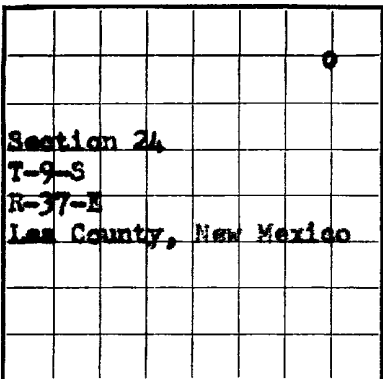




LOCATE WELL CORRECTLY

NOTED

JAN 30 1961

GORDON

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE Hobbs, N. M.

SERIAL NUMBER N.M. 080255

LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

Company Western Drilling Co. of Longview Address P. O. Box 1428, Odessa, TexasLessor or Tract Aikman Brothers Federal Field Sawyer San Andres State New MexicoWell No. 1 Sec. 24 T. 9-S R. 37-E Meridian NMPM County LeaLocation 660 ft. N of N Line and 660 ft. E of E Line of Section 24 Elevation 3969'
(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 J. D. HendersonDate January 25, 1961Title Partner

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

Commenced drilling December 21, 1960 Finished drilling January 10, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4938' to 4953' G No. 4, from _____ to _____No. 2, from 4965' to 5015' G No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None to _____ No. 3, from _____ to _____No. 2, from 2nd Full-Open Water 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>8 5/8"</u>	<u>24#</u>	<u>8</u>	<u>Beth</u>	<u>412'</u>	<u>Halliburton</u>				<u>Surface Csg</u>
<u>4 1/2"</u>	<u>14.8#</u>	<u>8</u>	<u>Beth</u>	<u>5015'</u>	<u>Halliburton</u>				<u>5015' Oil String</u>
HISTORY OF OIL OR GAS WELL									

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>412'</u>	<u>300</u>	<u>Halliburton</u>		<u>Natural</u>
<u>4 1/2"</u>	<u>5014'</u>	<u>400</u>	<u>Halliburton</u>	<u>9.8</u>	<u>Brine Water</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 0' feet to 5025' feet, and from _____ feet to _____ feet

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

DATES

January 18, 1961

Put to producing _____, 19____

The production for the first 24 hours was 12 barrels of fluid of which 81 % was oil; _____ % emulsion; 8 % water; and 8 % sediment. Gravity, °Bé. _____If gas well, cu. ft. per 24 hours 920,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1375

EMPLOYEES

J. L. Martin, Driller A. E. Wise, DrillerR. E. Shields, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>11</u>	<u>11</u>	<u>Derrick Substructure</u>
<u>11</u>	<u>97</u>	<u>86</u>	<u>Red Bed</u>
<u>97</u>	<u>420</u>	<u>323</u>	<u>Shale & Red Bed</u>
<u>420</u>	<u>795</u>	<u>375</u>	<u>Red Bed</u>
<u>795</u>	<u>1345</u>	<u>550</u>	<u>Shale & Shells</u>
<u>1345</u>	<u>1640</u>	<u>295</u>	<u>Red Bed & Shale</u>
<u>1640</u>	<u>1980</u>	<u>340</u>	<u>Anhydrite</u>
<u>1980</u>	<u>2070</u>	<u>90</u>	<u>Shale & Sand</u>
<u>2070</u>	<u>2240</u>	<u>170</u>	<u>Red Bed & Anhydrite Shells</u>
<u>2240</u>	<u>2395</u>	<u>155</u>	<u>Anhydrite, Shale & Sand</u>
<u>2395</u>	<u>2690</u>	<u>295</u>	<u>Shale & Anhydrite Salt</u>
<u>2690</u>	<u>2910</u>	<u>220</u>	<u>Shale & Anhydrite</u>
<u>2910</u>	<u>3670</u>	<u>760</u>	<u>Anhydrite & Gyp</u>
<u>3670</u>	<u>4189</u>	<u>519</u>	<u>Anhydrite</u>
<u>4189</u>	<u>4250</u>	<u>61</u>	<u>Anhydrite & Lime</u>
<u>4250</u>	<u>4445</u>	<u>195</u>	<u>Anhydrite</u>
<u>4445</u>	<u>4756</u>	<u>311</u>	<u>Anhydrite & Lime</u>
<u>4756</u>	<u>4890</u>	<u>134</u>	<u>Anhydrite & Dolomite</u>
<u>4890</u>	<u>5025</u>	<u>135</u>	<u>Dolomite, Lime</u>

GEOLOGICAL TOPS PICKED FROM ELECTRIC LOG

<u>Russler</u>	<u>2300'</u>
<u>Yates</u>	<u>2930'</u>
<u>San Andres</u>	<u>4204'</u>

