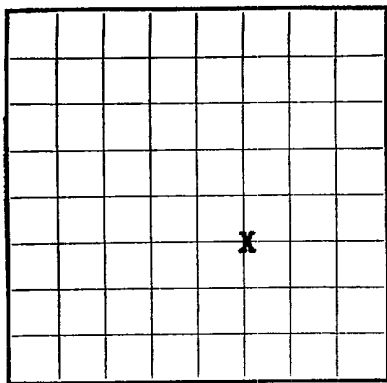


U. S. LAND OFFICE Artesia
SERIAL NUMBER 031713
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company TEXACO Inc. Address P. O. Box 728 - Hobbs, New Mexico
Lessor or Tract G. M. Cone Federal Field Wildcat State New Mexico
Well No. 1 Sec. 23 T. 15S R. 29E Meridian NMPM County Chaves
Location 1980 ft. N of S Line and 1980 ft. W of E Line of Section 23 Elevation 3942
(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 _____

Date December 13, 1961 Title Assistant District Superintendent

The summary on this page is for the condition of the well at above date.
Commenced drilling September 8, 1961 Finished drilling November 29, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____
Drilled with rotary tools and no water sands tested.

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—	
13 3/8"	48.00	8-R	H-40	454'	Howco	None	None	None	Surface
9 5/8"	32.36	8-R	I-55	2870'	Howco	None	None	None	Intermediate

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	472'	600	Howco		
9 5/8"	2888'	1000	Howco		

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

TOOLS USED

Rotary tools were used from 0 feet to 12,166 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 12, 1961 Put to producing Dry, 19____

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

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. B. McDonald, Driller E. B. Allen, Driller
B. J. Wright, Driller M. E. Porter, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	300	300	Caliche
300	462	162	Top of Anhy
462	1,023	561	Top of Salt
1,023	1,187	164	Btm of Salt
1,187	2,605	1418	Top of Yates
2,605	4,060	1455	Top of San Andres
4,060	5,382	1322	Top of Glorieta
5,382	6,155	773	Top of Tubb
6,155	7,495	1340	Top of Abo
7,495	9,689	2194	Top of Wolfcamp XX
9,689	10,200	511	Top of Atoka
10,200	10,435	235	Top of Upper Missippian
10,435	10,985	550	Top of Lower Missippian
10,985	11,525	540	Top of Fusselman
11,525	11,925	400	Top of Montoya
11,925	11,992	67	Top of Simpson
11,992	12,166	174	Top of Ellenburger
Total Depth		12,166	

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All measurements from rotary table or 12' above ground level.

Estimate No. 7435

1 - USGS
1 - NMOC
1 - Jake L. Hamon
1 - Division
1 - Field
1 - File

(OVER)

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

REF ID: A66362

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(0 no cop. 1986)

[illegible]

REPORT WATER SANDS

(a) $\frac{1}{2} \times 10^{-10} \text{ m}$ (b) $1.5 \times 10^{-10} \text{ m}$
 (c) $1.5 \times 10^{-10} \text{ m}$ (d) $1.5 \times 10^{-10} \text{ m}$

090239 24 JAN 87

See Attached Sheet

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 or shots.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible][illegible]

FORMATION RECORD—Continued

1990

G. M. CONE FEDERAL WELL NO. 1

Spudded 17 1/2" hole 5:00 a.m. September 8, 1961. Ran 454' of 13 3/8" O.D. casing and cemented at 472' with 400 sx. 4% Gel. Incor. and 200 sx regular, cement circulated. Plug at 472'. Tested before and after drilling plug for 30 minutes with 600 PSI. Tested O.K. Job complete 7:30 p.m. September 10, 1961.

Ran 2870' of 9 5/8" O.D. casing and cemented at 2888' with 800 sx Incor. and 200 sx regular. Plug at 2848'. Tested before and after drilling plug for 30 minutes with 1000 PSI. Tested O.K. Job complete 5:30 p.m. September 17, 1961.

