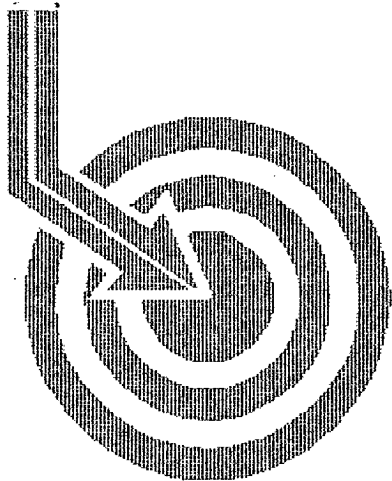


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Scientific Drilling

McELVAIN OIL & GAS

Field: Blanco Mesa Verde
Site: Rio Arriba County, NM
Well: Badger 11 #1B
Wellpath: DH - Job #33D0110012
Survey: 01/21/10-02/15/10

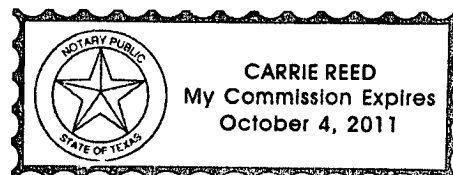


This survey is correct to the best of my knowledge and is supported by actual field data.

Robert
Company Representative

Notarized this date 11th of March, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: McELVAIN OIL & GAS	Date: 2/23/2010	Time: 12:13:27	Page: 1
Field: Blanco Mesa Verde	Co-ordinate(NE) Reference:	Site: Rio Arriba County, NM, True North	
Site: Rio Arriba County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Badger 11 #1B	Section (VS) Reference:	Well (0.00N,0.00E,276.93Azi)	
Wellpath: DH - Job #33D0110012	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 01/21/10-02/15/10	Start Date: 1/21/2010
E-field 0'-6398'	
Company: Scientific Drilling Internatio	Engineer: Kiser/Geiser/Ely/Flower/Rogers
Tool: E-field,E-field	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.0	0.00	359.54	0.0	0.0	0.0	0.0	0.00	0.0	0.00
625.0	0.97	69.83	625.0	-4.7	1.8	5.0	0.16	5.3	69.83
658.0	1.02	69.83	658.0	-5.2	2.0	5.5	0.15	5.9	69.83
688.0	1.11	75.45	688.0	-5.7	2.2	6.0	0.46	6.4	70.08
719.0	0.81	32.90	719.0	-6.1	2.4	6.4	2.42	6.9	69.22
749.0	1.40	331.45	749.0	-6.0	2.9	6.4	4.13	7.0	65.23
779.0	2.49	317.35	778.9	-5.3	3.7	5.8	3.94	6.9	56.99
810.0	3.53	312.38	809.9	-4.0	4.9	4.6	3.46	6.7	43.32
841.0	4.42	308.90	840.8	-2.2	6.3	3.0	2.97	6.9	25.33
871.0	5.38	305.65	870.7	0.0	7.8	0.9	3.33	7.9	6.78
901.0	6.29	302.41	900.6	2.7	9.5	-1.6	3.22	9.7	350.47
931.0	7.54	301.32	930.3	6.0	11.4	-4.7	4.19	12.3	337.78
962.0	8.24	300.55	961.0	9.9	13.6	-8.3	2.28	16.0	328.57
992.0	8.90	299.48	990.7	14.0	15.9	-12.2	2.26	20.0	322.44
1024.0	9.77	296.77	1022.3	18.9	18.3	-16.8	3.05	24.8	317.49
1055.0	10.26	295.68	1052.8	23.9	20.7	-21.6	1.69	29.9	313.74
1087.0	11.79	293.16	1084.2	29.8	23.2	-27.2	5.01	35.7	310.47
1119.0	12.94	291.47	1115.5	36.4	25.8	-33.5	3.77	42.3	307.57
