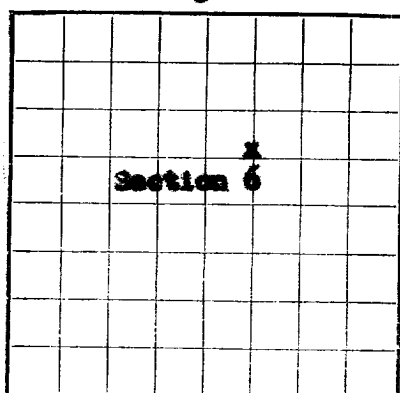


U. S. LAND OFFICE **Las Cruces**  
SERIAL NUMBER **NS-0162**  
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

RECEIVED

APR 17 1962

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYRECEIVED  
APR 20 1962

LAS CRUCES, NEW MEXICO

## LOG OF OIL OR GAS WELL

Company **Shell Oil Company** Address **P. O. Box 1858, Roswell, New Mexico**  
Lessor or Tract **Trigg-Federal** Field **H. Square Lake** State **New Mexico**  
Well No. **9** Sec. **6** T. **16S** R. **31E** Meridian **NSM** County **Sady**  
Location **3300** ft. [N.] of **8** Line and **1980** ft. [W.] of **2** Line of **Section 6** Elevation **4010'**  
(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 **R. A. Lowery**Original Signed By **R. A. LOWERY**Date **April 16, 1962**Title **District Exploitation Engineer**

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

Commenced drilling **March 29**, 19**62** Finished drilling **April 5**, 19**62**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3190'** to **3190'** No. 4, from **3190'** to **3190'**  
No. 2, from **3190'** to **3190'** No. 5, from **3190'** to **3190'**

No. 3, from **3190'** to **3190'** No. 6, from **3190'** to **3190'**

## IMPORTANT WATER SANDS

No. 1, from **3190'** to **3190'** No. 3, from **3190'** to **3190'**

No. 2, from **3190'** to **3190'** No. 4, from **3190'** to **3190'**

## CASING RECORD

| Size casing   | Weight per foot | Threads per inch | Make | Amount     | Kind of shoe | Cut and pulled from | Perforated |     | Purpose        |
|---------------|-----------------|------------------|------|------------|--------------|---------------------|------------|-----|----------------|
|               |                 |                  |      |            |              |                     | From—      | To— |                |
| <b>8 5/8"</b> | <b>24</b>       | <b>8</b>         |      | <b>216</b> |              |                     |            |     | <b>Surface</b> |
| <b>2 7/8"</b> | <b>11.6</b>     | <b>8</b>         |      | <b>320</b> |              |                     |            |     | <b>3190'</b>   |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set    | Number sacks of cement | Method used            | Mud gravity                | Amount of mud used |
|---------------|--------------|------------------------|------------------------|----------------------------|--------------------|
| <b>8 5/8"</b> | <b>285'</b>  | <b>125</b>             | <b>Pump &amp; Plug</b> | <b>Cemented to surface</b> |                    |
| <b>2 7/8"</b> | <b>3259'</b> | <b>300</b>             | <b>Pump &amp; Plug</b> |                            |                    |

## 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 **3270** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ **April 16**, 19**62** Put to producing \_\_\_\_\_ **April 12**, 19**62**

The production for the first 24 hours was **258** barrels of fluid of which **99.7%** was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. **0.3% NSM** Gravity, °Bé. **37 deg. API**

