

SAN ISIDRO 15-7

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PRIMARY WELLBORE

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Oct, 19 91
John H. Harris

NOTARY PUBLIC

COUNTY, TEXAS

Geoservices-Directional

Deviation report

Well : SAN ISIDRO
 Field : RIO PUERCO
 Company : VETERAN EXPLORATION

Coordinates

Well head : Target : Impact :
 X = 0.0 X = 0.0 X = 0.0
 Y = 0.0 Y = 0.0 Y = 0.0
 Z = 0.0 Z = 0.0 Z = 0.0

Horizontal displacement 0.00 ft
 Total vertical depth 0.00 ft Kick off point 0.00 ft
 Magnetic declination 0.00 deg Convergence 0.00 deg
 Horizontal projection computed in azimuth North 283.00 deg. (NW 77.00)

Surv no	Measured depth feet	Drift angle degree	Azimut magnt. degree	Azimut geogr. degree	Vertical depth feet	Horizntl prjction feet	Horizntl displcmt feet	Average Az(geo) degree	.Relative East/West feet	Coordinates. Nor/South feet	Dog leg /100f
Computation method :			Radius of curvature								
1	3000.0	0.00	180.00	180.00	3000.0	0.0	0.0	90.00	0.0 E	0.0 N	0.0
2	3383.0	5.25	148.50	148.50	3382.5	-8.4	17.3	164.25	4.7 E	16.7 S	1.4
3	3473.0	5.25	150.00	150.00	3472.1	-14.1	25.4	159.43	8.9 E	23.7 S	0.1
4	3566.0	5.13	151.00	151.00	3564.7	-19.8	33.7	157.21	13.1 E	31.1 S	0.2
5	3600.0	5.38	151.00	151.00	3598.6	-21.9	36.8	156.68	14.6 E	33.8 S	0.7
6	3631.0	6.13	174.50	174.50	3629.4	-23.5	39.9	157.15	15.5 E	36.7 S	7.9
7	3662.0	9.88	198.00	198.00	3660.1	-24.0	43.7	159.89	15.0 E	41.0 S	15.8
8	3692.0	14.25	209.50	209.50	3689.4	-22.8	48.4	165.03	12.5 E	46.7 S	16.5
9	3721.0	18.50	215.00	215.00	3717.2	-20.1	54.2	171.38	8.1 E	53.6 S	15.6
10	3751.0	22.75	217.50	217.50	3745.3	-15.9	62.2	178.26	1.9 E	62.2 S	14.4
11	3787.0	27.38	224.50	224.50	3777.9	-8.8	74.1	186.28	8.1 W	73.7 S	15.2
12	3808.0	29.00	228.50	228.50	3796.4	-3.3	81.9	190.77	15.3 W	80.5 S	11.8
13	3838.0	33.50	232.00	232.00	3822.1	6.1	94.5	196.78	27.3 W	90.4 S	16.2
14	3869.0	36.38	238.00	238.00	3847.5	18.0	108.9	202.56	41.8 W	100.6 S	14.5
15	3899.0	40.38	240.50	240.50	3871.0	31.4	124.4	207.69	57.8 W	110.1 S	14.3
16	3931.0	44.75	240.00	240.00	3894.6	47.3	143.1	212.36	76.6 W	120.9 S	13.7
17	3961.0	49.73	240.00	240.00	3914.9	63.4	162.9	215.96	95.7 W	131.9 S	16.6
18	3998.0	54.25	240.50	240.50	3937.7	84.8	189.9	219.58	121.0 W	146.3 S	12.2
19	4027.0	58.38	240.00	240.00	3953.8	102.6	212.6	221.87	141.9 W	158.3 S	14.3
20	4062.0	63.38	237.50	237.50	3970.8	124.5	242.0	223.97	168.0 W	174.2 S	15.6
21	4110.0	70.25	236.00	236.00	3989.7	154.9	285.2	225.93	204.9 W	198.3 S	14.6
22	4142.0	70.50	235.00	235.00	4000.4	175.3	314.9	226.85	229.8 W	215.4 S	3.0
23	4171.0	69.88	236.00	236.00	4010.3	193.7	341.9	227.53	252.2 W	230.9 S	3.9
24	4201.0	69.25	236.50	236.50	4020.7	213.0	369.8	228.19	275.6 W	246.5 S	2.6
25	4232.0	68.63	235.50	235.50	4031.9	232.7	398.4	228.76	299.6 W	262.7 S	3.6
26	4263.0	68.25	236.00	236.00	4043.3	252.3	427.1	229.23	323.4 W	278.9 S	1.9
27	4293.0	67.50	235.50	235.50	4054.6	271.2	454.7	229.63	346.4 W	294.5 S	2.9
28	4324.0	66.25	236.00	236.00	4066.7	290.5	483.0	229.99	370.0 W	310.6 S	4.3
29	4354.0	65.13	236.50	236.50	4079.1	309.3	510.2	230.32	392.7 W	325.8 S	4.0
30	4385.0	64.38	235.50	235.50	4092.3	328.4	538.1	230.62	415.9 W	341.4 S	3.8
31	4423.0	63.13	236.50	236.50	4109.1	351.6	572.1	230.94	444.2 W	360.5 S	4.0
32	4448.0	62.13	235.00	235.00	4120.6	366.7	594.2	231.12	462.5 W	373.0 S	6.6
33	4477.0	62.63	234.50	234.50	4134.1	383.8	619.9	231.27	483.5 W	387.8 S	2.3
34	4508.0	66.38	235.50	235.50	4147.4	402.5	647.8	231.43	506.4 W	403.9 S	12.4
35	4540.0	70.75	235.00	235.00	4159.1	422.5	677.5	231.60	530.9 W	420.8 S	13.7

