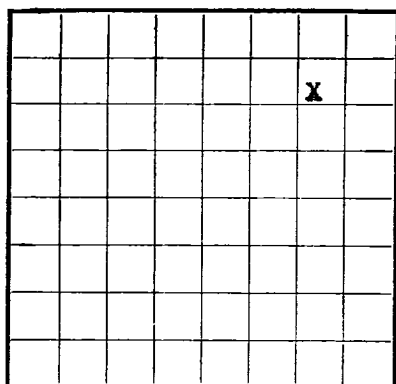




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **080112**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Riddle** Field **Blanco & Aztec** P.C. Ext. **New Mexico**
Well No. **3-F(PM)** Sec. **20** T. **28N** R. **3W** Meridian **N.M.P.M.** County **San Juan**
Location **1150** ft. **XX** of **N.** Line and **1131.8** **XX** of **E.** Line of **Section 20** Elevation **5996'**
(Derriek 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 **Original Signed D. C. Johnston**Date **October 22, 1957** Title **Petroleum Engineer**

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

Commenced drilling **9-8-**, 19**57** Finished drilling **9-17**, 19**57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2425** to **2487 (G)** No. 4, from **4618** to **4830 (G)**
No. 2, from **4076** to **4108 (G)** No. 5, from **4108** to **4618 (G)**
No. 3, from **4108** to **4618 (G)** No. 6, from **4618** to **4830 (G)**

IMPORTANT WATER SANDS

No. 1, from **2425** to **2487** No. 3, from **4108** to **4618**
No. 2, from **4076** to **4108** No. 4, from **4108** to **4618**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4	32.75	8	P. E.	162'	Howson				Surface
7 5/8	25.69	8	M.	2569'	Baker				Prod. Cag.
5 1/2	15.7	8	M.	2350'	Baker				Prod. Cag.
2"	4.7	8	Rd.	435'	Howson				Prod. Tubing
1 1/4"	2.3	8	Rd.	2434'	Howson				Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	175'	150	Circulated		
7 5/8	2569'	300	Single Stage		
5 1/2	2511-4831	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size **Baker "33" Pkr. at 2617'.**

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 **2570** feet, and from **2570** feet to **4840** feet

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

DATES

_____ **9-26** _____, 19**57** Put to producing _____, 19**57**

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 **P.C. 1,684,000** Gallons gasoline per 1,000 cu. ft. of gas _____
M.V. 4,656,000Rock pressure, lbs. per sq. in. **1073 (MV)** A.O.P. = **P.C. 1727** MCF/D
M.V. 7221

EMPLOYEES

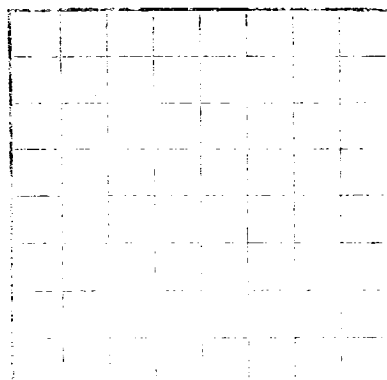
_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1354	1354	Tan to gry cr-grn ss interbedded w/gry sh.
1354	1513	159	Ojo Alamo ss. White cr-grn s.
1513	2131	618	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2131	2425	294	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2425	2487	62	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2487	4076	1589	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4076	4108	32	Cliff House ss. Gry, fine-grn, dense sil ss.
4108	4618	510	Menefee form. Gry, fine-grn s, carb sh & coal.
4618	4830	212	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4830	4840	10	Mancos formation. Gry carb sh.

TOP OF OR CAR WITH



DATE / 01 / 01

The information contained herein can be furnished to all persons without restriction.

Classified by [redacted] on [redacted]

DECLASSIFICATION AUTHORITY: 25 USC 552

114. 1990-1991, 1992-1993, 1994-1995, 1996-1997, 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, 2678-2679, 2680-2681, 2682-2683, 2684-2685, 2686-2687, 2688-2689, 2690-2691, 2692-2693, 2694-2695, 2696-2697, 2698-2699, 2700-2701, 2702-2703, 2704-2705, 2706-2707, 2708-2709, 2710-2711, 2712-2713, 2714-2715, 2716-2717, 2718-2719, 2720-2721, 2722-2723, 2724-2725, 2726-2727, 2728-2729, 2730-2731, 2732-

Q: "What is the purpose of the study?"

dropped 1 set of 60 balls.

Part. P. T. 4700-40; 4664-84; 4620-40. Treated w/50,000 gal. water, 50,000# sand; flushed w/8600 gal. water. Max. pr. 3000 psi, tr. pr. 1200, 1400, 2800 psi. Dropped 2 sets of 54 balls each. Set Baker Bridge 400'.
 Part. C. H. 4076-4108 w/ 2 Koneshot/lt. Treated w/49,500 gal. water, 60,000# sand. Flushed w/7500 gal. water. Max. pr. 1650 psi, tr. pr. 1550 psi, in 57 RM. Set Baker Bridge plug at 2700'.
 Part. P. C. @ 2426-2444; 2410-16; 2362-98; w/2 Koneshot/lt. Treated w/37,000 gal. water, 40,000# sand. Flushed with 6000 gal. water. In 82 RM. Max. pr. 1200 psi, BD pr. 1300 psi; wgs. tr. pr. 1000, 850, 1100 psi. Dropped 1 set of 60 balls

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

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

[illegible]

FORMATION RECORD—Continued