FROM

TO

TOTAL FEET

[OVER]

FORMATION

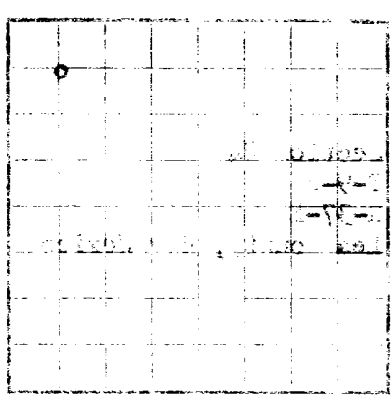
16-43094-4

FORMATION RECORD—Continued

U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
WASHINGTON, D.C. 20508

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



County, State, and Township of well: _____
Location of well: _____
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 _____
Date _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____, 19____. Finished drilling _____, 19____.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____

SEE ATTACHED HISTORY

CASING RECORD

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

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ALXMAN BROTHERS FEDERAL No. 1
WELL HISTORY

1960

December

- 14 Location Staked 660' FHL and 660' FHL of Section 24, T-9-S, R-37-E, Lea County New Mexico, by John W. Shearman of Lovington, New Mexico.
- 15 Building Road and Location - Slow due to Ice Storm
- 16 Building Road and Location
- 17 Building Road and Location
- 18 Moving in Rotary Tools - Western Service Drilling Company's Rig No. 13
- 19 Moving in Rotary Tools
- 20 Setting matting and mud pits with 1 crew
- 21 8:00 AM to 4:00 PM - Rigging up
4:00 PM to 10:00 PM - Rigging and mixing Spud Mud
10:00 PM to 12:00 PM - Drilling Surface Hole
- 22 12:00 AM to 3:00 PM - Drilling Surface Hole; Sand, Shell and Red Bed
3:00 PM to 6:30 PM - Ran 12 joints of 8 5/8", 24# Casing to 412'. Cemented Surface Casing with 300 sacks of regular cement. Circulated cement to surface.
6:30 PM to 12:00 PM - W.O.C.
- 23 12:00 AM to 6:00 PM - W.O.C.
6:00 PM to 6:30 PM - Tested 8 5/8" Casing with 500# for 30 minutes. Test OK.
6:30 PM to 12:00 PM - Drilling Red Bed and Shells; 420' to 795'
- 24 12:00 AM to 4:00 PM - Drilling Red Bed and Shale; 795' to 1525' $\frac{1}{2}^{\circ}$ deviation at 1125'
4:00 PM to 12:00 PM - Shut down for Christmas
- 25 12:00 AM to 12:00 PM - Shut down for Christmas
- 26 12:00 AM to 8:00 AM - Shut down for Christmas
8:00 AM to 12:00 PM - Drilling; 1525' to 1640' Red Bed and Shale, 1640' to 1830' Anhydrite.
- 27 12:00 AM to 12:00 PM - Drilling; 1830' to 2240'
1830' to 1980' - Anhydrite
1980' to 2070' - Sand and Shale
2070' to 2240' - Sand and Anhydrite
- 28 12:00 AM to 12:00 PM - Drilling; 2240' to 2640', Anhydrite Shale and Salt.
- 29 12:00 AM to 12:00 PM - Drilling; 2640' to 3188', Salt and Anhydrite
- 30 12:00 AM to 12:00 PM - Drilling; 3188' to 3670', Anhydrite and Salt. 1° Dev at 3600'
- 31 12:00 AM to 12:00 PM - Drilling; 3670' to 4035', Anhydrite and Gyp

1. Introduction
2. Objectives

Page
Number

The purpose of this study is to investigate the effect of the proposed system on the performance of the system.

The objectives of this study are as follows:

1. To determine the effect of the proposed system on the performance of the system.

2. To determine the effect of the proposed system on the performance of the system.

3. To determine the effect of the proposed system on the performance of the system.

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29. To determine the effect of the proposed system on the performance of the system.

