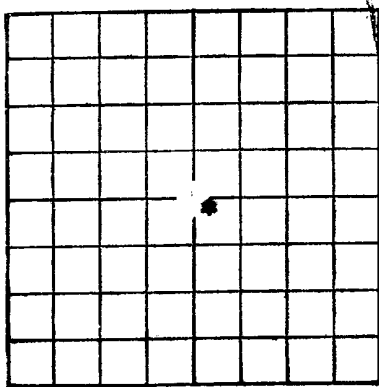




DUPLICATE

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 030174 (b)
LEASE OR ~~PROSPECT~~ TO PROSPECTDEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
OCT 3 - 1940
HOBBS OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Texas Company Address Box 1720, Fort Worth, Texas
Lessor or Tract W. H. Rhodes (b) Field Rhodes State New Mexico
Well No. 2 Sec. 27 T. 26S R. 37E Meridian N.M.P.M. County Lea
Location 2970 ft. N. of N Line and 230 ft. E. of E Line of Sec. 27 Elevation 2988 (L&S)
(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.

Date September 29, 1940Signed [Signature]
Title District Superintendent

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

Commenced drilling 8-23-, 1940 Finished drilling 9-19, 1940

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3102 to 3275 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>7-5/8</u>	<u>26.40</u>	<u>8-rnd</u>	<u>LN</u>	<u>1224</u>	<u>Halliburton</u>	<u>Guide</u>			
<u>5-1/2</u>	<u>14</u>	<u>8-rnd</u>	<u>SmIs.</u>	<u>3080</u>	<u>Halliburton</u>	<u>Guide</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7-5/8</u>	<u>1234'</u>	<u>450</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>3077'</u>	<u>125</u>	<u>Halliburton</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
<u>Dump</u>	<u>shot</u>	<u>Solid. Nitro.</u>	<u>500qts</u>	<u>9-17-40</u>	<u>3130-3275</u>	<u>to 3275</u>

TOOLS USED

Rotary tools were used from 0 feet to 3275 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing September 19, 1940
The production for the first 24 hours was 50 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, BE API 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. _____ GAS-OIL RATIO 784

EMPLOYEES

C. E. Harris, Driller Hugh West, Driller
Oscar Giles, Driller Eugene Blount, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
<u>0</u>	<u>150</u>	<u>150</u>	<u>Surface sand & shells</u>
<u>150</u>	<u>957</u>	<u>807</u>	<u>Red Rock & red beds</u>
<u>957</u>	<u>1155</u>	<u>198</u>	<u>Red rock sand & shale</u>
<u>1155</u>	<u>1293</u>	<u>138</u>	<u>Anhydrite</u>
<u>1293</u>	<u>1890</u>	<u>597</u>	<u>Salt and anhydrite</u>
<u>1890</u>	<u>2090</u>	<u>200</u>	<u>Salt</u>
<u>2090</u>	<u>2600</u>	<u>510</u>	<u>Salt and anhydrite</u>
<u>2600</u>	<u>2621</u>	<u>21</u>	<u>Anhydrite</u>
<u>2621</u>	<u>2786</u>	<u>165</u>	<u>Salt and anhydrite</u>
<u>2786</u>	<u>2831</u>	<u>45</u>	<u>anhydrite</u>
<u>2831</u>	<u>2870</u>	<u>39</u>	<u>Brown lime</u>
<u>2870</u>	<u>2886</u>	<u>16</u>	<u>Sand</u>
<u>2886</u>	<u>2965</u>	<u>79</u>	<u>Lime and anhydrite</u>
<u>2965</u>	<u>3004</u>	<u>39</u>	<u>Anhydrite and sand</u>
<u>3004</u>	<u>3095</u>	<u>91</u>	<u>Grey lime</u>
<u>3095</u>	<u>3120</u>	<u>25</u>	<u>Sand</u>
<u>3120</u>	<u>3169</u>	<u>49</u>	<u>Brown Sandy Lime</u>
<u>3169</u>	<u>3179</u>	<u>10</u>	<u>Lime</u>
<u>3179</u>	<u>3215</u>	<u>36</u>	<u>Sand and lime</u>
<u>3215</u>	<u>3232</u>	<u>17</u>	<u>Broken lime</u>
<u>3232</u>	<u>3267</u>	<u>35</u>	<u>Sand and lime</u>
<u>3267</u>	<u>3275</u>	<u>8</u>	<u>Lime</u>
		<u>3275</u>	<u>TOTAL DEPTH</u>

[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

This well was shot on 9-17-40 with 500 quarts of solid-tipped nitroglycerine from 3150' to 3299'. The shot was tamped with 180' of gravel and the hole loaded with oil. Before shooting, the well produced 8-1/2 bbls. oil in 6-1/2 hours swabbing. After shooting, and cleaning out to bottom, the well produced 50 bbls. of pipe line oil in five hours flowing thru tubing. The well has an old ratio of 784.

