

WELL RECORD

B.M.N.S. Company, Aztec, New Mexico

Copp Lease Well No. 1 in NW $\frac{1}{4}$ of Sec. 29, T. 30N R. 12W, N.M.P.M.

Field San Juan County.

Well is 1980 feet south of the North line and 330 feet East of the West line of Section 29.

If State land the oil and gas lease is No. ____ Assignment No. ____

If patented land the owner is Mrs. Minnie Copp, Address Aztec, New Mexico

If Government land the permittee is ____ Address ____

The Lessee is B.M.N.S.Co. Address, Aztec, N. M.

Drilling commenced 8-10-46 Drilling was completed 9-22-46

Name of drilling Contractor - L. G. Stearns, Address - Aztec, N. M.

Elevation above sea level at top of casing - 5633 feet

The information given is to be kept confidential until ____

OIL SANDS OR ZONES

No. 1, from 1711 to 1745 No. 4, from --- to ---

No. 2 from ---- to -- No. 5, from --- to ---

No. 3, from ---- to -- No. 6, from --- to ---

IMPORTANT WATER SANDS

Include date on rate of water inflow and elevation to which water rose in hole.

No. 1, from 190 to 210 feet

No. 2, from 973 to 982 feet

No. 3 from 1670 to 1677 feet

No. 4 from -- to --- feet

CASING RECORD

<u>Size</u>	<u>Weight per foot</u>	<u>Threads per inch</u>	<u>Make</u>	<u>Amount</u>	<u>Kind of Steel</u>	<u>Cut and Filled From</u>	<u>Perforated From To</u>	<u>Purpose</u>
10	40	8	JL	599	Texas			
8	28	10	"	1023	Common			
7	20	8	"	1330	Common			
6	15	8	"	1704	Common			

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MUDDING & CEMENTING RECORD

<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Where Set</u>	<u>No sacks of Cement</u>	<u>Method used</u>	<u>Mud Gravity</u>	<u>Amt. of Mud used</u>
7	5	1704	20	Halliburton		

PLUGS AND ADAPTERS

Heaving plug -- Material _____ Length _____ Depth Set _____

Adapters --p Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

<u>Size</u>	<u>Shell used</u>	<u>Explosive or Chemical used</u>	<u>Quantity</u>	<u>Date</u>	<u>Depth Shot or Treated</u>	<u>Depth Cleaned out</u>
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Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from _____ ft. to _____ ft. and from _____ ft. to _____ ft.

Cable tools were used from 0 _____ ft. to Bottom

PRODUCTION

Put to producing 10-19, 1946

The production of the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, Be _____

If gas well, cu. ft. per 24 hours 1,800,000 Gallons gasoline per 1,000 cu. ft. of gas _____ Rock pressure, lbs. per sq. in 585

EMPLOYEES

<u>James Sturdevant</u>	Driller	<u>Richard Rielley</u>	Driller
<u>Dewey Sherwin</u>	Driller		

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

1. <u>NAME OF THE PARTY</u>	2. <u>NAME OF THE PARTY</u>	3. <u>NAME OF THE PARTY</u>	4. <u>NAME OF THE PARTY</u>	5. <u>NAME OF THE PARTY</u>	6. <u>NAME OF THE PARTY</u>	7. <u>NAME OF THE PARTY</u>	8. <u>NAME OF THE PARTY</u>	9. <u>NAME OF THE PARTY</u>	10. <u>NAME OF THE PARTY</u>
11. <u>NAME OF THE PARTY</u>	12. <u>NAME OF THE PARTY</u>	13. <u>NAME OF THE PARTY</u>	14. <u>NAME OF THE PARTY</u>	15. <u>NAME OF THE PARTY</u>	16. <u>NAME OF THE PARTY</u>	17. <u>NAME OF THE PARTY</u>	18. <u>NAME OF THE PARTY</u>	19. <u>NAME OF THE PARTY</u>	20. <u>NAME OF THE PARTY</u>

1. What is the purpose of the study?
 The purpose of the study is to investigate the effect of a new teaching method on student performance.

2. What are the research questions?
 The research questions are: (a) Does the new teaching method improve student performance? (b) What factors influence the effectiveness of the new teaching method?

3. What is the significance of the study?
 The significance of the study is that it provides valuable insights into the effectiveness of the new teaching method, which can be used to improve student performance in other educational settings.

