

RECEIVED

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

NOV 4 1959

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOU. S. LAND OFFICE Santa Fe
SERIAL NUMBER 101 016011
LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NOV 5 1959

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company R. D. Collier Address Box 921, Artesia, New Mexico
Lessor or Tract Gulf Field West Lusk State New Mexico
Well No. 1 Sec. 23 T. 19 R. 31 Meridian NMPM County Eddy
Location 990 ft. N. of 1 Line and 660 ft. E. of 4 Line of Section 23 Elevation 3546
(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 Clifford G. GinnDate November 2, 1959 Title Clerk

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

Commenced drilling August 1, 1959 Finished drilling October 24, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

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—	
<u>8 5/8</u>				<u>805</u>		<u>Knocked off</u>			
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
<u>8 5/8</u>	<u>805</u>	<u>50</u>			

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2468 feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>800</u>		<u>Caliche and Red bed</u>
<u>800</u>	<u>2210</u>		<u>Salt</u>
<u>2210</u>	<u>2445</u>		<u>Anhy</u>
<u>2445</u>	<u>2468</u>		<u>Blue shale</u>
	<u>2468</u>		<u>T.D.</u>
			<u>Plugged and abandoned.</u>

LOG OF OIL OR GAS WELL

[illegible]

The information given here is a complete and correct record of the well and all work done thereon. The same is ascertained from all available records.

Oil for the sands of time
 (The end was here)

TABLE 1 The q - $\bar{q}$ annihilation cross sections			
q	$\bar{q}$	$\sigma_{\text{ann}}^{\text{had}}(q\bar{q})$ (nb)	$\sigma_{\text{ann}}^{\text{had}}(q\bar{q})$ (nb)
u	$\bar{u}$	0.0011 ± 0.0001	0.0011 ± 0.0001
d	$\bar{d}$	0.0011 ± 0.0001	0.0011 ± 0.0001
s	$\bar{s}$	0.0011 ± 0.0001	0.0011 ± 0.0001
c	$\bar{c}$	0.0011 ± 0.0001	0.0011 ± 0.0001
b	$\bar{b}$	0.0011 ± 0.0001	0.0011 ± 0.0001