~~SECRET - NOFORN~~

1740	-	10
1240	-	00
1000	-	3/4
450	-	1/2

PDG-1-CVM

(7) 241005H

(T) HCV

ALL COPIES

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

1. *Chlorophyll a* (Chl *a*)

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, 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, 26

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group.

$\alpha = 0.05$ $\alpha = 0.01$ $\alpha = 0.001$ $\alpha = 0.0001$ $\alpha = 0.00001$

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

100

100

Protein	Percentage of total protein in pellet fraction	Percentage of total protein in supernatant fraction
BSA	0	100
IgG	0	100
Amylase	5	95
Chymotrypsin	15	85
Trypsin	15	85
Pepsin	25	75
Lipase	35	65
Other enzymes	45	55

Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* on the substrate. The concentration of the spores was 10⁴ spores/g (a), 10⁵ spores/g (b), 10⁶ spores/g (c), 10⁷ spores/g (d), 10⁸ spores/g (e), 10⁹ spores/g (f), 10¹⁰ spores/g (g), 10¹¹ spores/g (h), 10¹² spores/g (i), 10¹³ spores/g (j), 10¹⁴ spores/g (k), 10¹⁵ spores/g (l). The growth of *Agaricus bisporus* was measured by the diameter of the mycelium (mm) after 7 days of incubation at 25 °C. The data are the mean ± SD of three replicates.

100

$$- \frac{d}{dt} \left(\int_{\Omega} u^m dx + \int_{\Gamma} v^m ds \right) = - m \int_{\Omega} u^{m-1} f(x,u,v) dx - m \int_{\Gamma} v^{m-1} g(x,u,v) ds$$

100

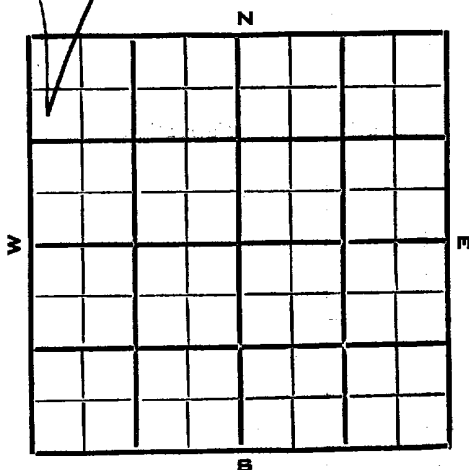
1. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

ODES

SCOUT REPORT

NEW MEXICO

OIL CONSERVATION COMMISSION



Company **The Texas Company**

Farm Name **Rhodes** Well No. **2-3**

Land Classification **Government**

Sec. **27** Twp. **26** Range **37** County **Lea**

Feet from Line: **2970** N. S. **2310** E. W.

Elevation Method **Retang**

Contractor **Uscan** Scout

Spudded **8-23-40** Completed **9-19-40** Initial Production

Bond Status

Amount
Casing and Cementing Record

Size	Feet	Inches	Sax Cement
7 1/4	1234		450
5 1/2	3077		125

Tubing Record

2"	3224
----	------

ACID RECORD

Gals.

Top Pay **3243** TD

SHOOTING RECORD

No. of Quarts	500	Shot at	3/27	Feet	3275
No. of Quarts		Shot at		Feet	
S/O		S/O		S/O	
S/O		S/O		S/O	

TA **1155** ✓

TS **1460** ✓

BS **2786** ✓

TRS

THL

TWL

DATE		DATE	
8-21-40	RUR		
8-28	T.D. 1234 A		
	WOC		
9-4	Q 2865 L		
9-10	T.D. 3040 L		
	WOC		
9-18	T.D. 3275 L		
	CORAS		
	SLM 3244-50		
9-25	T.D. 3275 L		
	I.P. 60 60 5 hr		
	thru 1" 4		
	GDR 784/x		
	Ran Schlumberger		
	slid 8 1/2 BD 6 1/2 hr		

[illegible][illegible]