

Record of drill stem tests.

DATE

- 7-10-47 #1 5205' Total depth, ran drill stem test with packer set at 5175' perforations 5195 to 5200' 5/8" Bottom and 1" Top choke, opened tool at 8:20AM, gas in 2 minutes mud in 25 minutes, oil in 30 minutes, turned to tanks at 9:10AM first 50 minutes 16.77 bbls oil, 1/10% BS, second hour 28.98 bbls oil 1/10% BS, 3rd hour 22.14 bbls oil 1/10% BS, 4th hour 38.52 bbls oil 1/10% BS, total 106.41 bbls oil, gravity 43@ 100, corrected 39.8 gas volume 463, 544, Gas oil ratio 726, closed tool at 1:05PM, recovered 3 stands of oil, hydrostatic pressure 2800#, Flow pressure 800-1200-1100, 15 minutes build up pressure 2400#
- 7-11-47 #2 5225' total depth, ran drill stem test with packer set at 5200', Perforations 5210-5220, 5/8" Bottom and 1" Top choke, opened tool at 10:05AM, slight blow off in 45 minutes, light blow air throughout test, closed tool at 2:05PM, recovered 90' drilling mud, hydrostatic pressure 2700#, Flow pressure Zero, 15 minutes build up pressure Zero
- 7-25-47 #3 5527' total depth, ran drill stem test with packer set at 5493', perforations at 5495-5522, 5/8" Bottom and 1" Top choke, opened tool at 2:15PM to 4PM, 1 3/4 hours, recovered 58' of drilling mud, no oil, or water, hydrostatic pressure 2700#, no flow pressure and no build up pressure.
- 7-17-47 #4 5610' total depth, ran drill stem test with packer set at 5585', perforations at 5587-5604, 5/8" bottom and 1" top choke, opened tool at 11:45PM, gas in 2 minutes, mud in 22 minutes, oil in 28 minutes, and in 4 1/2 hours made 24.71 bbls oil at daily rate of 123 bbls, Gas ~~XX~~ 738M per day, Gas oil ratio 6000, gravity 38.6 corrected, tool closed at 5:07AM, recovered 30 oil and gas cut mud, Hydrostatic pressure 2700#, flow pressure 500#, 15 minutes build up pressure 1900#.
- 7-19-47 #5 5635' total depth, ran drill stem test with packer set at 5608', perforations 5609 to 5633, 5/8" bottom and 1" top choke, opened tool at 1:30AM, blow of air immediately, very slight blow of gas in 55 minutes, tool closed at 5:30AM, recovered 65' oil and gas cut mud, 75' clean oil, 80' of salt water, Hydrostatic pressure 2750#, flow pressure zero, 15 minutes build up pressure 850#.
- 7-21-47 #6 5710' total depth ran drill stem test with packer set at 5660', perforations 5680-5704, 5/8" bottom and 1" top choke, opened tool at 4AM, blow of air immediately, gas in 55 minutes, and throughout test but not enough to measure, in 4 hours made 13.16 bbls oil, tool closed at 11:53AM, recovered 2340' clean oil, 450' oil and gas cut mud, Hydrostatic Pressure 2800#, flow pressure zero to 600- and settled on 400#, no build up pressure.
- 7-23-47 #7 5798' total depth, ran drill stem test with packer set at 5748', perforations, at 5748 to 5749, and 5777 to 5796, 5/8" bottom and 1" top choke, opened tool at 9:14PM closed tool at 1:15AM, for 15 minutes build up, blow of air immediately that decreased and quit, Hydrostatic pressure 2900#, flow pressure zero to 2000#, 15 minutes build up pressure 200# to 2200#, recovered 4500' of sulphur water.
- 8-5-47 #8 6455' total depth, ran drill stem test with packer set at 6425', perforations at 6426 to 6453', 5/8" bottom and 1" top choke, tool opened at 8:17PM, closed tool at ~~12:17AM~~ 12:17AM, blow of air immediately and continued throughout test, recovered 45' slightly gas cut mud, no oil or water, Hydrostatic pressure 2850#, No flow pressure or build up pressure.
- 8-6-47 #9 6492' total depth, ran drill stem test with packer set at 6457', perforations at 6458 to 6490', 5/8" Bottom and 1" top choke, opened tool at 8:02PM, immediate blow of air, that continued throughout test, closed tool at 12:02AM, recovered 40' of drilling mud with gas odor, no oil or water, Hydrostatic Pressure 3100#, Flow pressure Zero, 15 minutes build up pressure Zero.
- 8-10-47 #10 6665' total depth, ran drill stem test with packer set at 6515', perforations at 6615-16, 6645 to 6663', opened tool at 5:05AM with immediate blow of air, air quit at 5:20AM and tool closed to check connections, opened again at 5:35AM with immediate blow of air for 1 1/2 hours, closed tool at 7:20AM, recovered 30' of drilling mud, Hydrostatic pressure 3200#, flow pressure zero, 15 minutes build up pressure 100#.
- 8-12-47 #11 6835' total depth ran drill stem test with packer set at 6734', perforations at 6734-35, 6817 to 6832', 5/8" bottom and 1" top choke, opened tool at 3:45PM, with slight blow of air for 10 minutes, closed tool at 4:00PM and opened again at 4:03PM with slight blow of air for 10 minutes, tool closed at 6:03PM, recovered 45' drilling mud, hydrostatic pressure 3300#, Flow pressure zero, 15 minutes build up pressure zero.

