

30 045 34091

Surface 1740/N 1190/E
 BHL M 2078/N 933/E
 BHL PK 224/N 679/E



Weatherford

Client : XTO Energy
 Well : Martin Gas Com B #1F
 Location : San Juan Co, NM
 License :

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 File : 4011669

UWI #:

Vertical Section Calculated Along Azimuth 133.33°
 KB Elevation = 5849.00ft GR. Elevation = 5834.00ft

	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	°/100	°/100	°/100
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	947.00	0.50	282.70	946.99	0.91	-4.03	-3.56	0.05	0.05	-8.16
2	977.00	0.63	285.01	976.99	0.98	-4.32	-3.81	0.44	0.43	7.70
3	1008.00	1.13	229.51	1007.98	0.83	-4.72	-4.00	3.00	1.61	-179.03
4	1040.00	1.50	176.39	1039.98	0.20	-4.93	-3.72	3.82	1.16	-166.00
5	1071.00	2.25	161.39	1070.96	-0.78	-4.71	-2.89	2.87	2.42	-48.39
6	1102.00	3.06	163.89	1101.93	-2.15	-4.29	-1.64	2.64	2.61	8.06
7	1133.00	3.88	163.14	1132.87	-3.95	-3.75	-0.02	2.65	2.65	-2.42
8	1165.00	4.44	159.76	1164.78	-6.15	-3.01	2.03	1.91	1.75	-10.56
9	1196.00	5.13	159.76	1195.68	-8.57	-2.11	4.35	2.23	2.23	0.00
10	1227.00	5.63	149.01	1226.54	-11.18	-0.85	7.05	3.62	1.61	-34.68
11	1256.00	5.31	142.51	1255.41	-13.46	0.70	9.75	2.40	-1.10	-22.41
12	1286.00	5.94	141.89	1285.26	-15.79	2.50	12.65	2.11	2.10	-2.07
13	1318.00	6.44	137.76	1317.08	-18.42	4.73	16.08	2.09	1.56	-12.91
14	1347.00	7.13	134.14	1345.87	-20.87	7.11	19.50	2.80	2.38	-12.48
15	1378.00	8.06	131.51	1376.60	-23.65	10.12	23.59	3.20	3.00	-8.48
16	1410.00	8.69	128.39	1408.26	-26.64	13.70	28.24	2.43	1.97	-9.75
17	1441.00	8.38	127.64	1438.92	-29.48	17.32	32.83	1.06	-1.00	-2.42
18	1472.00	7.88	130.01	1469.61	-32.22	20.74	37.20	1.94	-1.61	7.65
19	1502.00	7.63	132.76	1499.33	-34.90	23.77	41.24	1.49	-0.83	9.17
20	1533.00	7.56	133.14	1530.06	-37.69	26.77	45.34	0.28	-0.23	1.23
21	1565.00	7.44	131.76	1561.79	-40.51	29.86	49.51	0.68	-0.37	-4.31
22	1597.00	7.38	131.26	1593.52	-43.24	32.95	53.64	0.28	-0.19	-1.56
23	1629.00	7.31	131.01	1625.26	-45.93	36.03	57.73	0.24	-0.22	-0.78
24	1660.00	7.25	131.39	1656.01	-48.52	38.98	61.65	0.25	-0.19	1.23
25	1690.00	6.94	130.76	1685.78	-50.96	41.78	65.35	1.07	-1.03	-2.10
26	1722.00	7.06	129.26	1717.54	-53.46	44.76	69.25	0.68	0.38	-4.69
27	1751.00	7.31	125.39	1746.31	-55.66	47.65	72.85	1.88	0.86	-13.34
28	1782.00	7.44	125.01	1777.05	-57.95	50.90	76.79	0.45	0.42	-1.23
29	1814.00	7.94	124.01	1808.77	-60.38	54.43	81.02	1.62	1.56	-3.12
30	1845.00	8.00	125.51	1839.47	-62.83	57.96	85.27	0.70	0.19	4.84
31	1877.00	7.81	129.76	1871.16	-65.51	61.44	89.65	1.92	-0.59	13.28
32	1908.00	7.69	132.89	1901.88	-68.27	64.58	93.82	1.42	-0.39	10.10
33	1940.00	7.63	132.76	1933.59	-71.17	67.71	98.09	0.20	-0.19	-0.41
34	1971.00	7.56	132.89	1964.32	-73.96	70.71	102.19	0.23	-0.23	0.42
35	2001.00	7.50	132.64	1994.06	-76.62	73.60	106.12	0.23	-0.20	-0.83
36	2033.00	6.81	130.01	2025.81	-79.26	76.59	110.10	2.39	-2.16	-8.22