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—                | TO—         | TOTAL FEET   | FORMATION                                    |
|----------------------|-------------|--------------|----------------------------------------------|
|                      | <b>618</b>  | <b>618</b>   | <b>Red Beds, Sandstone, Shale</b>            |
| <b>0</b>             | <b>1718</b> | <b>1100</b>  | <b>Anhydrite</b>                             |
| <b>618</b>           | <b>3187</b> | <b>1469</b>  | <b>Sandstone, Shale, Anhydrite, Dolomite</b> |
| <b>1718</b>          | <b>3226</b> | <b>39</b>    | <b>Sandstone, Siltstone, Shale, Dolomite</b> |
| <b>3187</b>          | <b>3270</b> | <b>44</b>    | <b>Dolomite, Shale, Sandstone</b>            |
| <b>3226</b>          |             |              |                                              |
| <b>LOG TOPS:</b>     |             |              |                                              |
| <b>Base Red Beds</b> |             | <b>618'</b>  | <b>(+3392')</b>                              |
| <b>Yates</b>         |             | <b>1718'</b> | <b>(+2292')</b>                              |
| <b>Seven Rivers</b>  |             | <b>1985'</b> | <b>(+2045')</b>                              |
| <b>Queen</b>         |             | <b>2501'</b> | <b>(+1509')</b>                              |
| <b>Grayburg</b>      |             | <b>2890'</b> | <b>(+1120')</b>                              |
| <b>Frontier</b>      |             | <b>3187'</b> | <b>(+823')</b>                               |
| <b>San Andres</b>    |             | <b>3226'</b> | <b>(+784')</b>                               |

FROM

TO

TOTAL FEET

[OVER]

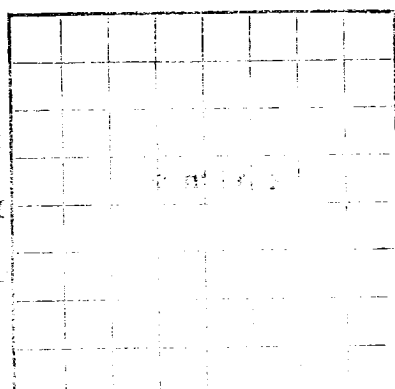
FORMATION

16-43094-3

FORMATION RECORD—(OVER)

PLEASE DO NOT WRITE ON THIS CARD

LOG OF OIL OR GAS WELL



LOCALITY

The information given herewith is a complete and correct record of all work done thereon  
as far as can be determined from all available records.

R. A. LOWERY

Original signed by \_\_\_\_\_  
Special Agent in Charge

Location: \_\_\_\_\_  
of \_\_\_\_\_ and \_\_\_\_\_  
\_\_\_\_\_

Well No. \_\_\_\_\_  
Twp. \_\_\_\_\_ R. \_\_\_\_\_ S. \_\_\_\_\_  
County \_\_\_\_\_ State \_\_\_\_\_

Inscribed for \_\_\_\_\_  
\_\_\_\_\_

Completed by \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
U.S. Post Office, New York, New York

Continued drilling \_\_\_\_\_, 19\_\_\_\_  
The summary on this page is for the condition of the well as above data.  
Date \_\_\_\_\_, 19\_\_\_\_  
The District Engineer's Signature \_\_\_\_\_

OIL OR GAS BANDS OR ZONES

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, 26

ON OFF FLOWED 258 BOPD (BASED ON 43 BO IN 4 HOURS) OUT 0.35 BBLM, thru 20/64 choke. NEW 140 IN 150 PSI. DEWELL 37 HRS. APT. OFFICIAL REGISTRATION DATE APRIL 12, 1962.

[illegible]

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 shot. If pump 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

| FROM- | TO-  | TOTAL FEET | FORMATION            |
|-------|------|------------|----------------------|
| 1000  | 1000 | 1000       | Reddish-brown, silty |
| 900   | 900  | 900        | Light gray, silty    |
| 800   | 800  | 800        | Dark gray, silty     |
| 700   | 700  | 700        | Light gray, silty    |
| 600   | 600  | 600        | Dark gray, silty     |
| 500   | 500  | 500        | Light gray, silty    |
| 400   | 400  | 400        | Dark gray, silty     |
| 300   | 300  | 300        | Light gray, silty    |
| 200   | 200  | 200        | Dark gray, silty     |
| 100   | 100  | 100        | Light gray, silty    |
| 0     | 0    | 0          | Dark gray, silty     |