

U. S. LAND OFFICE New MexicoSERIAL NUMBER 04421

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

MAR 29 1962

O. C. C.
ARTESIA OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company John H. Trigg Address P. O. Box 320, Roswell, New MexicoLessor or Tract Federal "A" lease Field N. Square Lake State New MexicoWell No. 2-1 Sec. 3 T. 14S R. 31E Meridian N.M.P.M. County EddyLocation 1650 ft. N. of 2 Line and 1650 ft. W. of 1 Line of Section 3 Elevation 4296'
(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 John W. TriggDate March 1, 1962Title Geologist

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

Commenced drilling February 17, 1962 Finished drilling February 24, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3774 to 3781 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 _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ 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>2 5/8</u>	<u>24.0</u>	<u>10.5</u>	<u>CPI</u>	<u>100</u>	<u>100</u>	<u>3774</u>	<u>3774</u>	<u>3778</u>	
<u>4 1/2</u>	<u>11.0</u>	<u>10.5</u>	<u>CPI</u>	<u>200</u>	<u>100</u>	<u>3778</u>	<u>3778</u>	<u>3781</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>2 5/8</u>	<u>1013</u>	<u>100</u>	<u>Pump</u>		
<u>4 1/2</u>	<u>3812</u>	<u>200</u>	<u>Pump</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
<u>250 MCA</u>	<u>ST 32,508</u>	<u>gal. crude, 10,450 # sand, 8000</u>	<u>walnut balls</u>			

TOOLS USED

Rotary tools were used from 0 feet to 3815 feet, and from _____ feet to _____ feet

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

DATES

March 12, 1962 Put to producing March 10, 1962The production for the first 24 hours was 168 barrels of fluid of which 100% 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

D. T. Smith, Driller W. M. Knight, DrillerR. D. Blackledge, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1010</u>	<u>1010</u>	<u>Red beds</u>
<u>1010</u>	<u>1120</u>	<u>110</u>	<u>Anhydrite</u>
<u>1120</u>	<u>2050</u>	<u>930</u>	<u>Salt</u>
<u>2050</u>	<u>3440</u>	<u>1390</u>	<u>Red beds, anhydrite and lime stringers</u>
<u>3440</u>	<u>3782</u>	<u>342</u>	<u>Lime with sand stringers</u>
<u>3782</u>	<u>3815</u>	<u>33</u>	<u>White lime</u>
		<u>3815 T.D.</u>	
	<u>Log Top:</u>		
		<u>Base Salt</u>	<u>2043</u>
		<u>Yates</u>	<u>2220</u>
		<u>Queen P</u>	<u>3056</u>
		<u>Grayburg</u>	<u>3438</u>
		<u>San Andres</u>	<u>3789</u>

(OVER)

FORMATION RECORD—Continued

16-43094-6

[07E5]

FROM-	TO-	TOTAL FEET	FORMATION
0	1010	1010	Red beds
1010	1120	1120	Blue beds
1120	1230	1230	Red beds
1230	1340	1340	Blue beds
1340	1450	1450	Red beds
1450	1560	1560	Blue beds
1560	1670	1670	Red beds
1670	1780	1780	Blue beds
1780	1890	1890	Red beds
1890	2000	2000	Blue beds
2000	2110	2110	Red beds
2110	2220	2220	Blue beds
2220	2330	2330	Red beds
2330	2440	2440	Blue beds
2440	2550	2550	Red beds
2550	2660	2660	Blue beds
2660	2770	2770	Red beds
2770	2880	2880	Blue beds
2880	2990	2990	Red beds
2990	3100	3100	Blue beds
3100	3210	3210	Red beds
3210	3320	3320	Blue beds
3320	3430	3430	Red beds
3430	3540	3540	Blue beds
3540	3650	3650	Red beds
3650	3760	3760	Blue beds
3760	3870	3870	Red beds
3870	3980	3980	Blue beds
3980	4090	4090	Red beds
4090	4200	4200	Blue beds
4200	4310	4310	Red beds
4310	4420	4420	Blue beds
4420	4530	4530	Red beds
4530	4640	4640	Blue beds
4640	4750	4750	Red beds
4750	4860	4860	Blue beds
4860	4970	4970	Red beds
4970	5080	5080	Blue beds
5080	5190	5190	Red beds
5190	5300	5300	Blue beds
5300	5410	5410	Red beds
5410	5520	5520	Blue beds
5520	5630	5630	Red beds
5630	5740	5740	Blue beds
5740	5850	5850	Red beds
5850	5960	5960	Blue beds
5960	6070	6070	Red beds
6070	6180	6180	Blue beds
6180	6290	6290	Red beds
6290	6400	6400	Blue beds
6400	6510	6510	Red beds
6510	6620	6620	Blue beds
6620	6730	6730	Red beds
6730	6840	6840	Blue beds
6840	6950	6950	Red beds
6950	7060	7060	Blue beds
7060	7170	7170	Red beds
7170	7280	7280	Blue beds
7280	7390	7390	Red beds
7390	7500	7500	Blue beds
7500	7610	7610	Red beds
7610	7720	7720	Blue beds
7720	7830	7830	Red beds
7830	7940	7940	Blue beds
7940	8050	8050	Red beds
8050	8160	8160	Blue beds
8160	8270	8270	Red beds
8270	8380	8380	Blue beds
8380	8490	8490	Red beds
8490	8600	8600	Blue beds
8600	8710	8710	Red beds
8710	8820	8820	Blue beds
8820	8930	8930	Red beds
8930	9040	9040	Blue beds
9040	9150	9150	Red beds
9150	9260	9260	Blue beds
9260	9370	9370	Red beds
9370	9480	9480	Blue beds
9480	9590	9590	Red beds
9590	9700	9700	Blue beds
9700	9810	9810	Red beds
9810	9920	9920	Blue beds
9920	10030	10030	Red beds
10030	10140	10140	Blue beds
10140	10250	10250	Red beds
10250	10360	10360	Blue beds
10360	10470	10470	Red beds
10470	10580	10580	Blue beds
10580	10690	10690	Red beds
10690	10800	10800	Blue beds