ADMINISTRATIVE CONTROLS

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1. 1990-1991 2. 1991-1992 3. 1992-1993 4. 1993-1994 5. 1994-1995 6. 1995-1996 7. 1996-1997 8. 1997-1998 9. 1998-1999 10. 1999-2000 11. 2000-2001 12. 2001-2002 13. 2002-2003 14. 2003-2004 15. 2004-2005 16. 2005-2006 17. 2006-2007 18. 2007-2008 19. 2008-2009 20. 2009-2010 21. 2010-2011 22. 2011-2012 23. 2012-2013 24. 2013-2014 25. 2014-2015 26. 2015-2016 27. 2016-2017 28. 2017-2018 29. 2018-2019 30. 2019-2020 31. 2020-2021 32. 2021-2022 33. 2022-2023 34. 2023-2024 35. 2024-2025 36. 2025-2026 37. 2026-2027 38. 2027-2028 39. 2028-2029 40. 2029-2030 41. 2030-2031 42. 2031-2032 43. 2032-2033 44. 2033-2034 45. 2034-2035 46. 2035-2036 47. 2036-2037 48. 2037-2038 49. 2038-2039 50. 2039-2040 51. 2040-2041 52. 2041-2042 53. 2042-2043 54. 2043-2044 55. 2044-2045 56. 2045-2046 57. 2046-2047 58. 2047-2048 59. 2048-2049 60. 2049-2050 61. 2050-2051 62. 2051-2052 63. 2052-2053 64. 2053-2054 65. 2054-2055 66. 2055-2056 67. 2056-2057 68. 2057-2058 69. 2058-2059 70. 2059-2060 71. 2060-2061 72. 2061-2062 73. 2062-2063 74. 2063-2064 75. 2064-2065 76. 2065-2066 77. 2066-2067 78. 2067-2068 79. 2068-2069 80. 2069-2070 81. 2070-2071 82. 2071-2072 83. 2072-2073 84. 2073-2074 85. 2074-2075 86. 2075-2076 87. 2076-2077 88. 2077-2078 89. 2078-2079 90. 2079-2080 91. 2080-2081 92. 2081-2082 93. 2082-2083 94. 2083-2084 95. 2084-2085 96. 2085-2086 97. 2086-2087 98. 2087-2088 99. 2088-2089 100. 2089-2090 101. 2090-2091 102. 2091-2092 103. 2092-2093 104. 2093-2094 105. 2094-2095 106. 2095-2096 107. 2096-2097 108. 2097-2098 109. 2098-2099 110. 2099-2100 111. 2100-2101 112. 2101-2102 113. 2102-2103 114. 2103-2104 115. 2104-2105 116. 2105-2106 117. 2106-2107 118. 2107-2108 119. 2108-2109 120. 2109-2110 121. 2110-2111 122. 2111-2112 123. 2112-2113 124. 2113-2114 125. 2114-2115 126. 2115-2116 127. 2116-2117 128. 2117-2118 129. 2118-2119 130. 2119-2120 131. 2120-2121 132. 2121-2122 133. 2122-2123 134. 2123-2124 135. 2124-2125 136. 2125-2126 137. 2126-2127 138. 2127-2128 139. 2128-2129 140. 2129-2130 141. 2130-2131 142. 2131-2132 143. 2132-2133 144. 2133-2134 145. 2134-2135 146. 2135-2136 147. 2136-2137 148. 2137-2138 149. 2138-2139 150. 2139-2140 151. 2140-2141 152. 2141-2142 153. 2142-2143 154. 2143-2144 155. 2144-2145 156. 2145-2146 157. 2146-2147 158. 2147-2148 159. 2148-2149 160. 2149-2150 161. 2150-2151 162. 2151-2152 163. 2152-2153 164. 2153-2154 165. 2154-2155 166. 2155-2156 167. 2156-2157 168. 2157-2158 169. 2158-2159 170. 2159-2160 171. 2160-2161 172. 2161-2162 173. 2162-2163 174. 2163-2164 175. 2164-2165 176. 2165-2166 177. 2166-2167 178. 2167-2168 179. 2168-2169 180. 2169-2170 181. 2170-2171 182. 2171-2172 183. 2172-2173 184. 2173-2174 185. 2174-2175 186. 2175-2176 187. 2176-2177 188. 2177-2178 189. 2178-2179 190. 2179-2180 191. 2180-2181 192. 2181-2182 193. 2182-2183 194. 2183-2184 195. 2184-2185 196. 2185-2186 197. 2186-2187 198. 2187-2188 199. 2188-2189 200. 2189-2190 201. 2190-2191 202. 2191-2192 203. 2192-2193 204. 2193-2194 205. 2194-2195 206. 2195-2196 207. 2196-2197 208. 2197-2198 209. 2198-2199 210. 2199-2200 211. 2200-2201 212. 2201-2202 213. 2202-2203 214. 2203-2204 215. 2204-2205 216. 2205-2206 217. 2206-2207 218. 2207-2208 219. 2208-2209 220. 2209-2210 221. 2210-2211 222. 2211-2212 223. 2212-2213 224. 2213-2214 225. 2214-2215 226. 2215-2216 227. 2216-2217 228. 2217-2218 229. 2218-2219 230. 2219-2220 231. 2220-2221 232. 2221-2222 233. 2222-2223 234. 2223-2224 235. 2224-2225 236. 2225-2226 237. 2226-2227 238. 2227-2228 239. 2228-2229 240. 2229-2230 241. 2230-2231 242. 2231-2232 243. 2232-2233 244. 2233-2234 245. 2234-2235 246. 2235-2236 247. 2236-2237 248. 2237-2238 249. 2238-2239 250. 2239-2240 251. 2240-2241 252. 2241-2242 253. 2242-2243 254. 2243-2244 255. 2244-2245 256. 2245-2246 257. 2246-2247 258. 2247-2248 259. 2248-2249 260. 2249-2250 261. 2250-2251 262. 2251-2252 263. 2252-2253 264. 2253-2254 265. 2254-2255 266. 2255-2256 267. 2256-2257 268. 2257-2258 269. 2258-2259 270. 2259-2260 271. 2260-2261 272. 2261-2262 273. 2262-2263 274. 2263-2264 275. 2264-2265 276. 2265-2266 277. 2266-2267 278. 2267-2268 279. 2268-2269 280. 2269-2270 28

HISTORY OF OIL OR GAS WELL

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 balling.

[illegible]