

U. S. LAND OFFICE
SERIAL NUMBER 10536
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Hughes Oil Co. Address Box 1012, El Paso, Texas
 Lessor or Tract Well Field Undesignated State New Mexico
 Well No. 1 Sec. 33 T. 25 R. 3E Meridian 31N County Rio Arriba
 Location 1850 ft. N of 2nd Line and 79 ft. E of 1st Line of Sec. 33 Elevation 5000
(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 October 22, 1959

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

Commenced drilling 2-25, 1957 Finished drilling 3-12, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3434 to 3470 G No. 4, from _____ to _____
 No. 2, from 3503 to 3512 G No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	102	150	Ed. Ibarton		
5 7/8"	3150	200	Ed. Ibarton		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

....., 19..... Put to producing 19.....

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

If gas well, cu. ft. per 24 hours 1700000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

_____, Driller _____, Driller
 Empire States _____, Driller _____, Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
3433	3512	79	Sand (pictured Cliffs

(OVER)

13 43004-4

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

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 OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
			1. 0-1000 2. 1000-2000 3. 2000-3000 4. 3000-4000 5. 4000-5000 6. 5000-6000 7. 6000-7000 8. 7000-8000 9. 8000-9000 10. 9000-10000 11. 10000-11000 12. 11000-12000 13. 12000-13000 14. 13000-14000 15. 14000-15000 16. 15000-16000 17. 16000-17000 18. 17000-18000 19. 18000-19000 20. 19000-20000 21. 20000-21000 22. 21000-22000 23. 22000-23000 24. 23000-24000 25. 24000-25000 26. 25000-26000 27. 26000-27000 28. 27000-28000 29. 28000-29000 30. 29000-30000 31. 30000-31000 32. 31000-32000 33. 32000-33000 34. 33000-34000 35. 34000-35000 36. 35000-36000 37. 36000-37000 38. 37000-38000 39. 38000-39000 40. 39000-40000 41. 40000-41000 42. 41000-42000 43. 42000-43000 44. 43000-44000 45. 44000-45000 46. 45000-46000 47. 46000-47000 48. 47000-48000 49. 48000-49000 50. 49000-50000 51. 50000-51000 52. 51000-52000 53. 52000-53000 54. 53000-54000 55. 54000-55000 56. 55000-56000 57. 56000-57000 58. 57000-58000 59. 58000-59000 60. 59000-60000 61. 60000-61000 62. 61000-62000 63. 62000-63000 64. 63000-64000 65. 64000-65000 66. 65000-66000 67. 66000-67000 68. 67000-68000 69. 68000-69000 70. 69000-70000 71. 70000-71000 72. 71000-72000 73. 72000-73000 74. 73000-74000 75. 74000-75000 76. 75000-76000 77. 76000-77000 78. 77000-78000 79. 78000-79000 80. 79000-80000 81. 80000-81000 82. 81000-82000 83. 82000-83000 84. 83000-84000 85. 84000-85000 86. 85000-86000 87. 86000-87000 88. 87000-88000 89. 88000-89000 90. 89000-90000 91. 90000-91000 92. 91000-92000 93. 92000-93000 94. 93000-94000 95. 94000-95000 96. 95000-96000 97. 96000-97000 98. 97000-98000 99. 98000-99000 100. 99000-100000



A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares.

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Hugh McMillan Address Box 1612, El Paso, Texas
 Lessor or Tract Hall Field Undesignated State New Mexico
 Well No. 1 Sec. 33 T. 25 N. R. 3 W. Meridian N. P. M. County Rio Arriba
 Location 1850 ft. N. of 240 Line and 790 ft. E. of 4 Line of Sec. 33 Elevation _____
 (S.) (W.) (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 Jay J. Morris

Date ~~October 22, 1957~~

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

Commenced drilling ~~2-25~~ 2-25, 1957 Finished drilling ~~3-18~~ 3-18, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3434 to 3470 G No. 4, from _____ to _____
 No. 2, from 3503 to 3512 G No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
8 5/8"	36	8	J-55		Halliburton				Surface
5 1/2"	10.5	8	J-55		Halliburton				Reprod

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	102	150	Halliburton		
5-1/2"	350	200	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 3550 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

3-30 _____, 1957 Put to producing _____, 19_____

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

If gas well, cu. ft. per 24 hours 1700 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 Empire States _____, Driller _____, Driller

FORMATION RECORD

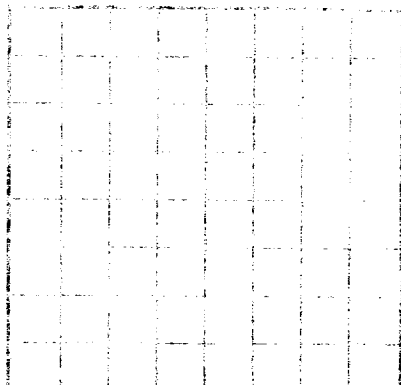
FROM—	TO—	TOTAL FEET	FORMATION
3433	3512	79	Sand (Pictured Cliffs

A circular ink stamp is located in the lower right quadrant of the page. The word "RECEIVED" is arched across the top. Below it, the date "OCT 28 1957" is stamped. At the bottom, the text "OIL CON. COM." and "DIST." are visible, though partially obscured.



LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company _____
Location or tract _____
Section _____ Township _____ Range _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all reliable records.
Signed _____
The company on this page is for the location of the well and the work done thereon.
(Transmitted nothing)

OIL AND GAS RENTS OR ROYALTIES

Not reported _____
Not reported _____
Not reported _____

Spent for 7 days, well tested 47000 yards after 3 hours.
No casing tubing was run to 3512 and well swabbed in. After being
of water and 50,000 lb of sand, using 6 Halliburton pump trucks.
The 3503 to 3512. It was sand water saturated with 50,000 gallons
pipe was perforated with 4 shots per foot from 3433 to 3470 and

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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", of 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 OIL OR GAS WELL

10-43004-2 U. S. GOVERNMENT PRINTING OFFICE

WELL LOG

FROM-	TO-	TOTAL FEET	FORMATION
SHOOTING RECORD			
Size	Shot used	Effective foot	Quantity
PLUGS AND BRIDGES			
Flowing plug—Material _____			
Adapters—Material _____			
Length _____			
Depth set _____			
MINING AND OPERATING RECORD			
Time	Work done	Amount of material used	Kind and quantity
Amount of fluid used _____			