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Computation method :			Radius of curvature								
36	4571.0	75.38	235.00	235.00	4168.1	442.4	707.1	231.74	555.2 W	437.9 S	14.9
37	4603.0	80.75	236.00	236.00	4174.7	463.5	738.3	231.90	581.0 W	455.6 S	17.0
38	4626.0	84.00	237.00	237.00	4177.8	479.2	761.0	232.04	600.0 W	468.2 S	14.7
39	4639.0	86.50	238.50	238.50	4178.9	488.3	773.9	232.13	611.0 W	475.1 S	22.4
40	4670.0	91.38	239.50	239.50	4179.4	510.6	804.7	232.40	637.5 W	491.0 S	16.1
41	4701.0	94.13	242.00	242.00	4177.9	533.5	835.3	232.70	664.5 W	506.2 S	12.0
42	4736.0	94.30	242.00	242.00	4175.4	559.9	869.8	233.08	695.3 W	522.5 S	0.5
43	4766.0	93.75	243.50	243.50	4173.3	582.7	899.3	233.40	722.0 W	536.2 S	5.3
44	4793.0	92.25	242.50	242.50	4171.8	603.4	925.9	233.67	746.0 W	548.5 S	6.7
45	4823.0	89.88	244.00	244.00	4171.3	626.4	955.5	233.97	772.8 W	562.0 S	9.3
46	4855.0	89.13	242.50	242.50	4171.6	651.0	987.1	234.27	801.3 W	576.4 S	5.2
47	4886.0	88.88	243.00	243.00	4172.1	674.7	1017.8	234.53	828.9 W	590.6 S	1.8
48	4917.0	88.38	243.00	243.00	4172.8	698.4	1048.4	234.78	856.5 W	604.6 S	1.6
49	4949.0	88.38	242.00	242.00	4173.8	722.8	1080.1	235.01	884.9 W	619.4 S	3.1
50	4979.0	89.00	242.50	242.50	4174.4	745.5	1109.9	235.20	911.4 W	633.4 S	2.6
51	5010.0	89.25	241.50	241.50	4174.9	768.9	1140.7	235.39	938.8 W	647.9 S	3.3
52	5041.0	89.75	241.50	241.50	4175.2	792.1	1171.5	235.55	966.0 W	662.7 S	1.6
53	5073.0	90.75	241.50	241.50	4175.0	816.1	1203.3	235.71	994.1 W	678.0 S	3.1
54	5095.0	91.75	242.00	242.00	4174.6	832.6	1225.2	235.81	1013.5 W	688.4 S	5.0
55	5126.0	93.00	242.00	242.00	4173.3	856.0	1256.0	235.97	1040.9 W	702.9 S	4.0
56	5157.0	93.63	241.50	241.50	4171.5	879.2	1286.8	236.11	1068.1 W	717.6 S	2.6
57	5188.0	93.63	241.50	241.50	4169.5	902.4	1317.6	236.23	1095.3 W	732.4 S	0.0
58	5220.0	93.63	240.50	240.50	4167.5	926.1	1349.4	236.35	1123.3 W	747.8 S	3.1
59	5251.0	93.38	241.50	241.50	4165.6	949.1	1380.3	236.45	1150.3 W	762.8 S	3.3
60	5283.0	92.88	241.50	241.50	4163.9	973.1	1412.1	236.56	1178.4 W	778.1 S	1.5
61	5314.0	93.38	241.00	241.00	4162.2	996.2	1443.0	236.66	1205.5 W	793.0 S	2.3
62	5345.0	93.88	240.00	240.00	4160.2	1019.0	1473.8	236.74	1232.5 W	808.2 S	3.6
63	5376.0	95.00	241.00	241.00	4157.8	1041.8	1504.7	236.82	1259.4 W	823.4 S	4.8
64	5392.0	95.25	241.00	241.00	4156.4	1053.6	1520.6	236.87	1273.3 W	831.2 S	1.5

VETERAN EXPLORATION

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

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No. 10110

Top 10.0

Bottom 10.0
Depth 10.0
Elev. 10.0
Area 10.0

Depth 10.0
Elev. 10.0
Area 10.0
Area 10.0

Depth 10.0
Elev. 10.0

100

2000

1500