

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

NOV 10 1959

Company or Operator Humble Oil & Refining Company Lease Federal Empire Abo

Well No. 1 Unit Letter J S 1 T 18-S R 27-E Pool Empire Abo

County Eddy Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit 0 S 1 T 18-S R 27-E

Authorized Transporter of Oil or Condensate Service Pipe Line Company

Address Livingston, New Mexico

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas _____

Address _____ Date Connected _____

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Gas is being flared at present - No gas line connection.

Reasons for Filing: (Please check proper box) New Well ()

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership () Other (X)

Remarks: (Give explanation below)

Change in Pool Designation.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 9th day of November 19 59

By [Signature]

Approved NOV 10 1959 19

Title Agent

OIL CONSERVATION COMMISSION

Company Humble Oil & Refining Company

By [Signature]

Address Box 2347 - Hobbs, New Mexico

Title OIL AND GAS INSPECTOR

(c) $\frac{d}{dt} \left(\frac{1}{r^2} \right) = -\frac{2}{r^3} \frac{dr}{dt}$

$$1 - \frac{1}{2} = \frac{1}{2} \quad \frac{1}{2} \quad \frac{1}{2} \quad \frac{1}{2}$$

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

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

• *Journal of the American Medical Association*, 1997; 277: 1033-1038

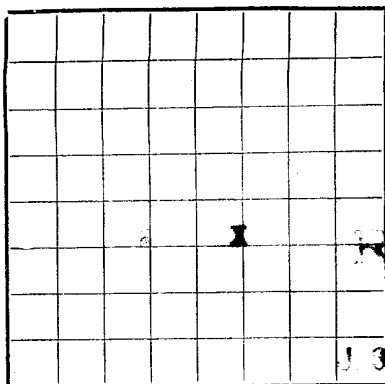
[illegible]

100

U. S. LAND OFFICE
SERIAL NUMBER **HM 016788**

LEASE OR PERMIT TO PROSPECT
Co. Les. No. 207058

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



RECEIVED

LOG OF OIL OR GAS WELL

Company **Humble Oil & Refining Company** Address **Box 2180, Houston, Texas**
Lessor or Tract **Federal Empire Abo** Field **Empire Abo (Ext.)** State **New Mexico**
Well No. **1** Sec. **1** T. **18S** R. **27E** Meridian **NPM** County **Eddy**
Location **1980** ft. N. of **5** Line and **1980** ft. W. of **2** Line of **Section 1** Elevation **3642**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
No further work can be determined from all available records.
Signed **R. G. Tonkin** Title **Agent**

Date **September 25, 1959**
The summary on this page is for the condition of the well at above date.

Commenced drilling **July 15**, 19**59** Finished drilling **August 20**, 19**59**
OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **6144** to **6170** No. 4, from **34** to **40**
No. 2, from **34** to **40** No. 5, from **34** to **40**
No. 3, from **34** to **40** No. 6, from **34** to **40**

IMPORTANT WATER SANDS
No. 1, from **34** to **40** No. 3, from **34** to **40**
No. 2, from **34** to **40** No. 4, from **34** to **40**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From—	To—	Purpose
8-5/8"	24	8	Unk.	1502'	Hall.	-	-	-	Surface
4-1/2"	9.54	8	Unk.	6169'	Hall.	-	6144	6170	Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1516'	850	Pump		
4-1/2"	6180'	170	Pump		

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 **6180 TD** feet, and from **-** feet to **-** feet
Cable tools were used from **-** feet to **-** feet, and from **-** feet to **-** feet

DATES

August 26, 19**59** Put to producing **August 26**, 19**59**
The production for the first 24 hours was **80** barrels of fluid of which **100** % was oil; **-** %
emulsion; **-** % water; and **-** % sediment. Gravity, °Bé. **44.0**
If gas well, cu. ft. per 24 hours **-** Gallons gasoline per 1,000 cu. ft. of gas **-**
Rock pressure, lbs. per sq. in. **-**

EMPLOYEES

S. E. Baskin, Driller **Dura Bates**, Driller
A. T. Coleman, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	653	653	Anhydrite & Salt
653	1525	872	Anhydrite
1525	1887	962	Limestone
1887	1962	75	Limestone & Anhydrite
1962	4032	2070	Limestone
4032	4331	299	Limestone & Chert
4331	4949	618	Limestone
4949	5014	65	Limestone & Dolomite
5014	5028	14	Limestone, Dolomite & Chert
5028	5145	117	Dolomite & Limestone
5145	5484	339	Limestone & Chert
5484	5514	30	Cherty Shale
5514	5878	364	Limestone & Chert
5878	6000	122	Limestone & Shale
6000	6180 TD	180	Limestone
			FORMATION TOPS
			Glorieta 3487
			Yaso 4370
			Clearfork 4510
			Abo Reef 5916

