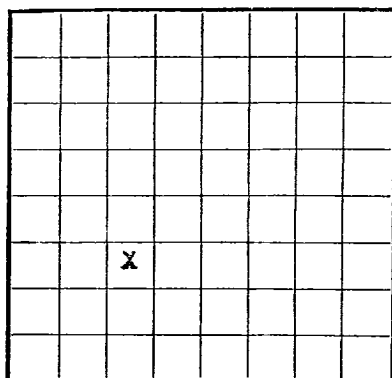


U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
 Lessor or Tract San Juan 28-7 Unit Field Blanco State New Mexico
 Well No. 61 Sec. 10 T. 28N R. 7W Meridian NMPM County Rio Arriba
 Location 1550 ft. (N.) of 3 Line and 1650 ft. (E.) of W Line of Section 10 Elevation 6679'

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 Carol M. Walsh

Date October 16, 1956 Signed [Signature] Title Petroleum Engineer

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

Commenced drilling 7-4-56, 1956 Finished drilling 7-15-56, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)			
No. 1, from	3388	to	3456 (G)
No. 2, from	5025	to	5172 (G)
No. 3, from	5172	to	5560 (G)
No. 4, from	5560	to	5661 (G)
No. 5, from		to	
No. 6, from		to	

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4'	177'	125	Circulated		
7 5/8'	3485'	250	Single Stage		
5 1/2'	5750'	300	Single Stage		

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
		See Well History.				

TOOLS USED

Gas Drilled

Rotary tools were used from 0 feet to 3485 feet, and from 3485 feet to 5750 feet

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

DATES

7-21-56, 19 Put to producing, 19

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

If gas well, cu. ft. per 24 hours 4,965,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. -----1059-----

EMPLOYEES

_____, Driller _____ Driller

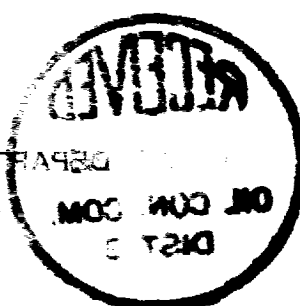
_____, Driller _____ Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2446	2446	Tan to gry cr-grn ss interbedded w/gry sh.
2446	2627	181	Ojo Alamo ss. White cr-grn s.
2627	3125	498	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3125	3368	263	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3388	3456	68	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3456	5025	1569	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5025	5172	147	Cliff House ss. Gry, fine-grn, dense sil ss.
5172	5560	388	Menefee form. Gry, fine-grn s, carb sh & coal.
5560	5681	121	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5681	5750	69	Mancos formation. Gry carb sh.

...the fact that the *in vitro* and *in vivo* results are in good agreement, and that the *in vivo* results are in good agreement with the results of the *in vitro* studies.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



A blank sheet of graph paper with a grid pattern. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 20 rows of squares. The paper has a slightly aged or off-white appearance.

LOG OF OIL OR GAS WELL

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

The first of these is the fact that the *Journal* is a very important source of information for the study of the history of the United States. It is a very important source of information for the study of the history of the United States.

7-19-56 Temp. B.F. 52.5°. Water fractured cliff House thru part. 5020-5030, 50
9030, 5116-5125, 5134-5145 & 5160-5172 (4 in./in.) with 51,000 gallons water &
56,000/ send. BOR none, max. pr. 2250', avg. tr. pr. 1900'. I.R. 44.5 BFM.

7-19-50 Temp. B.P. @ 5000'. Water fractured U. Joint lookout thru part. 5555-5
(4 sp./ft.) with 50,000 gallons water & 60,000# sand. ROP 2000', max. pr. 2000
AVG. tr. pr. 1800'. I.R. 32.8 BPM. Flush 4280 gallons. No natural gas.

(The ship/tr.) with 49,836 gallons water & 60,000 sand. Not 2000/1, max. pr. 2000 tr. pr. 1800/. I.R. 55.5 BFM. Flush 8000 Gallons. No natural gas.

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 ~~date~~ of material used, position, and results of pumping or being pumped.

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

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157-114

FORMATION RECORD—Continued