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Vertical Section Calculated Along Azimuth 133.33°
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	ft	deg	deg	ft	ft	ft	ft	°/100	°/100	°/100
37	2064.00	6.56	131.14	2056.60	-81.61	79.33	113.70	0.91	-0.81	3.65
38	2096.00	6.56	130.76	2088.39	-84.00	82.09	117.36	0.14	0.00	-1.19
39	2127.00	6.44	130.89	2119.19	-86.30	84.75	120.86	0.39	-0.39	0.42
40	2159.00	6.31	131.39	2151.00	-88.63	87.42	124.41	0.44	-0.41	1.56
41	2189.00	6.44	131.89	2180.81	-90.85	89.91	127.74	0.47	0.43	1.67
42	2221.00	6.50	129.89	2212.61	-93.21	92.64	131.35	0.73	0.19	-6.25
43	2252.00	7.13	129.64	2243.39	-95.56	95.47	135.02	2.03	2.03	-0.81
44	2284.00	7.00	128.76	2275.15	-98.05	98.52	138.94	0.53	-0.41	-2.75
45	2315.00	6.94	129.01	2305.92	-100.41	101.44	142.69	0.22	-0.19	0.81
46	2347.00	6.94	129.51	2337.68	-102.86	104.44	146.55	0.19	0.00	1.56
47	2379.00	7.38	130.26	2369.43	-105.41	107.50	150.53	1.41	1.38	2.34
48	2410.00	7.25	131.76	2400.18	-108.00	110.48	154.47	0.75	-0.42	4.84
49	2441.00	7.19	131.76	2430.93	-110.60	113.38	158.37	0.19	-0.19	0.00
50	2473.00	6.94	131.39	2462.69	-113.21	116.33	162.30	0.79	-0.78	-1.16
51	2504.00	6.94	131.64	2493.46	-115.69	119.13	166.05	0.10	0.00	0.81
52	2535.00	6.81	130.39	2524.24	-118.13	121.93	169.75	0.64	-0.42	-4.03
53	2567.00	6.94	130.89	2556.01	-120.62	124.84	173.58	0.45	0.41	1.56
54	2599.00	6.81	129.76	2587.78	-123.10	127.76	177.41	0.59	-0.41	-3.53
55	2630.00	6.50	126.64	2618.57	-125.32	130.58	180.98	1.54	-1.00	-10.06
56	2662.00	7.13	127.26	2650.35	-127.61	133.61	184.76	1.98	1.97	1.94
57	2693.00	7.44	130.39	2681.10	-130.07	136.67	188.67	1.62	1.00	10.10
58	2725.00	7.31	130.51	2712.83	-132.74	139.80	192.78	0.41	-0.41	0.37
59	2755.00	7.25	130.14	2742.59	-135.20	142.70	196.57	0.25	-0.20	-1.23
60	2786.00	7.25	131.01	2773.34	-137.74	145.67	200.48	0.35	0.00	2.81
61	2816.00	7.00	130.01	2803.11	-140.16	148.50	204.20	0.93	-0.83	-3.33
62	2848.00	7.06	130.39	2834.87	-142.69	151.49	208.11	0.24	0.19	1.19
63	2880.00	7.31	132.26	2866.62	-145.33	154.49	212.11	1.07	0.78	5.84
64	2910.00	7.69	132.51	2896.36	-147.97	157.38	216.02	1.27	1.27	0.83
65	2942.00	7.63	132.89	2928.08	-150.86	160.52	220.29	0.25	-0.19	1.19
66	2973.00	7.63	133.26	2958.80	-153.68	163.53	224.40	0.16	0.00	1.19
67	3005.00	7.56	133.51	2990.52	-156.58	166.60	228.63	0.24	-0.22	0.78
68	3036.00	7.50	133.26	3021.25	-159.37	169.55	232.69	0.22	-0.19	-0.81
69	3068.00	7.44	133.39	3052.98	-162.23	172.58	236.86	0.19	-0.19	0.41
70	3099.00	7.19	132.89	3083.73	-164.92	175.46	240.80	0.83	-0.81	-1.61
71	3131.00	7.19	132.51	3115.48	-167.64	178.40	244.81	0.15	0.00	-1.19
72	3162.00	7.19	131.76	3146.23	-170.24	181.28	248.69	0.30	0.00	-2.42
73	3194.00	7.06	132.06	3177.99	-172.89	184.23	252.65	0.42	-0.41	0.94

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KB Elevation = 5849.00ft GR. Elevation = 5834.00ft