30. To determine the effect of the proposed system on the performance of the system.

1961
January

- 1 12:00 AM to 12:00 PM - Drilling; 4035' to 4250', Anhydrite and Lime
- 2 12:00 AM to 4:00 PM - Drilling; 4250' to 4335', Anhydrite and Shells
4:00 PM to 12:00 PM - Fishing
- 3 12:00 AM to 8:00 AM - Fishing, Out of the hole with No. 1
8:00 AM to 12:00 PM - Drilling; 4335' to 4445' - Anhydrite
- 4 12:00 AM to 12:00 PM - Drilling; 4445' to 4586', Anhydrite and Lime
- 5 12:00 AM to 12:00 PM - Drilling; 4586' to 4711', Anhydrite and Lime
- 6 12:00 AM to 12:00 PM - Drilling; 4711' to 4826', Anhydrite and Lime
- 7 12:00 AM to 11:30 AM - Drilling; 4826' to 4890', Anhydrite and Dolomite
11:30 AM to 4:00 PM - One half trip out of hole to core
- 8 4:00 PM to 12:00 PM - Changed drilling line and ran magnetic basket in hole
for bearing out of last bit
- 9 12:00 AM to 8:00 AM - Pulled Magnetic basket and ran core barrel in the hole.
8:00 AM to 12:00 PM - Coring No. 1; 4890' to 4919', Recovered 29' of dense
Dolomite (Core Barrel Jammed)- Coring No. 2; 4919' to 4930'
- 9 12:00 AM to 6:15 PM - Coring No. 2; 4930' to 4938', Cut 19', Recovered 19'
Dolomite, Oil and Gas
6:15 AM to 9:15 AM - Trip in hole to cut core No. 3
9:15 AM to 12:00 PM - Cutting Core No. 3; 4938' to 4982'
- 10 12:00 AM to 6:15 AM - Pulling Core #3 and one half trip in hole for Core No. 4
Cut 44' and recovered 44' of Core No. 3, Dolomite
4938' to 4953' Oil and Gas
4953' to 4965' Dense, No Shows
4965' to 4982 Oil and Gas
6:15 AM to 4:00 PM - Cutting and pulling Core No. 4, Cut 33', recovered 33'
4982' to 5015' Dolomite, Oil and Gas
4:00 PM to 12:00 PM - One half trip in hole with bit. Drilled 15', Circulated
and laid down 4 1/2" Drill Pipe to run Casing.
- 11 12:00 AM to 7:00 AM - Ran 160 joints 4 1/2" J-55 casing, float collar and
guide shoe. Set casing with 400 sacks of Heat cement, last 100 sacks
contained 45 gallons of Latex, at 5025'. Centralizers were placed on
bottom 5 joints.
7:00 AM to 12:00 PM - W.O.C.
- 12 12:00 AM to 12:00 PM - W.O.C.
- 13 12:00 AM to 12:00 PM - W.O.C.
- 14 12:00 AM to 7:30 AM - W.O.C.
7:30 AM to 8:00 AM - Tested 4 1/2" Casing with 1500 lbs pressure for 30
minutes. Test OK.

1. *Phragmites* (common)

[illegible]

1. The first group of people who were arrested in the early 1950s were those who were active in the Communist Party of the United States of America (CPUSA). They were arrested because they were considered to be a threat to the national security.

[illegible]

DATE: 10/10/2013 TIME: 10:00 AM

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

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-05-2009 BY 60322 UCBAW/SJS

1. *Phragmites australis* (Cav.) Trin. ex Steud.

1961
January

- 14 8:00 AM to 9:00 AM - Rigged up well service unit
9:00 AM to 2:00 PM - Running Electric Logs
2:00 PM to 3:30 PM - Perforated 25' (4930' to 4955') with 4 shots per foot
3:30 PM to 6:30 PM - Rig up and pick up 2 3/8" tubing
6:30 PM to 12:00 PM - Shut Down
- 15 12:00 AM to 8:00 AM - Shut Down
8:00 AM to 10:00 AM - Picking up tubing
10:00 AM to 10:30 AM - Connecting up well to Acidize and load hole with water
10:30 AM to 10:50 AM - Spotted 500 gallons of M.E.C. 15% Acid on formation at 2500 lbs pressure. Acid across perforations; formation began to take acid, treatment resumed.
11:02 AM to 12:03 PM - treated with 10,000 gallons A.L.S.P. 15% Acid
12:03 PM to 12:13 PM - Ten minutes shut in 1400 lbs pressure.
Maximum Pressure: Tubing - 2500 lbs Casing - 1800 lbs
Maximum Injection Rate: 4.2 barrels per minute
Overall injection rate: 3.87 barrels per minute (with 1 pump)
12:30 P.M. - Rigging and swabbing
1:00 P.M. - well started to unload
10:00 PM to 12:00 Midnight - well unloading into test tank
- 16 12:00 AM to 12:00 PM - well unloading into test tank
- 17 12:00 AM to 12:00 PM - Testing
- 18 Approximately 920,000 Cubic Feet of Gas. 12 barrels of fluid of which 2 barrels was water and sediment and 10 barrels was oil.
- 19 Shut-in in accordance with NMOC Order No. R-1517
Waiting for Pipe Line

1994

[illegible]

1. The first group of people who were arrested in the early 1950s were those who were active in the labor movement. They were arrested because they were considered to be a threat to the national security.

1. The following information was obtained from the records of the
 2. Bureau of the Federal Bureau of Investigation, Department of Justice, and
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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.