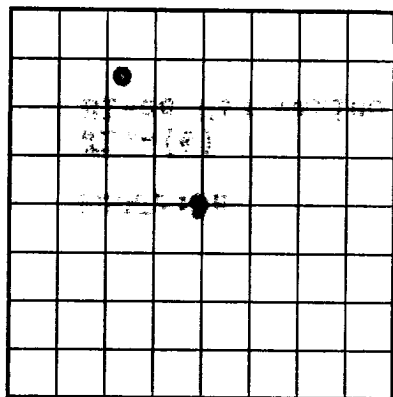




U. S. LAND OFFICE **Las Cruces**

SERIAL NUMBER **030176 (a)**

LEASE OR PERMIT TO PROSPECT **U.S. Cagle (a) Lease**

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **The Texas Company** Address **Drawer K; El Paso, Texas.**

Lessor or Tract **G.C. Cagle (a)** Field **Rhodes** State **New Mexico**

Well No. **2** Sec. **9** T. **26 S** R. **37 E** Meridian **N.M.P.M.** County **Lea**

Location **990** ft. **N.** of **N.** Line and **990** ft. **E.** of **E.** Line of **N.W.** of Sec. **9** Elevation **2685'**
(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 **[Signature]**

Date **July 24, 1938**

Title **District Superintendent**

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

Commenced drilling **June 21**, 19**38** Finished drilling **July 26, 1938**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2690'** to **2780'** No. 4, from **2780'** to **2860'**

No. 2, from **2780'** to **2860'** No. 5, from **2860'** to **2940'**

No. 3, from **2940'** to **3020'** No. 6, from **3020'** to **3100'**

IMPORTANT WATER SANDS

No. 1, from **2690'** to **2780'** No. 3, from **2780'** to **2860'**

No. 2, from **2780'** to **2860'** No. 4, from **2860'** to **2940'**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13"	40	8	102	102	Regular Pattern				
9-5/8"	26	8	102	102	Regular Pattern				
7"	20	8	102	102	Regular Pattern				

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"	124'	100	Halliburton		
9-5/8"	104'	350	"		
7"	2780'	125	"		

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 **3060'** feet, and from _____ feet to _____ feet

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

DATES

July 14, 19**38** On test. 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 **50,550,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **340**

EMPLOYEES

Bert Long, Driller **E.J. Hornbeck**, Driller

H.S. Haslam, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
00	50	50	Surface Soil and Sand.
50	103	53	Shale and Shells
103	260	157	Red Rock
260	550	290	Sand and Red Rock
550	1000	450	Red Rock
1000	1370	370	Anhydrite
1370	2530	1160	Salt and Anhydrite
2530	2590	60	Anhydrite
2590	2626	36	Brown Lime
2626	2637	11	Brown Lime and anhydrite
2637	2760	123	Brown Lime
2760	2796	36	White Lime
2796	2851	55	Sandy Lime
2851	2872	21	Sand
2872	3060	188	White Lime and sand.
Total Depth - 3060'			
Deviation tests as follows			
500'-	1/8°	2060'-	2 1/2°
1015'-	1 1/2°	2490'-	3-1/2°
1440'-	1°	2790'-	2 1/2°

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

✓
ST-06 NEW MEXICO
JUL - (4)
1968

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.

Location of _____ of _____ Line and _____ of _____ Line of _____ Elevation _____

Well No. _____ Sec. _____ Twp. _____ R. _____ N. _____ S. _____ County _____ State _____

Packer or Trust _____ Field _____ State _____

Company _____ Address _____ City _____ State _____

Completed drilling _____
The summary on this page is for the condition on the well as above date _____
Date _____

OIL OR GAS SANDS OR ZONES

(i) yes, above

CASING RECORD

No. 2 The casing was cemented at 700' instead of 800'. As anticipated due to the fact that the well logged considerably higher than expected.

No. 1 from to No. 2 from
drilling stem test (LWS-9567) showed 300,000 cu. ft. of gas and 2500' of drilling fluid.

No. 3 from to No. 6 from
at the total depth of 2000'. An open flow test, showed 600,000 cu. ft. of air gas. The hydrocarbon content of the gas was 60 percent by volume.

CASING RECORD

Size inches	Weight per foot	Threads per inch	Make	Amount	Kind of steel	Cut and galled from	Perforated from— to—	Number
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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

Case No.	Where set	Number sacks of cement	Mix used	Stud used	Amount of mud used	Case No.
1						2
3						4
5						6
7						8
9						10
11						12
13						14
15						16
17						18
19						20
21						22
23						24
25						26
27						28
29						30
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67						68
69						70
71						72
73						74
75						76
77						78
79						80
81						82
83						84
85						86
87						88
89						90
91						92
93						94
95						96
97						98
99						100

RECORDING AND CEMENTING RECORD

Case No.	Where set	Number sacks of cement	Shipped used	Shut capacity	Amount of mud used
1					
2					
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PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

0-7-1951

0001 ...and has been now about 1900 ft
0002 ...and has been now about 1900 ft

END

77. A well on the 24 hours continuous gas flow test was
 completed on the 24 hours continuous gas flow test. The
 results of the test are as follows:

Time	Gas Flow (cu ft per hour)	Pressure (psi)
10:00 AM	1,000	100
11:00 AM	1,000	100
12:00 PM	1,000	100
1:00 PM	1,000	100
2:00 PM	1,000	100
3:00 PM	1,000	100
4:00 PM	1,000	100
5:00 PM	1,000	100
6:00 PM	1,000	100
7:00 PM	1,000	100
8:00 PM	1,000	100
9:00 PM	1,000	100
10:00 PM	1,000	100
11:00 PM	1,000	100
12:00 AM	1,000	100

The results of the test show that the well is capable of
 producing gas at a rate of 1,000 cu ft per hour at a pressure
 of 100 psi. This is a very good result for a well of this
 type.

21190174E

1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	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
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FORMATION RECORD

FROM	TO	TOTAL	FORMATION
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
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49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

NOTAMEN

FORMATION RECORD—Continued

FORMATION

TOTAL FEET

—OL

—FROM—