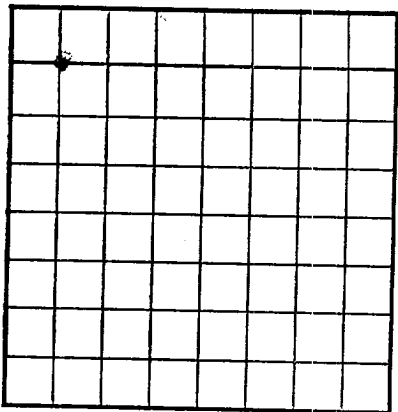


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032591-B
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Barnsdall Oil Company Address Box J, Hobbs, New Mexico
Lessor or Tract Edna Elliott Permit Field Drinkard State New Mexico
Well No. 1 Sec. 20T. 21R. 37W Meridian _____ County Lea
Location 660 {N. } of N Line and 660 {E. } of W Line of Sec. 20-21R-37E Elevation 3515'
(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]
Title District Superintendent

Date June 15, 1947

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

Commenced drilling 4-21, 1947 Finished drilling 6-15, 1947

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5220 to 5290 No. 4, from _____ to _____
No. 2, from 6550 to 6697 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 1 to _____ No. 3, from _____ to _____
No. 2, from 1 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>13 3/8</u>	<u>39#</u>	<u>8</u>	<u>Naylor</u>	<u>296</u>	<u>Naylor</u>				
<u>9 5/8</u>	<u>40#</u>	<u>8</u>	<u>C.W.S.</u>	<u>2846</u>	<u>Baker</u>				
<u>7</u>	<u>23#</u>	<u>8</u>	<u>Lucey</u>	<u>6548</u>	<u>Baker</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8</u>	<u>296</u>	<u>300 Sacks reg.</u>	<u>Haliburton</u>		
<u>9 5/8</u>	<u>2846</u>	<u>1000 Sacks reg.</u>	<u>Haliburton</u>		
<u>7</u>	<u>6548</u>	<u>500 Sacks Reg.</u>	<u>Haliburton</u>		

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length 12' Depth set 6697
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>Acid</u>	<u>1000</u>	<u>6-7-47</u>	<u>6548-6697</u>	
		<u>Acid</u>	<u>2000</u>	<u>6-10-47</u>	<u>" "</u>	

TOOLS USED

Rotary tools were used from _____ feet to _____ T.D. feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing June 15, 1947, 19____

The production for the first 24 hours was 10 barrels of fluid of which 90% was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 39

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
S.W. Wilson _____, Driller Joe Rhodes
_____, Driller _____, Driller
H.V. Creel

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>212</u>	<u>212</u>	<u>Caliche, Sand & Redbed</u>
<u>212</u>	<u>265</u>	<u>53</u>	<u>Sand & Redbed</u>
<u>265</u>	<u>307</u>	<u>42</u>	<u>Redbed</u>
<u>307</u>	<u>433</u>	<u>126</u>	<u>Sand & Redbed</u>
<u>433</u>	<u>868</u>	<u>435</u>	<u>Redbed & Caliche</u>
<u>868</u>	<u>1156</u>	<u>288</u>	<u>Redbed</u>
<u>1156</u>	<u>1240</u>	<u>84</u>	<u>Redbed & Shale</u>
<u>1240</u>	<u>1307</u>	<u>67</u>	<u>Anhydrite</u>
<u>1307</u>	<u>1547</u>	<u>240</u>	<u>Anhydrite & Redbed</u>
<u>1547</u>	<u>1747</u>	<u>200</u>	<u>Anhydrite</u>
<u>1747</u>	<u>1971</u>	<u>224</u>	<u>Anhydrite, Potash & Salt</u>
<u>1971</u>	<u>2205</u>	<u>234</u>	<u>Potash & Anhydrite</u>
<u>2205</u>	<u>2375</u>	<u>170</u>	<u>Potash, Anhydrite & Salt</u>
<u>2375</u>	<u>2496</u>	<u>121</u>	<u>Potash & Salt</u>
<u>2496</u>	<u>2547</u>	<u>51</u>	<u>Lime & Gypsum</u>
<u>2547</u>	<u>2591</u>	<u>44</u>	<u>Lime & Anhydrite</u>
<u>2591</u>	<u>2722</u>	<u>131</u>	<u>Lime</u>
<u>2722</u>	<u>2850</u>	<u>128</u>	<u>Lime & Anhydrite</u>
<u>2850</u>	<u>3000</u>	<u>150</u>	<u>Lime, Sand & Gypsum</u>
<u>3000</u>	<u>3116</u>	<u>116</u>	<u>Lime & Anhydrite</u>
<u>3116</u>	<u>3878</u>	<u>762</u>	<u>Lime</u>
<u>3878</u>	<u>4014</u>	<u>136</u>	<u>Lime & Sand</u>
<u>4014</u>	<u>4118</u>	<u>104</u>	<u>Lime</u>
<u>4118</u>	<u>4345</u>	<u>227</u>	<u>Sandy Lime</u>
<u>4345</u>	<u>6697</u>	<u>2352</u>	<u>Lime</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A full-page view of a blank sheet of white graph paper. The grid consists of thin, light gray horizontal and vertical lines intersecting at right angles to form small squares across the entire page. There are no margins, text, or other markings on the paper.

K. J. FRANKS AND L. W. STAPPA

~~CONFIDENTIAL~~

et al., 1987; New et al., 1986). The authors also noted that the condition of the well at about date

DTIC REFERENCE COPY ONLY

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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, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

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 reworking, 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.

U. S. GOVERNMENT PRINTING OFFICE

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