1150.0	14.04	289.62	1145.6	43.4	28.3	-40.3	3.81	49.3	305.11
1182.0	15.06	288.06	1176.6	51.3	30.9	-47.9	3.41	57.0	302.84
1214.0	15.95	286.85	1207.4	59.7	33.5	-56.1	2.96	65.3	300.84
1245.0	16.83	285.72	1237.2	68.3	35.9	-64.5	3.02	73.8	299.14
1277.0	17.59	284.60	1267.7	77.7	38.4	-73.6	2.59	83.0	297.56
1309.0	18.25	284.07	1298.2	87.5	40.8	-83.1	2.12	92.6	296.16
1341.0	19.02	283.21	1328.5	97.6	43.3	-93.1	2.55	102.6	294.92
1373.0	19.95	282.08	1358.7	108.2	45.6	-103.5	3.14	113.1	293.77
1405.0	21.00	280.78	1388.6	119.4	47.8	-114.5	3.58	124.0	292.67
1437.0	22.02	280.17	1418.4	131.1	49.9	-126.0	3.26	135.5	291.62
1469.0	22.92	279.31	1448.0	143.3	52.0	-138.1	2.99	147.5	290.64
1500.0	23.79	278.42	1476.4	155.6	53.9	-150.2	3.03	159.6	289.74
1532.0	24.45	277.18	1505.7	168.7	55.7	-163.2	2.60	172.4	288.84
1565.0	24.98	275.84	1535.6	182.5	57.2	-176.9	2.34	185.9	287.93
1596.0	25.65	275.13	1563.7	195.7	58.5	-190.1	2.37	198.9	287.11
1627.0	26.33	274.59	1591.5	209.3	59.6	-203.6	2.32	212.1	286.33
1659.0	27.39	274.32	1620.1	223.7	60.8	-218.0	3.33	226.3	285.58
1691.0	28.40	273.66	1648.3	238.7	61.8	-232.9	3.30	241.0	284.86
1723.0	29.21	273.00	1676.4	254.1	62.7	-248.3	2.72	256.1	284.17
1754.0	30.13	273.10	1703.3	269.4	63.5	-263.7	2.97	271.2	283.55
1786.0	30.72	272.64	1730.9	285.6	64.3	-279.8	1.98	287.1	282.95
1818.0	31.31	273.14	1758.3	302.0	65.2	-296.3	2.01	303.4	282.40
1849.0	32.12	273.55	1784.7	318.3	66.1	-312.6	2.70	319.5	281.94
1881.0	33.25	274.25	1811.6	335.5	67.3	-329.8	3.72	336.6	281.53
1913.0	34.45	274.43	1838.2	353.3	68.6	-347.6	3.76	354.3	281.17
1977.0	36.37	274.30	1890.4	390.4	71.5	-384.6	3.00	391.1	280.53
2041.0	36.87	273.94	1941.7	428.5	74.2	-422.6	0.85	429.1	279.96
2104.0	37.71	273.49	1991.9	466.6	76.7	-460.7	1.40	467.1	279.45
2168.0	37.98	272.68	2042.4	505.8	78.8	-499.9	0.88	506.1	278.96
2231.0	38.42	272.11	2091.9	544.6	80.4	-538.9	0.89	544.8	278.49
2295.0	38.39	271.56	2142.1	584.2	81.7	-578.6	0.54	584.3	278.04



Scientific Drilling International, Inc.

Survey Report

Company: McELVAIN OIL & GAS
Field: Blanco Mesa Verde
Site: Rio Arriba County, NM
Well: Badger 11 #1B
Wellpath: DH - Job #33D0110012

