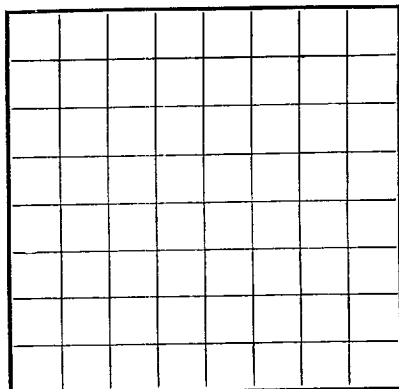




LOCATE WELL CORRECTLY

RECEIVED

DEC 16 1958

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOU. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECTNew Mexico
0610

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Leonard Oil Company Address P.O. Box 708 Roswell, N.M.
Lessor or Tract Federal-Hagerty Field Henshaw (Ext) State New Mexico
Well No. 6 Sec. 7 T16S R. 30E Meridian N.M.P.M. County Eddy
Location 990 ft. N. of S. Line and 330 ft. E. of E. Line of Sec. 7 Elevation 3776
(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 Timothy T. Leonard
Title Sec'y-Treas.

Date December 15, 1958

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

Commenced drilling 11-4, 1958 Finished drilling 12-5, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2703 to 2722 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—	
10 3/4	32#			521'					Surface
5 1/2	15.5#			2703'					Production
HENSLOW OIL OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	521'	50 sz	(Denton)		
5 1/2	2703'	200 sz	(Denton)		

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
Treated open hole 2703'-2737' with 31,000 gals oil and 46,000 # sand - well flowed 12 bbls per hour after recovered load oil.						

TOOLS USED

Rotary tools were used from 0 feet to TD feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 15, 1958 Put to producing December 13, 1958
The production for the first 24 hours was 34 barrels of fluid of which 100 % 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

C. Vorren, Driller Luke, Driller
Spencer, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1	60	60	Gravel
60	70	10	Gravel
70	95	25	Red Shale
95	105	10	Sand
105	125	20	Red bed
125	170	45	Red shale
170	230	60	Red shale
230	260	30	Red shale
260	305	45	Red shale
305	350	45	Red shale
350	380	30	Red shale
380	385	5	Sand water
385	390	5	Sand water rock
390	410	20	Anhy
410	420	10	Shale
420	450	30	Red rock
450	475	25	Anhy-breaker
475	490	15	Red bed & anhy
490	492	2	Red rock
492	521	29	Salt
521	535	14	Salt & anhy
535	573	38	Poly - salt & anhy
573	1010	437	Salt
1010	1030	20	Anhy
1030	1070	40	Anhy & shal
1070	1195	125	Anhy

TOTAL FEET (OVER)

16-43094-3

8701 1 030

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCALITY: 10000

[illegible]

OUT OF CASE SALES OR ZONES

(D) $\frac{1}{2} \log 2$

.....	atoll 1.6%		atoll 1.6%
.....	atoll 3.6%		atoll 2.9%
.....	atoll 8.6%		atoll 8.7%

APPROXIMATE WATER TREATMENT

[illegible]

CASING RECORD

[illegible]

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, 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

MAKING AND CEMENTING RECORD

[illegible]

PLATES AND ADAPTERS

[illegible]

SHOOTING RECORD

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	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382
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CHURCH & LOT

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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	45	46	47	48	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

INFORMATION RECORD

FORMATION	FOOT FEET	FEET
Any & red sandy shale	40	1235
Any & shale	75	1235
Any & red bed	9	1319
Any	11	1330
Blue shale & sandy	10	1340
Any	15	1355
Any & shale	30	1385
Any	220	1705
Any & shale	35	1740
Any	140	1880
Any & blue shale	30	1910
Any	60	1970
Red sand	15	1985
Any	155	2140
Shale & any	15	2155
Any & sand	15	2170
Any	35	2205
Any	10	2215
Red sand	5	2220
Any & any	15	2235
Any	30	2265
Any	125	2390
Any & lime	25	2415
Any	35	2450
Any	5	2455
Any	15	2470
Any	5	2475
Any	40	2515

FORMATION RECORD—Continued