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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Gulf Oil Corporation

Company _____

Address _____

Lessors or Tracts _____

Well No. **9** **17** **24N** **5W** Meridian _____

Location **990** ft. **N.** of _____ Line and **990** ft. **W.** of _____ Line of _____ Section **17** _____ County _____ State **New Mexico**

Elevation **6548'**

(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of all work done thereon so far as can be determined from all available records.

Signed _____

Date **December 9, 1960**

Title **Area Production Manager**

ORIGINAL SIGNED
By: T. A. TRAX

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

Commenced drilling	9-4	1960	Finished drilling	9-21	1960
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OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <u>2231</u> to <u>2346</u> (G) No. 2, from <u>5512</u> to <u>5628</u> No. 3, from <u>6636</u> to <u>6692</u> (G)	No. 4, from _____ to _____ No. 5, from _____ to _____ No. 6, from _____ to _____
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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	24	8	SS	220.79	Guide		6608	6608	Surface
5-1/2	(15.5)	8	SS	799	Guide &		5514	5528	Production
	(14)	8	SS	603	Control		5534	5554	"
	(15.5)	8	SS	45	Collar		5586	5614	"
							5620	5626	"

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	236'	175	Pump & Plug		
5-1/2	Cen in 2	stages: 1st stage around shoe w/222 sx cem.			Plug to 6786'
.		2nd stage thru Baker stage collar at			2467' w/125 sx cem

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from **Surface** ----- feet to **TD** ----- feet, and from ----- feet to ----- feet.

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

DATES

Waiting for gas connection to produce gas and condensate from Dakota	19	Oil from Gallup	Put to producing	November 9	1960
The production for the first 24 hours was	12	barrels of fluid of which	100	% was oil;	%
emulsion	% water; and	% sediment.	Gravity, °Bé.		
Trace			Gallons gasoline per 1,000 cu. ft. of gas		
If gas well, cu. ft. per 24 hours	2040				
Rock pressure, lbs. per sq. in.	2752				

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION	
TD 6870'	PBTD 6786'		E-LOG TOPS: Pic Cliffs 2231' 3rd Gallup 5672' LaVentana 3062 Green Horn 6430 Cliff House 3756 Graneros 6502 Pt. Lookout 4414 Dakota 6638 1st Gallup 5514 Morrison 6822	
t perf Dakota 6638'-6692', 216 holes pumped into csg, after displacing wtr in hole w/1% cl wtr and spotting 250 gal of breakdown acid in bottom. Press broke from 2500* to 000*. Fraced w/56000 gal of 1% ca cl wtr w/5* of J-98 per 1000 gal and 50000* of 20/40. W/29000 gal in hole injected 20 sealer balls. Max treating pressure 2800* @44 bpm. n 2500* @46 bpm. Instant SIP 2000*; 10 min 1500*. Swabbed and tested. Cleaned out sd, aded hole w/wtr treated w/M-38. Pulled tbg, set Baker Model 9 Production packer expendable plug @5650'.				
t perf Gallup 5514'-28', 56 holes. 5534'-54', 80 holes. 5586'-5614', 112 holes. 5620'-26' 24 holes. Frac thru csg w/20,000 gal water treated w/1/10% M-38 and 1/10% J-98 and ,000* of 10/20 sand. Treating press 2200* @50 bpm. Max press 3500*. Swabbed, fl and sted. Ran 2-1/16" tbg for Gallup production; btm of tbg set in Baker anchor @5509' 7000* tension. Ran 2-1/16" tbg for Dakota, btm set @6612' w/3000* tension. Tested. atic BHP on Dakota 2752* after 86 hrs. CAOP 2040 MCF. Rates as follows:				
<u>Choke</u>	<u>TP</u>	<u>BHP</u>	<u>MCF RATE</u>	<u>TIME</u>
3/16	1893	2342	1777	4 hrs
7/32	1735	2145	2255	"
1/4	1338	1808	2237	"
5/16	715	1245	1660	"
en flow, based on last rate. Gallup pumped 12 BO, trace of wtr, 24 hrs. Gas 40,000 cf. 300*				

Y. T. E. 401-1156-1

ORIGINAL SIGNATURE

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, 2679, 26

EX-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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FORMATION