Date: 2/23/2010 Time: 12:13:27 Page: 2
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,276.93Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2359.0	38.75	271.28	2192.1	623.9	82.7	-618.5	0.63	624.0	277.61
2422.0	38.46	271.31	2241.3	663.1	83.6	-657.8	0.46	663.1	277.24
2486.0	37.47	272.35	2291.8	702.3	84.8	-697.1	1.84	702.3	276.94
2550.0	36.81	274.27	2342.8	740.8	87.0	-735.7	2.08	740.8	276.75
2613.0	35.95	274.29	2393.5	778.2	89.8	-773.0	1.37	778.2	276.63
2677.0	36.06	274.17	2445.3	815.7	92.6	-810.5	0.20	815.8	276.52
2741.0	36.26	273.57	2497.0	853.5	95.2	-848.2	0.64	853.5	276.40
2804.0	35.98	273.39	2547.9	890.5	97.4	-885.2	0.48	890.6	276.28
2868.0	35.70	274.11	2599.8	927.9	99.9	-922.6	0.79	928.0	276.18
2931.0	35.68	275.24	2650.9	964.7	102.9	-959.3	1.05	964.8	276.12
2995.0	35.91	274.71	2702.8	1002.1	106.1	-996.5	0.60	1002.2	276.08
3057.0	36.07	275.05	2753.0	1038.5	109.2	-1032.9	0.41	1038.6	276.04
3120.0	35.81	275.70	2804.0	1075.4	112.7	-1069.7	0.73	1075.6	276.01
3184.0	35.75	275.19	2855.9	1112.9	116.2	-1106.9	0.48	1113.0	275.99
3247.0	35.20	277.18	2907.2	1149.4	120.1	-1143.3	2.03	1149.6	276.00
3311.0	34.74	277.56	2959.7	1186.1	124.9	-1179.6	0.80	1186.2	276.04
3373.0	34.48	277.97	3010.7	1221.3	129.6	-1214.5	0.56	1221.4	276.09
3437.0	33.63	278.59	3063.7	1257.1	134.8	-1250.0	1.43	1257.2	276.15
3500.0	34.02	277.40	3116.1	1292.2	139.6	-1284.7	1.22	1292.3	276.20
3564.0	33.69	277.96	3169.2	1327.8	144.4	-1320.1	0.71	1327.9	276.24
3627.0	32.99	279.97	3221.9	1362.4	149.8	-1354.3	2.08	1362.5	276.31
3693.0	33.36	280.79	3277.1	1398.5	156.3	-1389.8	0.88	1398.5	276.42
3756.0	34.46	280.84	3329.4	1433.6	162.9	-1424.3	1.75	1433.6	276.52
3820.0	34.87	279.89	3382.0	1469.9	169.4	-1460.1	1.06	1469.9	276.62
3884.0	33.96	280.07	3434.8	1506.0	175.7	-1495.7	1.43	1506.0	276.70
3947.0	33.32	279.57	3487.3	1540.9	181.7	-1530.1	1.11	1540.9	276.77
4011.0	33.73	278.36	3540.6	1576.2	187.2	-1565.0	1.23	1576.2	276.82
4075.0	33.84	278.12	3593.8	1611.8	192.3	-1600.3	0.27	1611.8	276.85
4138.0	34.42	277.27	3646.0	1647.1	197.0	-1635.3	1.19	1647.1	276.87
4203.0	34.65	275.69	3699.5	1684.0	201.2	-1671.9	1.42	1684.0	276.86
4253.0	34.54	275.66	3740.7	1712.3	204.0	-1700.1	0.22	1712.3	276.84
4317.0	34.14	275.38	3793.5	1748.4	207.4	-1736.1	0.67	1748.4	276.81
4349.0	32.90	274.43	3820.2	1766.1	209.0	-1753.7	4.21	1766.1	276.79
4440.0	32.52	273.88	3896.8	1815.2	212.5	-1802.7	0.53	1815.2	276.72
4507.0	33.41	274.17	3953.0	1851.6	215.1	-1839.1	1.35	1851.6	276.67
4571.0	32.66	273.47	4006.6	1886.4	217.4	-1873.9	1.31	1886.5	276.62
4635.0	31.73	274.62	4060.8	1920.5	219.8	-1907.9	1.74	1920.5	276.57
4667.0	31.91	275.10	4088.0	1937.4	221.2	-1924.7	0.97	1937.4	276.56
4700.0	31.86	275.86	4116.0	1954.8	222.9	-1942.1	1.23	1954.8	276.55
4731.0	31.78	275.67	4142.3	1971.1	224.5	-1958.3	0.41	1971.2	276.54
4763.0	31.89	275.55	4169.5	1988.0	226.2	-1975.1	0.40	1988.1	276.53
4795.0	31.60	273.78	4196.7	2004.8	227.6	-1991.9	3.05	2004.9	276.52
4827.0	31.00	273.86	4224.1	2021.4	228.7	-2008.5	1.88	2021.5	276.50
4860.0	29.76	274.69	4252.5	2038.1	229.9	-2025.2	3.97	2038.2	276.48
4892.0	28.51	275.32	4280.5	2053.7	231.3	-2040.7	4.02	2053.7	276.47
4924.0	27.53	275.32	4308.7	2068.7	232.7	-2055.6	3.06	2068.8	276.46
4956.0	26.59	275.96	4337.2	2083.2	234.1	-2070.1	3.08	2083.3	276.45
4988.0	25.63	275.24	4366.0	2097.3	235.5	-2084.1	3.16	2097.4	276.45
5021.0	25.39	275.54	4395.8	2111.5	236.8	-2098.3	0.83	2111.6	276.44
5053.0	24.14	275.72	4424.8	2124.9	238.1	-2111.6	3.91	2125.0	276.43
5115.0	21.81	278.86	4481.9	2149.1	241.2	-2135.6	4.25	2149.2	276.44
5179.0	18.51	280.36	4542.0	2171.2	244.8	-2157.4	5.22	2171.2	276.47



