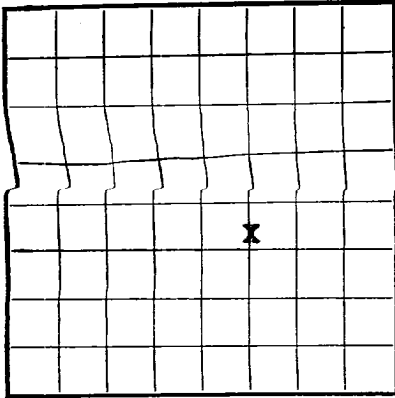


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC-064577-A
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
APR 11 1960
O. C. C.
ARTESIA, OFFICE**LOG OF OIL OR GAS WELL**Company Texaco Seaboard Inc. Address P. O. Box 352, Midland, Texas
Lessor or Tract B. I. Hanson Federal Field Shugart State New Mexico
Well No. 2 Sec. 3 T. 19-S R. 31-E Meridian NMPM County Eddy
Location 2310 ft. ^[N.]_[S.] of S. Line and 1980 ft. ^[E.]_[W.] of E. Line of Section 3 Elevation 3614 (DF)
(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]Date March 29, 1960 Title Assistant District Supt.

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

Commenced drilling March 1, 1960 Finished drilling March 13, 1960**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 3377 to 3383 No. 4, from 3616 to 3620
No. 2, from 3387 to 3392 No. 5, from 3642 to 3650
No. 3, from 3395 to 3404 No. 6, from _____ to _____

Drilled with rotary tools and no water sands tested.

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—	
8 5/8	24.00	8	J55	835'	Larkin	None	None	None	Surface
4 1/2	11.60	8	J55	3900'	Larkin	None	See	Above	Production
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	848'	550	Howco		
4 1/2	3900'	300	Howco		

PLUGS AND ADAPTERSHeaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USEDRotary tools were used from 0 feet to 3900 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet**DATES**March 29, 1960 Put to producing March 23, 1960The production for the first 24 hours was 85 barrels of fluid of which 82% was oil; _____%
emulsion; 18% water; and _____% sediment. Gravity, °Bé. 33.6

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEEST. E. Bingham, Driller W. J. Botkin, Driller
B. G. Campbell, Driller _____, Driller**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0	180	180	Caliche
180	850	670	Redbed & Anhy
850	907	57	Anhy
907	2305	1398	Anhy & Salt
2305	2874	569	Anhy & Gyp
2874	3900	1026	Lime
Total Depth	3900		
PBTD	3879		

All measurements from Rotary Table or 8' above ground level.

ESTIMATE 51294 - USGS
1 - NMOCC
1 - Field
1 - Division
1 - File720 Anhy
967 Top Salt
2296 Bottom Salt
2475 Yates
3367 Queen
3614 Ferrasse

[illegible]

LOCATE WELL CORRELATION

LEW RAD 90 110 70 301

CONTINUED

TREATMENT OF THE PATIENT

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

LEW RAD 90 110 70 301

1. Location - The location of the site is described in the following manner:
 2. Address - The address of the site is described in the following manner:
 3. Access - The access to the site is described in the following manner:
 4. Topography - The topography of the site is described in the following manner:
 5. Vegetation - The vegetation of the site is described in the following manner:
 6. Soils - The soils of the site are described in the following manner:
 7. Water - The water resources of the site are described in the following manner:
 8. Climate - The climate of the site is described in the following manner:
 9. Geology - The geology of the site is described in the following manner:
 10. Seismicity - The seismicity of the site is described in the following manner:
 11. Historical - The historical significance of the site is described in the following manner:
 12. Cultural - The cultural resources of the site are described in the following manner:
 13. Archaeological - The archaeological resources of the site are described in the following manner:
 14. Biological - The biological resources of the site are described in the following manner:
 15. Recreational - The recreational resources of the site are described in the following manner:
 16. Visual - The visual resources of the site are described in the following manner:
 17. Other - Other resources of the site are described in the following manner:

Shut in 32 hrs. Recover load oil and test.
On 24 hr PT test well pumped 70 BO and 15 BW. Gravity 33.6, Top of Pay 3377 Btm of Pay 3650. IMOC Date March 13, 1960, TEXACO Inc. Date - March 25, 1960.

Core No. 1 3614 to 3665 100% rec w/8" bleeding 0%
 Ran 3890, of 4-1/2" O.D. casing and cemented at 3900' with 300
 at 3879'. Tested before and after drilling plug with 1500 PSI.
 12-30 P.M., March 16, 1960. Perforate 4-1/2" O.D. casing with 2
 3337' to 3383', 3387 to 3392', 3395 to 3404', 3616 to 3620', and
 with 15,000 gals. refined oil and 30,000 lbs sand at 31' 3" from
 3642 to 3658', frac

Spudded the hole at 2:30 A.M., March 1, 1960. Ran 835' of 8-5/8" O.D. casing and cemented at 848' with 350' 6x 7/8 gal and 200' 6x regular. Plug at 815'. Tested before and after drilling plug with 800 PSI. Tested O.K. Job complete 6:30 P.M., March 3, 1960.

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 "struck", 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

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

FROM-	TO-	TOTAL FEET	FORMATION																																
Deviation Record Depth <table><tr><td>600'</td><td>1/4</td></tr><tr><td>810'</td><td>1/4</td></tr><tr><td>1205'</td><td>1/4</td></tr><tr><td>1606'</td><td>1</td></tr><tr><td>1790'</td><td>1 1/2</td></tr><tr><td>1883'</td><td>1 1/2</td></tr><tr><td>1975'</td><td>2</td></tr><tr><td>2076'</td><td>2</td></tr><tr><td>2254'</td><td>2</td></tr><tr><td>2316'</td><td>3</td></tr><tr><td>2440'</td><td>3</td></tr><tr><td>2745'</td><td>2 1/2</td></tr><tr><td>2935'</td><td>2</td></tr><tr><td>3182'</td><td>1 1/4</td></tr><tr><td>3492'</td><td>1 3/4</td></tr><tr><td>3900'</td><td>2</td></tr></table>				600'	1/4	810'	1/4	1205'	1/4	1606'	1	1790'	1 1/2	1883'	1 1/2	1975'	2	2076'	2	2254'	2	2316'	3	2440'	3	2745'	2 1/2	2935'	2	3182'	1 1/4	3492'	1 3/4	3900'	2
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FORMATION RECORD—Continued