

U. S. LAND OFFICE ----- SF
SERIAL NUMBER ----- 578897
LEASE OR PERMIT TO PROSPECT -----

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

ILLEGIBLE

OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1560, Farmington, New Mexico
Lessor or Tract Western Pool Unit Field East Dakota State New Mexico
Well No. 1-D Sec. 18 T. 24N R. 11W Meridian NMPM County San Juan
Location 390 ft. S. of N. Line and 390 ft. W. of E. Line of Section 18 Elevation 6137

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 _____ ORIGINAL SIGNED BY: JOHN J. STROJEK

Date August 1, 1961 Title Petroleum Engineer

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

Commenced drilling May 15 19 61 Finished drilling May 29 19 61

OIL OR GAS SANDS OR ZONES

(Denote not by $\mathcal{O}$)

No. 1, from _____ to _____ 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 5954 to 6002 No. 3, from _____ to _____
No. 2, 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
9-5/8"	173'	175	Pump-Plug		
5-1/2"	6189'	250	Pump-Plug		
		300 Squeezing			

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

Rotary tools were used from 0 feet to 6190 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----, 19----- Put to producing ----- **T/A** ----- 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
310	443	133	Ojo Alamo: White, coarse grained sand.
443	1134	691	Kirtland: Gy. sh. lobl. with tight gy. FG ss.
1134	1374	240	Fruitland: Gy. carb. sh., scat. coals, coals and gy. tight FG ss.
1374	1533	159	Pictured Cliffs: Gy., FG, tight, varicolored soft ss
1533	2260	727	Lewis: Gy. to white ds. sh. w/silty to shaly ss. breaks.
2260	3867	1607	Mesa Verde: Gy., FG, ds. silty ss., carb. shale and coal.
3867	4105	238	Point Lookout: Gy., v/fn. silty ss. w/irreg. sh.brks
4105	4950	845	Mancos: Gy. carb. shale.
4950	5830	880	Gallup: Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
5830	5885	55	Greenhorn: Highly calc. gy. sh. w/thin ls.
5885	5985	100	Graneros: Dk. gy. sh., fossil & carb. w/pyrite inclusion.
5985	6160	175	Dakota: Lt. to dk. gy. foss. carb. sl/calc. sl/silty ss w/pyrite inclusion, thin sh. bands clay and shale breaks.
6160	6189	29	Morrison: lobl. gn. brn. and red waxy sh. & fn.
FROM—	TO—	TOTAL FEET	FORMATION

**TOPS ARE FROM ELECTRIC LOGS
AND RADIOACTIVITY LOGS.**

FORMATION RECORD—Continued

MUDLOGGING AND CEMENTING RECORD			
DATE	TIME	DEPTH (FEET)	REMARKS
1944	10:00	100	Drilling started
1944	10:15	150	Drilling continued
1944	10:30	200	Drilling continued
1944	10:45	250	Drilling continued
1944	11:00	300	Drilling continued
1944	11:15	350	Drilling continued
1944	11:30	400	Drilling continued
1944	11:45	450	Drilling continued
1944	12:00	500	Drilling continued
1944	12:15	550	Drilling continued
1944	12:30	600	Drilling continued
1944	12:45	650	Drilling continued
1944	13:00	700	Drilling continued
1944	13:15	750	Drilling continued
1944	13:30	800	Drilling continued
1944	13:45	850	Drilling continued
1944	14:00	900	Drilling continued
1944	14:15	950	Drilling continued
1944	14:30	1000	Drilling continued
1944	14:45	1050	Drilling continued
1944	15:00	1100	Drilling continued
1944	15:15	1150	Drilling continued
1944	15:30	1200	Drilling continued
1944	15:45	1250	Drilling continued
1944	16:00	1300	Drilling continued
1944	16:15	1350	Drilling continued
1944	16:30	1400	Drilling continued
1944	16:45	1450	Drilling continued
1944	17:00	1500	Drilling continued
1944	17:15	1550	Drilling continued
1944	17:30	1600	Drilling continued
1944	17:45	1650	Drilling continued
1944	18:00	1700	Drilling continued
1944	18:15	1750	Drilling continued
1944	18:30	1800	Drilling continued
1944	18:45	1850	Drilling continued
1944	19:00	1900	Drilling continued
1944	19:15	1950	Drilling continued
1944	19:30	2000	Drilling continued
1944	19:45	2050	Drilling continued
1944	20:00	2100	Drilling continued
1944	20:15	2150	Drilling continued
1944	20:30	2200	Drilling continued
1944	20:45	2250	Drilling continued
1944	21:00	2300	Drilling continued
1944	21:15	2350	Drilling continued
1944	21:30	2400	Drilling continued
1944	21:45	2450	Drilling continued
1944	22:00	2500	Drilling continued
1944	22:15	2550	Drilling continued
1944	22:30	2600	Drilling continued
1944	22:45	2650	Drilling continued
1944	23:00	2700	Drilling continued
1944	23:15	2750	Drilling continued
1944	23:30	2800	Drilling continued
1944	23:45	2850	Drilling continued
1944	24:00	2900	Drilling continued
1944	24:15	2950	Drilling continued
1944	24:30	3000	Drilling continued
1944	24:45	3050	Drilling continued
1944	25:00	3100	Drilling continued
1944	25:15	3150	Drilling continued
1944	25:30	3200	Drilling continued
1944	25:45	3250	Drilling continued
1944	26:00	3300	Drilling continued
1944	26:15	3350	Drilling continued
1944	26:30	3400	Drilling continued
1944	26:45	3450	Drilling continued
1944	27:00	3500	Drilling continued
1944	27:15	3550	Drilling continued
1944	27:30	3600	Drilling continued
1944	27:45	3650	Drilling continued
1944	28:00	3700	Drilling continued
1944	28:15	3750	Drilling continued
1944	28:30	3800	Drilling continued
1944	28:45	3850	Drilling continued
1944	29:00	3900	Drilling continued
1944	29:15	3950	Drilling continued
1944	29:30	4000	Drilling continued
1944	29:45	4050	Drilling continued
1944	30:00	4100	Drilling continued
1944	30:15	4150	Drilling continued
1944	30:30	4200	Drilling continued
1944	30:45	4250	Drilling continued
1944	31:00	4300	Drilling continued
1944	31:15	4350	Drilling

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 testing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

S-16-01
Total Depth 180'. Run & joints 9-5/8". 36.00¢ J-SS casing (162.60').
Commented with 125 watts regular. 2% Cact - Circulated

Total Depth 180'. Run & joints 9-5/8", 36.000', J-55 casing (162.60').
 Set at 172.60'. Cemented with 425 sacks regular, 2% CaCl₂ circulated
 to surface. IMPORTANT WATER BANDS

TOTAL DEPT 6190. Man 140 joined, 5-1/2, 15.50#, J-55 casing
 (6175.30) set at 6189.05' with 250 sacks 50/50 Diment. 2% Gel. 25#/sk.
 GILSONITE. OIL OR GAS SANDS OR ZONES.

10

with 47,850 gals. crude and 50,000 (30-40) and. Finished with 6300 gals. crude. Mkt. T.P. 3200 net. AVE 3100 net. Net 1630 net.

ORIGINAL SIGNED BY: JUNE 1, 1963

5984-5002, with 100 sacks neat cement.

[illegible]

UNITED STATES DEPARTMENT OF JUSTICE

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

NEW AT OIL OR GAS WELL

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