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74	3226.00	7.06	132.14	3209.74	-175.53	187.15	256.59	0.03	0.00	0.25
75	3258.00	7.06	131.51	3241.50	-178.15	190.08	260.52	0.24	0.00	-1.97
76	3289.00	7.00	131.64	3272.27	-180.67	192.92	264.31	0.20	-0.19	0.42
77	3320.00	7.06	131.76	3303.04	-183.20	195.75	268.10	0.20	0.19	0.39
78	3351.00	7.19	131.51	3333.80	-185.75	198.63	271.95	0.43	0.42	-0.81
79	3382.00	7.25	131.51	3364.55	-188.33	201.54	275.84	0.19	0.19	0.00
80	3413.00	7.13	131.51	3395.31	-190.90	204.45	279.72	0.39	-0.39	0.00
81	3445.00	7.06	131.51	3427.06	-193.52	207.41	283.67	0.22	-0.22	0.00
82	3476.00	6.94	132.01	3457.83	-196.04	210.23	287.44	0.43	-0.39	1.61
83	3539.00	6.75	132.51	3520.38	-201.09	215.79	294.95	0.32	-0.30	0.79
84	3570.00	6.63	134.89	3551.17	-203.58	218.40	298.56	0.97	-0.39	7.68
85	3602.00	7.00	136.51	3582.94	-206.30	221.05	302.36	1.30	1.16	5.06
86	3633.00	7.31	136.76	3613.70	-209.11	223.70	306.21	1.01	1.00	0.81
87	3664.00	7.31	136.76	3644.45	-211.98	226.40	310.15	0.00	0.00	0.00
88	3696.00	7.38	136.14	3676.19	-214.95	229.22	314.23	0.33	0.22	-1.94
89	3727.00	7.50	136.51	3706.93	-217.85	231.99	318.24	0.42	0.39	1.19
C.H. Top 90	3758.00	7.50	136.76	3737.66	-220.79	234.77	322.28	0.11	0.00	0.81
91	3788.00	7.50	136.89	3767.40	-223.65	237.45	326.19	0.06	0.00	0.43
92	3820.00	7.56	136.64	3799.13	-226.70	240.32	330.38	0.21	0.19	-0.78
93	3851.00	7.44	136.39	3829.86	-229.64	243.11	334.42	0.40	-0.39	-0.81
94	3882.00	7.56	135.76	3860.60	-232.55	245.91	338.46	0.47	0.39	-2.03
95	3913.00	7.69	133.89	3891.32	-235.45	248.83	342.57	0.90	0.42	-6.03
96	3944.00	7.88	133.39	3922.04	-238.35	251.87	346.77	0.65	0.61	-1.61
97	3974.00	7.88	133.64	3951.76	-241.18	254.85	350.88	0.11	0.00	0.83
98	4006.00	7.94	134.01	3983.45	-244.23	258.03	355.28	0.25	0.19	1.16
99	4037.00	7.88	134.01	4014.16	-247.19	261.10	359.55	0.19	-0.19	0.00
100	4068.00	7.75	133.89	4044.87	-250.12	264.13	363.77	0.42	-0.42	-0.39
101	4100.00	7.69	134.26	4076.58	-253.11	267.22	368.06	0.24	-0.19	1.16
102	4131.00	7.75	133.76	4107.30	-256.00	270.22	372.23	0.29	0.19	-1.61
103	4162.00	7.88	134.01	4138.01	-258.93	273.25	376.44	0.43	0.42	0.81
104	4193.00	7.88	133.76	4168.72	-261.87	276.32	380.69	0.11	0.00	-0.81
105	4225.00	7.81	133.39	4200.42	-264.88	279.48	385.06	0.27	-0.22	-1.16
106	4257.00	7.75	133.26	4232.12	-267.85	282.63	389.39	0.20	-0.19	-0.41
107	4289.00	7.69	132.64	4263.83	-270.78	285.78	393.69	0.32	-0.19	-1.94
108	4321.00	7.50	132.51	4295.55	-273.64	288.89	397.92	0.60	-0.59	-0.41
109	4351.00	7.50	132.14	4325.29	-276.28	291.79	401.83	0.16	0.00	-1.23

