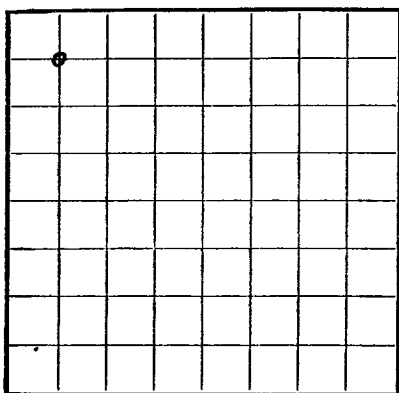




LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 04422
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company John H. Trigg Address P. O. Box 5629 Roswell, New Mexico
Lessor or Tract Federal "D" Lease Field L. Henshaw Grayburg State New Mexico
Well No. 2-17 Sec. 17 T. 16S R. 30E Meridian N.M.P.M. County Eddy
Location 660 ft. [N.] of [E.] Line and 660 ft. [W.] of [E.] Line of Section 17 Elevation 3776
(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 Hugh W. TriggDate March 28, 1957Title Geologist

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

Commenced drilling February 19, 19 57 Finished drilling March 19, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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 386 to 396 No. 3, from 2225 to 2240
No. 2, from 1995 to 2030 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—	
<u>8-5/8"</u>	<u>24#</u>		<u>J-55</u>	<u>572'</u>	<u>Texas Pattern</u>				
<u>7"</u>	<u>20#</u>		<u>J-55</u>	<u>2288'</u>	<u>Texas Pattern</u>	<u>All pulled</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>572'</u>	<u>75</u>	<u>Pump</u>		
<u>7"</u>	<u>2248'</u>	<u>Mudded</u>	<u>Pump</u>	<u>Heavy</u>	<u>10 sacks</u>

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 feet to feet, and from feet to feet
Cable tools were used from 0 feet to 2773 feet, and from feet to feet

DATES

Plugged and Abandoned
Put to producing March 20, 19 57The production for the first 24 hours was 0 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

G. B. Wood Driller C. B. O'Brien Driller
Frank Allen Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>20</u>	<u>20</u>	<u>Sand & Caliche</u>
<u>20</u>	<u>386</u>	<u>366</u>	<u>Sand & Shale</u>
<u>386</u>	<u>396</u>	<u>10</u>	<u>Water Sand</u>
<u>396</u>	<u>535</u>	<u>139</u>	<u>Anhydrite & Shale</u>
<u>535</u>	<u>572</u>	<u>37</u>	<u>Anhydrite & Salt</u>
<u>572</u>	<u>1035</u>	<u>463</u>	<u>Salt</u>
<u>1035</u>	<u>1275</u>	<u>240</u>	<u>Anhydrite & Shale</u>
<u>1275</u>	<u>1310</u>	<u>35</u>	<u>Anhydrite & Red Sand</u>
<u>1310</u>	<u>1775</u>	<u>465</u>	<u>Anhydrite</u>
<u>1775</u>	<u>1995</u>	<u>220</u>	<u>Anhydrite & Shale</u>
<u>1995</u>	<u>2005</u>	<u>10</u>	<u>Water Sand</u>
<u>2005</u>	<u>2025</u>	<u>20</u>	<u>Red Sand</u>
<u>2025</u>	<u>2190</u>	<u>165</u>	<u>Anhydrite & Shale</u>
<u>2190</u>	<u>2210</u>	<u>20</u>	<u>Broken Anhydrite</u>
<u>2210</u>	<u>2223</u>	<u>13</u>	<u>Gray Sand</u>
<u>2223</u>	<u>2240</u>	<u>17</u>	<u>Sand - V.S.S.O. 2223' - 30'</u>
<u>2240</u>	<u>2290</u>	<u>50</u>	<u>Anhydrite</u>
<u>2290</u>	<u>2305</u>	<u>15</u>	<u>Anhydrite & Shale</u>
<u>2305</u>	<u>2360</u>	<u>55</u>	<u>Anhydrite</u>
<u>2360</u>	<u>2420</u>	<u>60</u>	<u>Anhydrite & Shale</u>
<u>2420</u>	<u>2485</u>	<u>65</u>	<u>Anhydrite & Lime</u>
<u>2485</u>	<u>2575</u>	<u>90</u>	<u>Lime</u>
<u>2575</u>	<u>2610</u>	<u>35</u>	<u>Lime & Anhydrite</u>
<u>2610</u>	<u>2665</u>	<u>55</u>	<u>Anhydrite & Shale</u>
<u>2665</u>	<u>2682</u>	<u>17</u>	<u>Lime</u>
<u>2682</u>	<u>2723</u>	<u>41</u>	<u>Anhydrite, Red Sand & Shale</u>

[OVER]

001 007 10 20 30 40 50 60 70 80 90 100

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Y. H. HONG, L. H. JIANG

The minimum mean squared error is a complicated function of ρ and σ^2 and is not known in closed form. However, it can be shown that the minimum mean squared error is a decreasing function of ρ and an increasing function of σ^2 . This means that the minimum mean squared error is smaller for larger values of ρ and larger values of σ^2 . This is intuitive because a larger ρ means that the two variables are more correlated, and a larger σ^2 means that the noise is larger. Both of these factors would lead to a larger minimum mean squared error.

1980

1981

1. The first part of the document is a list of references. The references are as follows:

- 1. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1958, 51, 100.
- 2. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1959, 52, 100.
- 3. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1960, 53, 100.
- 4. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1961, 54, 100.
- 5. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1962, 55, 100.
- 6. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1963, 56, 100.
- 7. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1964, 57, 100.
- 8. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1965, 58, 100.
- 9. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1966, 59, 100.
- 10. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1967, 60, 100.
- 11. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1968, 61, 100.
- 12. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1969, 62, 100.
- 13. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1970, 63, 100.
- 14. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1971, 64, 100.
- 15. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1972, 65, 100.
- 16. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1973, 66, 100.
- 17. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1974, 67, 100.
- 18. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1975, 68, 100.
- 19. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1976, 69, 100.
- 20. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1977, 70, 100.
- 21. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1978, 71, 100.
- 22. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1979, 72, 100.
- 23. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1980, 73, 100.
- 24. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1981, 74, 100.
- 25. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1982, 75, 100.
- 26. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1983, 76, 100.
- 27. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1984, 77, 100.
- 28. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1985, 78, 100.
- 29. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1986, 79, 100.
- 30. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1987, 80, 100.
- 31. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1988, 81, 100.
- 32. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1989, 82, 100.
- 33. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1990, 83, 100.
- 34. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1991, 84, 100.
- 35. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1992, 85, 100.
- 36. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1993, 86, 100.
- 37. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1994, 87, 100.
- 38. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1995, 88, 100.
- 39. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1996, 89, 100.
- 40. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1997, 90, 100.
- 41. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1998, 91, 100.
- 42. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 1999, 92, 100.
- 43. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 2000, 93, 100.
- 44. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 2001, 94, 100.
- 45. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 2002, 95, 100.
- 46. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 2003, 96, 100.
- 47. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 2004, 97, 100.
- 48. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 2005, 98, 100.
- 49. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 2006, 99, 100.
- 50. J. H. D. Elstner, *Journal of the Royal Society of Medicine*, 2007, 100, 100.

POLYMER LETTERS

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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

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500-1000

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 balling.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
23	2733	10	lime
33	2757	24	lime & shale broken
57	2769	12	sand
59	2775	4	white lime