Scientific
Drilling

Scientific Drilling International, Inc.

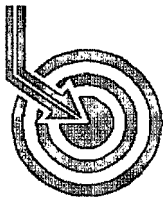
Survey Report

Company: McELVAIN OIL & GAS
Field: Blanco Mesa Verde
Site: Rio Arriba County, NM
Well: Badger 11 #1B
Wellpath: DH - Job #33D0110012

Date: 2/23/2010 Time: 12:13:27 Page: 3
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,276.93Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

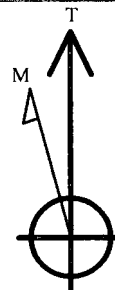
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
5243.0	15.92	280.95	4603.1	2190.1	248.3	-2176.0	4.06	2190.1	276.51
5308.0	14.01	280.64	4665.9	2206.8	251.5	-2192.5	2.94	2206.9	276.54
5372.0	12.17	280.14	4728.2	2221.3	254.1	-2206.7	2.88	2221.3	276.57
5437.0	10.64	280.71	4791.9	2234.1	256.4	-2219.4	2.36	2234.1	276.59
5501.0	8.87	279.10	4855.0	2244.9	258.3	-2230.1	2.80	2245.0	276.61
5565.0	7.69	278.48	4918.3	2254.1	259.7	-2239.2	1.85	2254.2	276.62
5630.0	6.67	276.80	4982.8	2262.3	260.8	-2247.2	1.60	2262.3	276.62
5694.0	5.69	275.36	5046.5	2269.1	261.5	-2254.1	1.55	2269.2	276.62
5758.0	3.21	270.74	5110.3	2274.1	261.8	-2259.0	3.91	2274.1	276.61
5820.0	2.35	262.91	5172.2	2277.1	261.7	-2262.0	1.51	2277.1	276.60
5884.0	2.38	258.77	5236.1	2279.6	261.3	-2264.6	0.27	2279.6	276.58
5948.0	2.35	257.64	5300.1	2282.1	260.7	-2267.2	0.09	2282.1	276.56
6012.0	1.99	257.59	5364.0	2284.4	260.2	-2269.6	0.56	2284.4	276.54
6076.0	1.91	258.07	5428.0	2286.4	259.8	-2271.7	0.13	2286.5	276.52
6141.0	1.75	257.73	5493.0	2288.4	259.3	-2273.7	0.25	2288.5	276.51
6205.0	1.49	258.68	5556.9	2290.1	259.0	-2275.5	0.41	2290.2	276.49
6269.0	0.93	258.48	5620.9	2291.4	258.7	-2276.8	0.88	2291.5	276.48
6333.0	0.81	239.04	5684.9	2292.2	258.3	-2277.7	0.49	2292.3	276.47
6398.0	0.56	213.51	5749.9	2292.8	257.8	-2278.3	0.60	2292.8	276.46