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110	4383.00	7.50	131.76	4357.02	-279.07	294.89	406.01	0.15	0.00	-1.19
111	4414.00	7.56	131.39	4387.75	-281.77	297.93	410.07	0.25	0.19	-1.19
112	4446.00	7.06	130.89	4419.49	-284.45	301.00	414.14	1.58	-1.56	-1.56
M.V. Base 113	4477.00	6.81	131.01	4450.27	-286.90	303.83	417.88	0.81	-0.81	0.39
114	4508.00	6.69	131.51	4481.05	-289.30	306.57	421.52	0.43	-0.39	1.61
115	4538.00	6.56	131.64	4510.85	-291.60	309.15	424.98	0.44	-0.43	0.43
116	4538.00	6.56	131.64	4510.85	-291.60	309.15	424.98	0.00	0.00	0.00
117	4569.00	6.56	132.26	4541.65	-293.97	311.79	428.52	0.23	0.00	2.00
118	4600.00	6.44	131.89	4572.45	-296.32	314.39	432.03	0.41	-0.39	-1.19
119	4632.00	6.38	131.89	4604.25	-298.71	317.05	435.60	0.19	-0.19	0.00
120	4663.00	6.31	132.39	4635.06	-301.00	319.59	439.03	0.29	-0.23	1.61
121	4694.00	6.31	132.39	4665.87	-303.30	322.11	442.43	0.00	0.00	0.00
122	4725.00	6.44	134.01	4696.68	-305.66	324.62	445.87	0.72	0.42	5.23
123	4756.00	6.44	134.64	4727.48	-308.09	327.11	449.35	0.23	0.00	2.03
124	4787.00	6.63	135.76	4758.28	-310.59	329.59	452.88	0.74	0.61	3.61
125	4818.00	6.56	135.39	4789.08	-313.13	332.08	456.43	0.26	-0.23	-1.19
126	4849.00	6.44	136.38	4819.88	-315.65	334.53	459.94	0.53	-0.39	3.19
127	4881.00	6.56	138.39	4851.67	-318.32	336.98	463.55	0.80	0.38	6.28
128	4913.00	6.75	139.39	4883.46	-321.11	339.42	467.24	0.70	0.59	3.13
129	4944.00	6.69	140.26	4914.24	-323.88	341.76	470.85	0.38	-0.19	2.81
130	4976.00	6.63	139.14	4946.03	-326.72	344.16	474.54	0.45	-0.19	-3.50
131	5007.00	6.81	134.89	4976.82	-329.37	346.63	478.15	1.71	0.58	-13.71
132	5039.00	7.00	131.64	5008.58	-332.00	349.43	482.00	1.36	0.59	-10.16
133	5071.00	6.94	131.76	5040.35	-334.58	352.33	485.88	0.19	-0.19	0.37
134	5102.00	7.00	131.51	5071.12	-337.08	355.14	489.64	0.22	0.19	-0.81
135	5134.00	7.44	132.64	5102.86	-339.78	358.13	493.66	1.44	1.38	3.53
136	5165.00	7.81	133.26	5133.59	-342.58	361.14	497.77	1.22	1.19	2.00
137	5196.00	7.75	133.76	5164.30	-345.47	364.18	501.97	0.29	-0.19	1.61
138	5228.00	7.63	134.51	5196.02	-348.45	367.25	506.25	0.49	-0.37	2.34
139	5258.00	7.63	133.76	5225.75	-351.23	370.11	510.24	0.33	0.00	-2.50
140	5289.00	7.50	132.26	5256.48	-354.01	373.10	514.32	0.76	-0.42	-4.84
141	5320.00	7.25	132.64	5287.23	-356.70	376.03	518.29	0.82	-0.81	1.23
142	5352.00	6.94	132.89	5318.98	-359.38	378.93	522.25	0.97	-0.97	0.78
143	5382.00	6.69	132.51	5348.77	-361.79	381.55	525.81	0.85	-0.83	-1.27
144	5413.00	6.50	132.39	5379.56	-364.20	384.18	529.37	0.61	-0.61	-0.39
145	5444.00	6.38	132.26	5410.37	-366.54	386.75	532.84	0.39	-0.39	-0.42
146	5475.00	6.38	133.51	5441.18	-368.88	389.27	536.29	0.45	0.00	4.03