4. What are the limitations of the study?
 The limitations of the study are: (a) The sample size is small, which may limit the generalizability of the findings. (b) The study is a correlational study, which cannot establish causality.

5. What are the conclusions of the study?
 The conclusions of the study are: (a) The new teaching method has a positive effect on student performance. (b) The effectiveness of the new teaching method is influenced by several factors, including student motivation and teacher quality.

[illegible][illegible]

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$

16. How many times did you use the Internet in the last 12 months?

[illegible]

$\frac{d}{dt} \left(\frac{1}{2} m v^2 + U(r) \right) = \frac{d}{dt} \left(\frac{1}{2} m v^2 + \int_{r_0}^r F(r') dr' \right)$

[illegible]

1. The following information was obtained from the 1948 Census of the United States:

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

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

Training Period: 1961-1962

TITLE _____

FORMATION RECORD

<u>FROM</u>	<u>TO</u>	<u>THICKNESS IN FEET</u>	<u>FORMATION</u>
0	15		Surface
15	95		Sand rock yellow
95	110		Shale blue sandy 2 bailors water an hour
110	135		Shale gray
135	150		Sand 4 bailors water an hour
150	190		Shale gray sandy 6 bailors water
190	210		Sand gray hole full water
210	235		Sand gray hard
235	336		Alamo
336	350		Shale gray sandy
350	360		Shale blue
360	375		Shale gray
375	398		Shale blue
398	410		Shale gray sandy
410	433		Sand gray
433	436		Shale green
436	440		Shale brown
440	450		Shale gray sandy
450	462		Hard shell
462	473		Sand smell gas 470
473	480		Shale brown
480	490		Shale blue
490	495		Shale gray
495	498		Shale green
498	530		Shale gray
530	535		Shale brown
535	543		Sand
543	555		Shale green
555	603		Shale gray Ran 598'9" 10" casing
603	613		Sand gray
613	623		Shale blue
623	650		Shale green sandy
650	665		Sand Smell gas 650, Show oil 660, salt water 663
665	685		Shale gray
685	690		Sand
690	710		Shale gray
710	722		Sand
722	745		Shale gray sandy
745	755		Shale brown
755	855		Shale gray Gas 849, Small amount water 855
855	898		Shale blue
898	900		Hard shell
900	910		Shale brown
910	939		Shale gray
939	951		Sand
951	957		Shale gray sandy
957	959		Shell hard
959	965		Shale brown
965	970		Sand
970	973		Shell hard
973	982		Sand, Gas, oil 975, more water 976
982	993		Shale sandy gray 9 bailors water 5 gal. oil per run

FORMATION RECORD

<u>FROM</u>	<u>TO</u>	<u>FORMATION</u>
1000	1000	Sand
1000	1010	Shale gray sandy
1010	1050	Shale gray Ran 1023' 8" casing
1050	1059	Sand gray
1059	1075	Shale brown
1075	1089	Shale blue
1089	1106	Shale blue sandy
1106	1200	Shale gray
1200	1220	Shale blue
1220	1230	Shale sandy
1230	1235	Shale brown sandy
1235	1290	Shale gray
1290	1325	Shale blue
1325	1339	Shale brown ran 1330' 10" 7" casing to side track piece of jar rein
1339	1350	Shale green
1350	1370	Shale gray
1370	1437	Shale brown
1437	1448	Shale blue
1448	1460	Shale brown
1460	1475	Sand
1475	1484	Shale brown dark
1484	1485	Coal little water
1485	1495	Shale brown
1495	1503	Sand 2 bailors water per hour
1503	1513	Shale sandy brown
1513	1516	Coal
1516	1567	Shale brown
1567	1574	Shale blue
1574	1595	Shale gray
1595	1670	Shale brown Ran 1658' 6" 5" reaming it
1670	1677	Coal 6 bailors water
1677	1696	Shale blue Set pipe down
1696	1704	Sand gray
1704	1711	Shale blue 330,000 ft. gas
1711	1716	Sand gray 497,280 gas
1716	1720	554,400 gas
1720	1728	600,000
1728	1734	1,045,000
1734	1738	1,500,000
1738	1740	1,700,000
1740	1743	Shale blue
1743	1745	Shale blue
		Official Southern Union test 1,800,000 cu. ft. gas 585 lbs. pressure