DST No. 1, 8618' to 8662', tool open one (1) hr. with weak blo for 4 minutes and died. Recovered 170' SGCDM. 30-MISIP-200, 30-MFSIP-125, IFP-700, FFP-70, HI & HO-4170. Job complete 11:00 a.m. October 18, 1961.

DST No. 2, 10,920' to 10,964', tool open one (1) hr. with no blow. Recovered 30'DM. No show. 30-MI & FSIP-31, I & FFP-31, HI & HO-5285. Job complete 11:30 a.m. November 10, 1961.

DST No. 3, 10,955' to 10,998', tool open two (2) hrs with weak blo continuing thru out test. No oil or gas to surface. Recovered 1170' salty sulphur wtr, and 60' WCDM. 40-MISIP-4425, 30-MFSIP-4010, IFP-70, FFP-655, HI & HO-5400. Job complete 1:00 p.m. November 12, 1961.

DST No. 4, 11,430' to 11,649', tool open two (2) hrs, recovered 1000' WB, 8789' salty sulphur water, 30-MISIP-4600, IFP-2890, FFP-4650, 30-MFSIP-4650, HI-5580, HO-5470. Job complete 7:30 a.m. November 18, 1961.

DST No. 5, 11,760' to 11,825', tool open one (1) hr., no blow, recovered 1700' WB and 5' DM, 30-MI & FSIP-40, I & FFP-40, HI & HO-5764. Job complete 2:30 p.m. November 22, 1961.

DST No. 6, 11,824' to 11,920', tool open 1 1/2 hrs with weak blo thru out test. Recovered 1920' SGCWB with trace oil and 100' salty wtr, 370' SGCDM. 30-MISIP-4902, 30-MFSIP-4823, IFP-1048, FFP-1123, HI-5861, HO-5840. Job complete 2:30 p.m. November 24, 1961.

DST No. 7, 11,900' to 11,967', tool open 2 1/2 hrs with weak blo thru out test. Recovered 2000' GCWB, 200' DM & 50' SW. 30-MI & FSIP-4800, IFP-880, FFP-1130, HI-5890, HO-5870. Job complete 12:00 p.m. November 26, 1961.

DST No. 8, 11,990' to 12,166', tool open 30 minutes, no blow. Recovered 2200' WB, 120' DM, no show. 30-MISIP-4070', I & FFP-880, 30-MFSIP-4040, HI & HO-5935. Job complete 4:30 p.m. November 30, 1961.

Wireline Test No. 1, 8,533', recovered 1.55 cu ft gas, NS wtr, 2500 cc mud. Permability 0.1 to 1 milidarcys. 6% poro. 30-MI & FSIP-3460, HO-4370. Job complete 9:00 a.m. December 4, 1961.

Wireline Test No. 2, 8,507', recovered 1.85 cu ft gas, 25 cc formation water, 30-MISIP-2650, 30-MFSIP-50, HO-4400. Job complete 5:30 p.m. December 4, 1961.

Wireline Test No. 3, 8,482', tool open one (1) hr, recovered 1.32 cu ft gas, 2.5% wtr, 100 cc DM with trace oil. 30-MISIP-1280, 30-MFSIP-100, HO-4500. Job complete 6:20 p.m. December 6, 1961.

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SEE NEXT PAGE

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ARTESIA, NEW MEXICO

Verbal permission received to plug and abandon, 4:15 p.m. December 7, 1961.

1. Spot 30 sx cement, 11,742' to 11,842'
2. Spot 30 sx cement, 10,935' to 11,035'
3. Spot 30 sx cement, 10,150' to 10,250'
4. Spot 30 sx cement, 9,639' to 9,739'
5. Spot 60 sx cement, 8,400' to 8,600'
6. Spot 35 sx cement, 7,445' to 7,545'
7. Spot 35 sx cement, 6,105' to 6,205'
8. Spot 35 sx cement, 3,995' to 4,095'
9. Spot 35 sx cement, 2,838' to 2,938'
10. Install 40 sx cement surface plug, 4" marker extending 4' above ground level.

Clean location for inspection as per USGS regulations. Plug and abandon complete 10:30 a.m. December 8, 1961.

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DEC 20 1961

**U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**