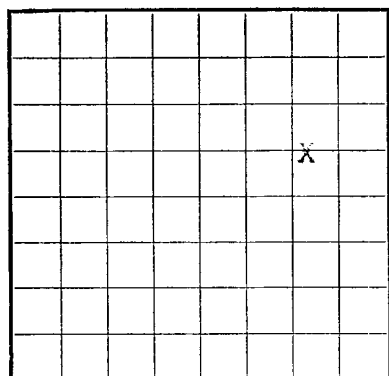


U. S. LAND OFFICE Las CrucesSERIAL NUMBER 33210

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company TOTALCO Inc. Address P.O. Box 720 - Hobbs, New Mexico
Lessor or Tract A. H. Blinney Tract-1 Field Drinkard State New Mexico
Well No. 12 Sec. 19 T22-SR, 1 Meridian NMPN County Lea
Location 1900 ft. N of 1 Line and 949 ft. E of 1 Line of Section 19 Elevation (-337) (Derrick floor relative to sea level) DS

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 October 3, 1961 Title Assistant District Superintendent

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

Commenced drilling August 3, 1961 Finished drilling September 1, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

See attached sheet
No. 1, from _____ 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 was used.

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—	
9 5/8	6:00	8R	J-55	1243	Howco	None	None	None	Surface
7	23:00	8R	J-55	6030	Howco	None	See	above	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	1299	700	Howco		
7	640	700	B&J Service		

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 _____ feet to 7200 feet, and from _____ feet to _____ feet

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

DATES

_____ October 3, 1961 Put to producing _____ September 29, 1961

The production for the first 24 hours was 120 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 41.0

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____ Roy Schuman _____, Driller _____ W. F. Young _____, Driller

_____ D. L. Green _____, Driller _____ _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	260	260	Callene
260	1122	862	Redbed
1122	1262	140	Redrock & Anny
1262	1299	37	Anhy
1299	2370	1070	Anny & Salt
2370	3701	1120	Anny & Gyp
3701	3703	2	Anny & Lime
3703	4071	368	Lime
4071	4230	158	Lime & Anhy
4230	6091	1861	Lime
6091	7070	179	Lime & Anny
7070	7200	130	Lime
Total Depth		7200	
Open Hole	6750 to 7200		Formation Tops
			Top of Anhy - 1262'
			Top of Salt - 1401'
			Btm of Salt - 2310'
			Top of Yates - 2600'
			Top of San Andres - 4020'
			Top of Glorieta - 5163'
			Top of Drinkard - 6417'
			Top of Blinney - 5590'
			Top of Tubas - 6137'
Estimate No. 7411			
4 - USGS			
1 - NMOCC			
1 - Division			
1 - File			
1 - Field			

(OVER)

500

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

See attached sheet

See attached sheet

the 1990s, the number of people in the world who are illiterate has declined from 750 million to 500 million. The number of people who are illiterate in the United States is 12 million. The number of people who are illiterate in the United Kingdom is 10 million. The number of people who are illiterate in the United States is 12 million. The number of people who are illiterate in the United Kingdom is 10 million.

2004.07.01 15:50 4 640

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

[illegible]

GEOLOGICAL BRIEF

DEVELOPMENT OF THE QUESTIONNAIRE

TABLE 1

THE UNIVERSITY OF CHICAGO

2004: 1195-1208

0-2 1972 09 302 117 11 100 100

71844 *Chrysomelidae: Chrysomelinae: Chrysomelini*.
1919. *Chrysomelidae of the United States*.
1919. *Chrysomelidae of the United States*.

WELL RECORD A. H. BLINEBRY NCT-1 WELL NO. 12

Spudded 12 1/2" hole 2:00 a.m. August 3, 1961. Ran 1283' of 9 5/8" O.D. casing and cemented at 1299' with 500 sx Reg, 4% Gel and 200 sx NEAT. Cement circulated. Plug at 1267'. Tested 9 5/8" O.D. casing before and after drilling cement plug for 30 minutes with 1000 PSI. Tested O.K. Job complete 8:00 a.m. August 6, 1961.

DST #1 5135' to 5185' tool open 2 hrs. w/ fair blow increasing to strong blow in 1 hr. No fluid to surface. Rec 260' O & GCM & 250' mud cut w/sul water. HI & HO 2735# ISIP 713# IFP 100# FFP 234# FSIP 368# Complete 9:30 a.m. 8-18-61.

DST #2 5590' to 5740' tool open 1 hr with weak blow thru out. No fluid to surface. Rec 500' DM. ISIP 220# IFP 122# FFP 155# FSIP 197# HI 3018# HO 3004# Complete 2:00 p.m. 8-21-61.

DST #3 6170' to 6300' tool open 2 hrs Gts in 7 minutes Rec 1350' O & GCM. ISIP 1350# IFP 350# FFP 385# FSIP 1665# HI & HO 3485# Complete 9:00 a.m. 8-26-61.

Ran 6838' of 7" O.D. casing and cemented at 6850' with 400 sx Incor. Plug at 6828'. Tested 7" O.D. casing before and after drilling cement plug for 30 minutes 1000 PSI. Tested O.K. Ran electric logs September 6, 1961.

DRINKARD ZONE:

Acidize open hole 6850' to 7200' with 9000 gals LST NEA.

BLINEBRY ZONE:

Perforate 7" O.D. casing 5591' to 5597', 5602' to 5617', 5622' to 5631', 5634' to 5649', and 5664' to 5691' with 1 shot per 3'. Acidize with 5000 gals LST NEA in 2 stages with 250# Napthalene between stages. Frac with 20,000 gals ref oil and 30,000# sand.

PADDOCK ZONE:

Perforate 7" O.D. casing 5168' to 5174' with 1 jet shot per 3'. Acidize with 250 gals LST NEA. Re-acidize with 1500 gals LST NEA. Squeeze with 75 sx Incor NEAT with LWL and retarder additives. Stage 2 the same vol and type cement. Stage 3 with 75 sx Incor NEAT with 70# LWL and 14# retarder additives. Perforate 7" casing with 2 jet shots per ft. 5168' to 5174'. Acidize with 500 gals LST NEA. Swab dry. Re-acidize with 1500 gals LST NEA. Swab dry. Squeeze with 150 sx Incor NEAT.

DRINKARD ZONE TEST:

On 16 hr Potential Test ending 11:00 p.m. October 1, 1961 well flowed thru 14/64" choke 120 BO and no water.

GOR - 900

Gravity - 33.0

Top of Pay - 6850'

Btm of Pay - 7200'

USGS Date - September 1, 1961

TEXACO Inc. Date - October 1, 1961.

BLINEBRY ZONE TEST:

On 4 hr Potential Test ending 5:00 p.m. September 29, 1961 well flowed thru 18/64" choke 88 BO and no water.

GOR - 2382

Gravity - 41.0

Top of Pay - 5591'

Btm of Pay - 5691'

USGS Date - September 1, 1961

TEXACO Inc. Date - September 29, 1961