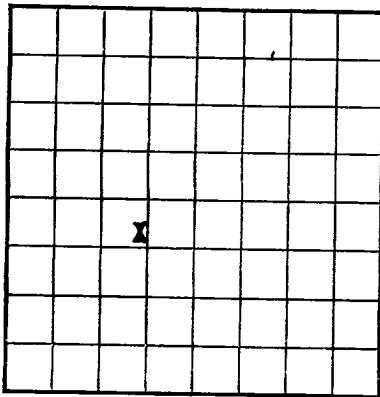




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 067265-A
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company W. H. Black Address Box 174, Midland, Texas
Lessor or Tract Federal "B" (American-Republics) Id Undesignated State New Mexico
Well No. 1 Sec. 14 T. 20S R. 33E Meridian N.M.P.M. County Lea
Location 2010 ft. ^(N.) of 1980 Line and 333 ft. ^(E.) of W Line of Section 14 Elevation 3586'
(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 AgentDate March 8, 1954

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

Commenced drilling 2-4, 1954 Finished drilling 2-28, 1954OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 3237 to 3255 No. 4, from _____ to _____
No. 2, from 3297 to 3318 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>13 3/8</u>	<u>56</u>	<u>8rd</u>		<u>70'</u>	<u>T.P.</u>	<u>70'</u>			<u>Conductor</u>
<u>10 3/8</u>	<u>32.75</u>	<u>8rd</u>		<u>510'</u>	<u>T.P.</u>	<u>510'</u>			<u>"</u>
<u>8 5/8</u>	<u>24</u>	<u>8rd</u>		<u>950'</u>	<u>T.P.</u>	<u>950'</u>			<u>"</u>
<u>7</u>	<u>20</u>	<u>8rd</u>	<u>J&L</u>	<u>3280'</u>		<u>- - -</u>			<u>Oil string</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>950'</u>		<u>Mudded</u>		<u>15 sacks Aquagel</u>
<u>7</u>	<u>3280'</u>	<u>310 sks. 10% Gel, 100 sks. neat, circ. to bottom of cellar</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>None</u>				

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3324 feet, and from _____ feet to _____ feet

DATES

3-7, 1954 Put to producing 304, 1954The production for the first 24 hours was 120 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 28.3

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 J. C. Clower Drilling Company Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>11</u>	<u>11</u>	<u>Caliche</u>
<u>11</u>	<u>20</u>	<u>9</u>	<u>Sandy Clay</u>
<u>20</u>	<u>330</u>	<u>310</u>	<u>Red & Brown Shale</u>
<u>330</u>	<u>480</u>	<u>150</u>	<u>Red & Blue Shale</u>
<u>480</u>	<u>570</u>	<u>90</u>	<u>Sandy Shale</u>
<u>570</u>	<u>670</u>	<u>100</u>	<u>Red sandy shale & rock</u>
<u>670</u>	<u>693</u>	<u>23</u>	<u>Water sand</u>
<u>693</u>	<u>1375</u>	<u>682</u>	<u>Red sandy shale</u>
<u>1375</u>	<u>1510</u>	<u>135</u>	<u>Anhydrite</u>
<u>1510</u>	<u>1595</u>	<u>85</u>	<u>Salt</u>
<u>1595</u>	<u>1625</u>	<u>30</u>	<u>Red shale & anhydrite</u>
<u>1625</u>	<u>1655</u>	<u>30</u>	<u>Lime</u>
<u>1655</u>	<u>1670</u>	<u>15</u>	<u>Red Shale</u>
<u>1670</u>	<u>1905</u>	<u>235</u>	<u>Salt, potash & some sand</u>
<u>1905</u>	<u>1940</u>	<u>35</u>	<u>Salt & Anhydrite</u>
<u>1940</u>	<u>2745</u>	<u>805</u>	<u>Salt, potash & anhydrite</u>
<u>2745</u>	<u>2915</u>	<u>170</u>	<u>Anhydrite & salt</u>
<u>2915</u>	<u>2930</u>	<u>15</u>	<u>Salt</u>
<u>2930</u>	<u>3010</u>	<u>40</u>	<u>Salt, anhydrite & sand</u>
<u>3010</u>	<u>3160</u>	<u>150</u>	<u>Lime & anhydrite</u>
<u>3160</u>	<u>3232</u>	<u>72</u>	<u>undarkened Sandy Lime</u>
<u>3232</u>	<u>3241</u>	<u>9</u>	<u>Sand (Oil)</u>
<u>3241</u>	<u>3297</u>	<u>56</u>	<u>Lime</u>
<u>3297</u>	<u>3319</u>	<u>22</u>	<u>Sand (Oil)</u>
<u>3319</u>	<u>3324</u>	<u>5</u>	<u>Lime - T.D.</u>

[illegible]

2-11-68

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, 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, 26

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— *Journal of the American Medical Association*, 1967, 202: 1007-1010.

PROBATION DEPARTMENT

$$K_{\text{eff}} = \frac{K}{1 + \frac{K}{K_{\text{max}}}} = \frac{1}{\frac{1}{K} + \frac{1}{K_{\text{max}}}} = \frac{1}{\frac{1}{10} + \frac{1}{100}} = \frac{1}{\frac{10 + 1}{100}} = \frac{1}{\frac{11}{100}} = \frac{100}{11} \approx 9.09$$
[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 "sidechecked" 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.

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