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147	5507.00	6.50	135.64	5472.97	-371.40	391.83	539.88	0.84	0.37	6.66
148	5538.00	6.88	137.51	5503.76	-374.02	394.31	543.48	1.41	1.23	6.03
149	5567.00	6.75	137.76	5532.56	-376.57	396.63	546.91	0.46	-0.45	0.86
150	5599.00	6.94	138.26	5564.33	-379.40	399.18	550.71	0.62	0.59	1.56
151	5630.00	7.25	139.01	5595.09	-382.28	401.71	554.53	1.04	1.00	2.42
152	5662.00	7.38	139.51	5626.83	-385.36	404.37	558.58	0.45	0.41	1.56
153	5694.00	7.31	139.64	5658.57	-388.48	407.02	562.64	0.22	-0.22	0.41
154	5724.00	7.38	137.76	5688.32	-391.36	409.55	566.46	0.83	0.23	-6.27
155	5756.00	7.56	136.51	5720.05	-394.41	412.38	570.61	0.76	0.56	-3.91
156	5787.00	7.50	137.14	5750.78	-397.37	415.16	574.67	0.33	-0.19	2.03
157	5819.00	7.50	136.89	5782.51	-400.42	418.01	578.84	0.10	0.00	-0.78
158	5850.00	7.63	135.01	5813.24	-403.36	420.85	582.91	0.90	0.42	-6.06
159	5882.00	7.63	133.14	5844.96	-406.31	423.90	587.16	0.78	0.00	-5.84
160	5913.00	7.75	131.89	5875.68	-409.12	426.96	591.31	0.66	0.39	-4.03
161	5944.00	7.94	129.51	5906.39	-411.87	430.16	595.53	1.21	0.61	-7.68
162	5976.00	8.06	128.76	5938.08	-414.68	433.62	599.98	0.50	0.37	-2.34
163	6006.00	7.94	128.14	5967.78	-417.28	436.89	604.14	0.49	-0.40	-2.07
164	6037.00	7.69	128.01	5998.50	-419.88	440.21	608.33	0.81	-0.81	-0.42
165	6069.00	7.44	128.01	6030.22	-422.47	443.53	612.53	0.78	-0.78	0.00
166	6099.00	7.31	128.64	6059.97	-424.86	446.55	616.36	0.51	-0.43	2.10
167	6131.00	7.13	129.26	6091.72	-427.39	449.67	620.37	0.61	-0.56	1.94
168	6163.00	6.88	129.76	6123.48	-429.87	452.69	624.27	0.80	-0.78	1.56
169	6194.00	6.88	129.76	6154.25	-432.25	455.54	627.97	0.00	0.00	0.00
<i>Kd Top</i> 170	6223.00	7.13	130.89	6183.04	-434.54	458.24	631.51	0.98	0.86	3.90
171	6254.00	7.56	131.26	6213.78	-437.14	461.22	635.47	1.40	1.39	1.19
172	6286.00	7.75	131.76	6245.50	-439.97	464.42	639.73	0.63	0.59	1.56
173	6316.00	7.81	132.64	6275.22	-442.69	467.42	643.79	0.44	0.20	2.93
174	6349.00	7.63	131.01	6307.92	-445.65	470.73	648.22	0.86	-0.55	-4.94
175	6380.00	7.56	129.14	6338.65	-448.29	473.86	652.31	0.83	-0.23	-6.03
176	6411.00	7.38	127.14	6369.39	-450.78	477.03	656.32	1.02	-0.58	-6.45
177	6443.00	7.31	125.89	6401.13	-453.21	480.32	660.38	0.55	-0.22	-3.91
178	6474.00	7.38	126.01	6431.87	-455.54	483.53	664.31	0.23	0.23	0.39
179	6505.00	7.38	126.01	6462.61	-457.88	486.75	668.26	0.00	0.00	0.00
180	6536.00	7.38	125.89	6493.36	-460.22	489.97	672.21	0.05	0.00	-0.39
181	6567.00	7.31	127.31	6524.10	-462.58	493.15	676.15	0.63	-0.23	4.58
182	6597.00	7.19	130.39	6553.86	-464.95	496.10	679.92	1.36	-0.40	10.27
183	6629.00	7.13	132.01	6585.61	-467.58	499.10	683.91	0.66	-0.19	5.06



Weatherford

Client : XTO Energy
Well : Martin Gas Com B #1F
Location : San Juan Co, NM
License :

Page: 6
Date : 5/31/2007
File : 4011669

UWI #:

Vertical Section Calculated Along Azimuth 133.33°

KB Elevation = 5849.00ft GR. Elevation = 5834.00ft

	MD ft	Inc deg	Azi deg	TVD ft	North ft	East ft	V'Sect ft	D'Leg °/100	Build °/100	Turn °/100
184	6659.00	7.19	134.14	6615.38	-470.13	501.83	687.64	0.91	0.20	7.10
185	6691.00	7.38	135.01	6647.12	-472.98	504.72	691.70	0.69	0.59	2.72
186	6715.00	7.50	135.51	6670.92	-475.19	506.91	694.81	0.57	0.50	2.08
<u>EXT</u>	6761.00	7.50	135.51	6716.53	-479.47	511.12	700.81	0.00	0.00	0.00

Bottom Hole Closure 700.81ft Along Azimuth 133.17°