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

[illegible][illegible]

pressure 2500, no flow pressure and no build up pressure.
3/4 in. recovered 21' of drilling and, no oil, or water, hydrocarbon
at 5495-5525, 100' bottom and 1" top shows, opened first at 5495 to 5497, I
5527, total depth, run until steel beam with 1000' and 1000' perforations

1950

1. The first of these is the fact that the majority of the population of the United States is of European descent. This is a fact which has been recognized by the government and the people of the United States for many years. It is a fact which has been recognized by the government and the people of the United States for many years.

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1. The first of these is the fact that the Soviet Union has been the only country in the world to have a continuous and unbroken record of peace and stability since the end of the Second World War. This is a fact which has been widely recognized by the United Nations and the Organization for Security and Co-operation in Europe (OSCE). The Soviet Union has been able to maintain this record of peace and stability because of its strong and stable political system, which has been able to resist all attempts at internal and external subversion.

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10-10-47, 10-11-47, 10-12-47, 10-13-47, 10-14-47, 10-15-47, 10-16-47, 10-17-47, 10-18-47, 10-19-47, 10-20-47, 10-21-47, 10-22-47, 10-23-47, 10-24-47, 10-25-47, 10-26-47, 10-27-47, 10-28-47, 10-29-47, 10-30-47, 10-31-47, 11-1-47, 11-2-47, 11-3-47, 11-4-47, 11-5-47, 11-6-47, 11-7-47, 11-8-47, 11-9-47, 11-10-47, 11-11-47, 11-12-47, 11-13-47, 11-14-47, 11-15-47, 11-16-47, 11-17-47, 11-18-47, 11-19-47, 11-20-47, 11-21-47, 11-22-47, 11-23-47, 11-24-47, 11-25-47, 11-26-47, 11-27-47, 11-28-47, 11-29-47, 11-30-47, 12-1-47, 12-2-47, 12-3-47, 12-4-47, 12-5-47, 12-6-47, 12-7-47, 12-8-47, 12-9-47, 12-10-47, 12-11-47, 12-12-47, 12-13-47, 12-14-47, 12-15-47, 12-16-47, 12-17-47, 12-18-47, 12-19-47, 12-20-47, 12-21-47, 12-22-47, 12-23-47, 12-24-47, 12-25-47, 12-26-47, 12-27-47, 12-28-47, 12-29-47, 12-30-47, 12-31-47, 1-1-48, 1-2-48, 1-3-48, 1-4-48, 1-5-48, 1-6-48, 1-7-48, 1-8-48, 1-9-48, 1-10-48, 1-11-48, 1-12-48, 1-13-48, 1-14-48, 1-15-48, 1-16-48, 1-17-48, 1-18-48, 1-19-48, 1-20-48, 1-21-48, 1-22-48, 1-23-48, 1-24-48, 1-25-48, 1-26-48, 1-27-48, 1-28-48, 1-29-48, 1-30-48, 1-31-48, 2-1-48, 2-2-48, 2-3-48, 2-4-48, 2-5-48, 2-6-48, 2-7-48, 2-8-48, 2-9-48, 2-10-48, 2-11-48, 2-12-48, 2-13-48, 2-14-48, 2-15-48, 2-16-48, 2-17-48, 2-18-48, 2-19-48, 2-20-48, 2-21-48, 2-22-48, 2-23-48, 2-24-48, 2-25-48, 2-26-48, 2-27-48, 2-28-48, 2-29-48, 2-30-48, 3-1-48, 3-2-48, 3-3-48, 