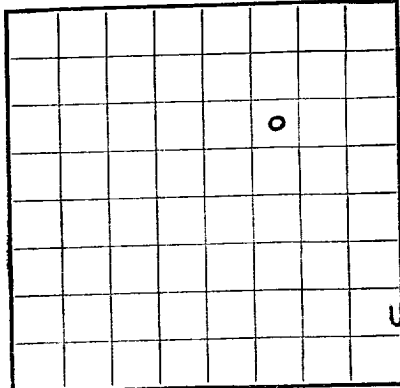


Form 9-330



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FEB 2 1962

GEOLOGICAL SURVEY
NEW MEXICOU. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **058650**
LEASE OR PERMIT TO PROSPECT

UNITED STATES

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DEPARTMENT OF THE INTERIOR

FEB - 5 1962

GEOLOGICAL SURVEY

O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Reading and Bates, Inc.** Address **1101 Philtower Building**
Lessor or Tract **Jones** Field **North Benson** State **New Mexico**
Well No. **2** Sec. **34** T. **18S** R. **30E** Meridian **N. M. P. M.** County **Eddy** **3441 Gr**
Location **1650** ft. **N** of **N** Line and **2310** ft. **E** of **E** Line of **Sec. 34** Elevation **3452 KB**
(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

D. L. Potter
Title **Exploration Geologist**Date **January 31, 1962**

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

Commenced drilling **December 22**, 19 **61** Finished drilling **December 31**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2945** to **2958** No. 4, from _____ to _____
No. 2, from **3052** to **3078** No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

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	Depth set	Depth pulled from	Perforated	Purpose
8 5/8	24	8	2945	2958	8/11	Free
4 1/2	9.5	8	3052	3078	8/11	Acid

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	518 Gr.	250	Hall Pump	water	Hole full
4 1/2	3086 Gr.	500	H	water	Losing circulation

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 **surface** feet to **3100** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 31, 19 **62** Put to producing **January 20**, 19 **62**
The production for the first 24 hours was **48** barrels of fluid of which **79** % was oil; _____ %
emulsion; **21** % water; and _____ % sediment. **pumping** Gravity, °Bé. **37.1**
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
0	345		Red beds and shale
345	594		Rustler shale and anhydrite.
594	1530		Salt
1530	2010		Anhydrite and shale
2010	2108		Yates
2108	2827		Sand & dolomite
2827	2873		Anhydrite -dol. & s. red & grey shale
2873	2943		Queen
2943	2961		Red & grey t. g. sand—slight show of oil
2961	3049		Dolomite and anhydrite
3049	3078		Middle Queen
3078	3089		Red grey & brown fine sand-oil saturated.
			S. good porosity
			Full grey, dense dolomite & anhydrite
			Ferrous
			Fine grained grey-reddish brown sand-
			oil saturation
			Dense dolomite

FORMATION RECORD—CONTINUED

[illegible]

2037 2038

NEW MEXICO
JANUARY 1962

LOC OF ORIGIN

RECEIVED
STATEMENT OF THE DIRECTOR

YUVALE 140120_030

13 MAY 1961

222

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CONFIDENTIAL - SECURITY INFORMATION

PERSONAL AND CONFIDENTIAL
(Handling Instructions)

to

ad perforated 2948 & 2952 8 holes in plane and 2951-2954 4 holes per foot. Traced with 250 gals acid break down 2200' 2100 gal. lease crude, 12000# sand. Min. treating resource 2900# maximum 3500'. IP 38 BO & 10 ft water sand (11000) 12 16 hrs

1/2" new 9.5# J. 55 casing at 3086 ft. 500 sacks 50-50 porolith 2% Gel.
D. of 3100 KB 3089 Gr. Logging circulation below 1550 where hole unlogged mud. Set
Casing 3086 ft. 500 sacks 50-50 porolith 2% Gel.

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 OH OR GAS WELL		10-3004-2		U. S. GOVERNMENT PRINTING OFFICE	
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CONFIDENTIAL

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CONFIDENTIAL	CONFIDENTIAL	CONFIDENTIAL	CONFIDENTIAL
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96. Name of the person or organization	97. Address	98. City	99. State	100. Zip

1. Cable tools were used from 1945 to 1946.	2. Cable tools were used from 1945 to 1946.	3. Cable tools were used from 1945 to 1946.	4. Cable tools were used from 1945 to 1946.	5. Cable tools were used from 1945 to 1946.	6. Cable tools were used from 1945 to 1946.	7. Cable tools were used from 1945 to 1946.	8. Cable tools were used from 1945 to 1946.	9. Cable tools were used from 1945 to 1946.	10. Cable tools were used from 1945 to 1946.
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1. The first part of the report is a general statement of the purpose and scope of the study. 2. The second part is a description of the methods used in the study. 3. The third part is a description of the results of the study. 4. The fourth part is a discussion of the results and their implications. 5. The fifth part is a conclusion.	6. The sixth part is a list of references. 7. The seventh part is an appendix. 8. The eighth part is a bibliography. 9. The ninth part is a list of figures. 10. The tenth part is a list of tables.
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[illegible]

352 + 3089

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	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395</
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Formation	Base Salt	Datum
594	1530	+1911
594	1530	+1911

E Log Tops (G. R. N.) Ground Datum

FORMATION	FORMER	FORMER	FORMER
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FROM- TO- TOTAL FEET

FORMATION RECORD-Continued