**Scientific
Drilling**

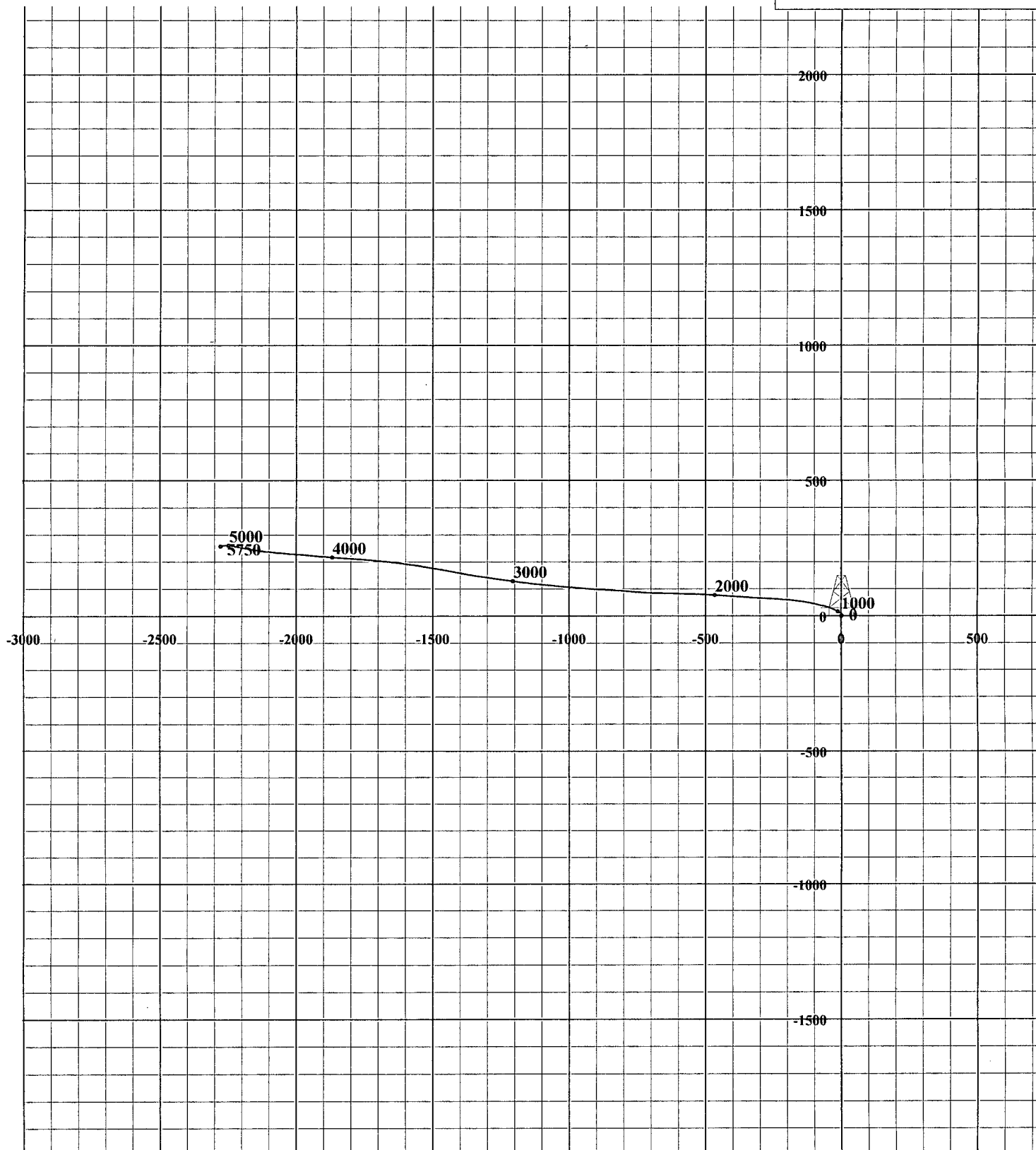
Field: Blanco Mesa Verde
Site: Rio Arriba County, NM
Well: Badger 11 #1B
Survey: 01/21/10-02/15/10



Azimuths to True North
Magnetic North: -6.09°

Strength: 31721nT
Date: 2/23/2010
Model: IGRF2010

South(-)/North(+) [500ft/in]



West(-)/East(+) [500ft/in]