3-4-48, 3-5-48, 3-6-48, 3-7-48, 3-8-48, 3-9-48, 3-10-48, 3-11-48, 3-12-48, 3-13-48, 3-14-48, 3-15-48, 3-16-48, 3-17-48, 3-18-48, 3-19-48, 3-20-48, 3-21-48, 3-22-48, 3-23-48, 3-24-48, 3-25-48, 3-26-48, 3-27-48, 3-28-48, 3-29-48, 3-30-48, 3-31-48, 4-1-48, 4-2-48, 4-3-48, 4-4-48, 4-5-48, 4-6-48, 4-7-48, 4-8-48, 4-9-48, 4-10-48, 4-11-48, 4-12-48, 4-13-48, 4-14-48, 4-15-48, 4-16-48, 4-17-48, 4-18-48, 4-19-48, 4-20-48, 4-21-48, 4-22-48, 4-23-48, 4-24-48, 4-25-48, 4-26-48, 4-27-48, 4-28-48, 4-29-48, 4-30-48, 5-1-48, 5-2-48, 5-3-48, 5-4-48, 5-5-48, 5-6-48, 5-7-48, 5-8-48, 5-9-48, 5-10-48, 5-11-48, 5-12-48, 5-13-48, 5-14-48, 5-15-48, 5-16-48, 5-17-48, 5-18-48, 5-19-48, 5-20-48, 5-21-48, 5-22-48, 5-23-48, 5-24-48, 5-25-48, 5-26-48, 5-27-48, 5-28-48, 5-29-48, 5-30-48, 5-31-48, 6-1-48, 6-2-48, 6-3-48, 6-4-48, 6-5-48, 6-6-48, 6-7-48, 6-8-48, 6-9-48, 6-10-48, 6-11-48, 6-12-48, 6-13-48, 6-14-48, 6-15-48, 6-16-48, 6-17-48, 6-18-48, 6-19-48, 6-20-48, 6-21-48, 6-22-48, 6-23-48, 6-24-48, 6-25-48, 6-26-48, 6-27-48, 6-28-48, 6-29-48, 6-30-48, 7-1-48, 7-2-48, 7-3-48, 7-4-48, 7-5-48, 7-6-48, 7-7-48, 7-8-48, 7-9-48, 7-10-48, 7-11-48, 7-12-48, 7-13-48, 7-14-48, 7-15-48, 7-16-48, 7-17-48, 7-18-48, 7-19-48, 7-20-48, 7-21-48, 7-22-48, 7-23-48, 7-24-48, 7-25-48, 7-26-48, 7-27-48, 7-28-48, 7-29-48, 7-30-48, 7-31-48, 8-1-48, 8-2-48, 8-3-48, 8-4-48, 8-5-48, 8-6-48, 8-7-48, 8-8-48, 8-9-48, 8-10-48, 8-11-48, 8-12-48, 8-13-48, 8-14-48, 8-15-48, 8-16-48, 8-17-48, 8-18-48, 8-19-48, 8-20-48, 8-21-48, 8-22-48, 8-23-48, 8-24-48, 8-25-48, 8-26-48, 8-27-48, 8-28-48, 8-29-48, 8-30-48, 8-31-48, 9-1-48, 9-2-48, 9-3-48, 9-4-48, 9-5-48, 9-6-48, 9-7-48, 9-8-48, 9-9-48, 9-10-48, 9-11-48, 9-12-48, 9-13-48, 9-14-48, 9-15-48, 9-16-48, 9-17-48, 9-18-48, 9-19-48, 9-20-48, 9-21-48, 9-22-48, 9-23-48, 9-24-48, 9-25-48, 9-26-48, 9-27-48, 9-28-48, 9-29-48, 9-30-48, 10-1-48, 10-2-48, 10-3-48, 10-4-48, 10-5-48, 10-6-48, 10-7-48, 10-8-48, 10-9-48, 10-10-48, 10-11-48, 10-12-48, 10-13-48, 10-14-48, 10-15-48, 10-16-48, 10-17-48, 10-18-48, 10-19-48, 10-20-48, 10-21-48, 10-22-48, 10-23-48, 10-24-48, 10-25-48, 10-26-48, 10-27-48, 10-28-48, 10-29-48, 10-30-48, 10-31-48, 11-1-48, 11-2-48, 11-3-48, 11-4-48, 11-5-48, 11-6-48, 11-7-48, 11-8-48, 11-9-48, 11-10-48, 11-11-48, 11-12-48, 11-13-48, 11-14-48, 11-15-48, 11-16-48, 11-17-48, 11-18-48, 11-19-48, 11-20-48, 11-21-48, 11-22-48, 11-23-48, 11-24-48, 11-25-48, 11-26-48, 11-27-48, 11-28-48, 11-29-48, 11-30-48, 12-1-48, 12-2-48, 12-3-48, 12-4-48, 12-5-48, 12-6-48, 12-7-48, 12-8-48, 12-9-48, 12-10-48, 12-11-48, 12-12-48, 12-13-48, 12-14-48, 12-15-48, 12-16-48, 12-17-48, 12-18-48, 12-19-48, 12-20-48, 12-21-48, 12-22-48, 12-23-48, 12-24-48, 12-25-48, 12-26-48, 12-27-48, 12-28-48, 12-29-48, 12-30-48, 12-31