11. Has 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 bailing.

HISTORY OF OIL OR GAS WELL

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Well No.	Location	Depth	Material	Remarks	Date
1	...	...	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...
5	...	...	...	...	...
6	...	...	...	...	...
7	...	...	...	...	...
8	...	...	...	...	...
9	...	...	...	...	...
10	...	...	...	...	...
11	...	...	...	...	...
12	...	...	...	...	...
13	...	...	...	...	...
14	...	...	...	...	...
15	...	...	...	...	...
16	...	...	...	...	...
17	...	...	...	...	...
18	...	...	...	...	...
19	...	...	...	...	...
20	...	...	...	...	...
21	...	...	...	...	...
22	...	...	...	...	...
23	...	...	...	...	...
24	...	...	...	...	...
25	...	...	...	...	...
26	...	...	...	...	...
27	...	...	...	...	...
28	...	...	...	...	...
29	...	...	...	...	...
30	...	...	...	...	...
31	...	...	...	...	...
32	...	...	...	...	...
33	...	...	...	...	...
34	...	...	...	...	...
35	...	...	...	...	...
36	...	...	...	...	...
37	...	...	...	...	...
38	...	...	...	...	...
39	...	...	...	...	...
40	...	...	...	...	...
41	...	...	...	...	...
42	...	...	...	...	...
43	...	...	...	...	...
44	...	...	...	...	...
45	...	...	...	...	...
46	...	...	...	...	...
47	...	...	...	...	...
48	...	...	...	...	...
49	...	...	...	...	...
50	...	...	...	...	...
51	...	...	...	...	...
52	...	...	...	...	...
53	...	...	...	...	...
54	...	...	...	...	...
55	...	...	...	...	...
56	...	...	...	...	...
57	...	...	...	...	...
58	...	...	...	...	...
59	...	...	...	...	...
60	...	...	...	...	...
61	...	...	...	...	...
62	...	...	...	...	...
63	...	...	...	...	...
64	...	...	...	...	...
65	...	...	...	...	...
66	...	...	...	...	...
67	...	...	...	...	...
68	...	...	...	...	...
69	...	...	...	...	...
70	...	...	...	...	...
71	...	...	...	...	...
72	...	...	...	...	...
73	...	...	...	...	...
74	...	...	...	...	...
75	...	...	...	...	...
76	...	...	...	...	...
77	...	...	...	...	...
78	...	...	...	...	...
79	...	...	...	...	...
80	...	...	...	...	...
81	...	...	...	...	...
82	...	...	...	...	...
83	...	...	...	...	...
84	...	...	...	...	...
85	...	...	...	...	...
86	...	...	...	...	...
87	...	...	...	...	...
88	...	...	...	...	...
89	...	...	...	...	...
90	...	...	...	...	

CASING RECORD

310388 041210

IMPORTANT WATER SAMPLES

IMPROVED WATER RESOURCES

.....	mod 4.6%		mod 3.9%
.....	mod 3.6%		mod 3.6%
.....	mod 3.6%		mod 3.6%

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

[illegible][illegible]

... ..
... ..
... ..

TOP OF OFFICE

STRENGTH AND STIFFNESS

YEVLEV 14 1150 1030

DEPARTMENT OF THE INTERIOR

ЗАДАЧА ДЕТИНЫ

... 2008-10-17 ... 2008-10-17 ...
... 2008-10-17 ... 2008-10-17 ...
... 2008-10-17 ... 2008-10-17 ...

1000

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, 26