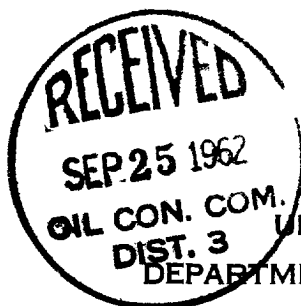


Section 5

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.U. S. LAND OFFICE New MexicoSERIAL NUMBER 87080312A

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

SEP 25 1962

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Standard Oil Company of Texas,
A Division of California Oil Company Address Dresser "S", Monahans, TexasLessor or Tract Inter 5 Field Puerto-Chiquito State New MexicoWell No. 1 Sec 5 T 24N R. 1E Meridian NPM County Rio ArribaLocation 1650 ft. NE of N Line and 990 ft. NE of E Line of Section 5 Elevation 7034
(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 J. L. RowlandDate September 20, 1962 Title District Engineer

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

Commenced drilling Aug 29, 1962 Finished drilling Aug 30, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1816 to 2780 T.D. No. 4, from --- to ---No. 2, from --- to --- No. 5, from --- to ---No. 3, from --- to --- No. 6, from --- to ---

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—	
7"	20 1/2	8.00	Ray	752'	Open	None	---	---	Water shot-
4 1/2"	9.3 1/2	8.00	Ray	2553'	Open	None	260	2553	To keep hole
2-3/8"	4.7	8 round	Ray	2553'	Open	None	---	---	from casing
									Production
									Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	752'	225	Plug	---	---
4 1/2"	2553'	2 open hole packers	---	---	---

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 2780 T.D. feet, and from --- feet to --- feetCable tools were used from --- feet to --- feet, and from --- feet to --- feet

DATES

September 20, 1962 Put to producing September 14, 1962The production for the first 24 hours was 35 barrels of fluid of which 100 % was oil; --- %
emulsion; --- % water; and --- % sediment. Gravity, °Bé. 32.8If gas well, cu. ft. per 24 hours --- Gallons gasoline per 1,000 cu. ft. of gas ---Rock pressure, lbs. per sq. in. ---

EMPLOYEES

B. R. Day, Driller B. O. Talent, DrillerJ. E. Mortman, Driller Wayne Hutton, Driller

Drilling Foreman

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surf	500	500	Gray, shale
500	830	330	Fine-medium grained sand & black gray shale
830	2640	1810	Black-gray, silty shale
2640	2780	140	Gray, calcareous shale
			TOPS:
		Point Lockhart	508
		Mancos	710
		Gallup	1816
		Sanabete	2333
		Greenhorn	2629
		Graneros	2690

Y 410 207 01 - 11

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 07-11-2013 BY 60322

05-11-2005 12:55

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 reworking, 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.

Drilled well, 12:00 noon, 6-23-62. Filled 8-3/4" hole to 753 feet. Run and cemented 55 ex cement to surface. 9:00 AM, 6-23-62. After

Cemented 19 hours, tested 7" casing to 1000 feet for 30 minutes, OK. Filled 6-3/4" hole to total depth of 2700 feet with air. Run logs. Reworked interval 2577-62 feet with two jets per foot. Run 2543 feet of 4 1/2", 9-5/16", J-35, EHC, HW, casing and landed at 2553 feet. Blotted interval is 2460 to 2553 feet. Two open-hole pumps were set at 2533 and 1951 feet. Reworked selected intervals, 2470-2533 with two jets per foot. Fracture treated annulus formation with 900 barrels crude oil, no sand, and 1000 pounds worth pills. Run tubing, pump & rods. Placed well on production, 7419-62. Recommended lease oil (total amount) on August 30, 1962. On August 30, 1962, set bottom plug at 2147. Reworked casing formation at intervals 1810-20, 1808-73, 1819-91 with one crack jet and one conventional jet per foot. Fracture treated casing from 4 1/2" casing with 686 barrels crude oil, no sand. Filled in legs plug from 2147. Landed 2-3/8" tubing at 2509 feet. Run rods and placed in pump 9-1-62. Reworked lease oil on September 14, 1962. On potential test, 9-15-62, will pumped 35 barrels of oil, no water in 24 hours. GOR of 302 cubic feet per day. Density 32.8 degrees.

HISTORY OF OIL OR GAS WELL

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

FROM-	TO-	TOTAL FEET	FORMATION
			FORMATION REGIONAL UNIT DIVERS DATA TOOLS USED SHOOTING RECORDS SUBJECT'S STATE WATER IN HANDLES

FORMATION RECORD—Continued