 10 Sec. 33 T. 23 R. 10 Meridian
 Lessor or Trust Atlantic 75
 Company 21 East Natural Gas Company
 Address Box 100, Terminous, New Mexico
 Field Go-Hance F.C. State New Mexico
 County San Antonio

Commenced drilling _____ 1901 _____ Finished drilling _____ 1901 _____

OIL OR GAS SANDS OR ZONES

(D) $\frac{1}{2}$ (E) $\frac{1}{4}$

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

IMPORTANT WATER SANDS

----- of ----- from 3.00N ----- of ----- from 1.00Z
----- of ----- from 4.00N ----- of ----- from 2.00Z

CASING RECORD

Purpose	From— To—
Perforated	Cut and pulled from
Kind of shoe	Amount
Made	Made
Message per Inst.	Per foot
Weight	Spice

NUDDING AND CEMENTING RECORD

Size ceasing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2 1/2"	15'	150	Stratified		
4 1/2"	30'	250	Single surge		

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	feet to	feet, and from	feet to
Cable tools were used from	feet to	feet, and from	feet to

DATA

The production for the first 24 hours was 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
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100

11 gas well out in 24 hours 23,000	Gallons gasoline per 1,000 cu. ft. of gas
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FORMATION RECORD

[illegible]