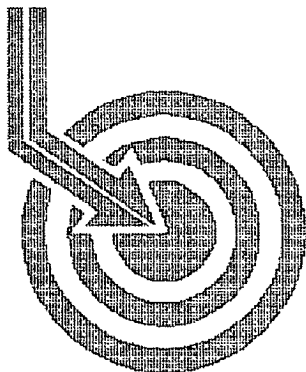




Scientific Drilling

E.O.G. (Enron Oil & Gas)

Field: Morrow
Site: Lea County, NM
Well: Alma 33 State #1
Wellpath: VH - Job #32K0504322/370
Survey: 05/25/04 & 06/11/04

F- 33-13s-35e
1707/W & 1625/W
30-025-36668

FEB 2005
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This survey is correct to the best of my knowledge
and is supported by actual field data.

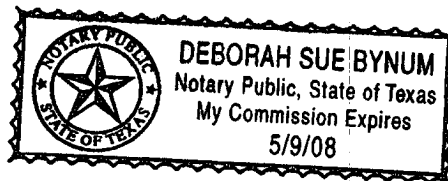
[Signature]

Company Representative

Notorized this date 6th of July, 2004.

[Signature]

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling Survey Report

Company: E.O.G. (Enron Oil & Gas)	Date: 7/6/2004	Time: 08:25:13	Page: 1
Field: Morrow	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Alma 33 State #1	Section (VS) Reference:	Well (0.00N,0.00E,14.86Azi)	
Wellpath: VH - Job #32K0504322/370	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 05/25/04 & 06/11/04	Start Date: 5/25/2004
KSRG 0'-10066' & KSRG 10100'-13839'	
Company: Scientific Drilling	Engineer: Gonzales/Stahl/Carter
Tool: Keeper, Keeper Surface Readout Gyro	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	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.29	41.18	100.0	0.2	0.2	0.2	0.29	0.3	41.18
200.0	0.42	120.52	200.0	0.4	0.2	0.6	0.46	0.7	73.29
300.0	0.42	128.11	300.0	0.1	-0.2	1.3	0.06	1.3	99.85
400.0	0.51	138.35	400.0	-0.3	-0.8	1.8	0.12	2.0	112.90
500.0	0.53	151.76	500.0	-0.9	-1.5	2.4	0.12	2.8	122.81
600.0	0.62	155.97	600.0	-1.6	-2.4	2.8	0.10	3.7	130.90
700.0	0.73	157.16	700.0	-2.5	-3.5	3.3	0.11	4.8	137.04
800.0	0.74	158.25	800.0	-3.6	-4.7	3.7	0.02	6.0	141.37
900.0	0.59	157.14	900.0	-4.5	-5.8	4.2	0.15	7.1	144.00
1000.0	0.63	154.93	1000.0	-5.3	-6.7	4.6	0.05	8.2	145.56
1100.0	0.69	149.30	1099.9	-6.2	-7.7	5.2	0.09	9.3	146.35
1200.0	0.57	150.91	1199.9	-6.9	-8.7	5.7	0.12	10.4	146.74
1300.0	0.62	153.98	1299.9	-7.7	-9.6	6.2	0.06	11.4	147.26
1400.0	0.57	132.53	1399.9	-8.4	-10.4	6.8	0.23	12.5	146.97
1500.0	0.55	138.14	1499.9	-8.8	-11.1	7.5	0.06	13.4	146.13
1600.0	0.45	113.15	1599.9	-9.2	-11.6	8.2	0.24	14.2	145.00
1700.0	0.33	121.30	1699.9	-9.3	-12.0	8.8	0.13	14.8	143.75
1800.0	0.41	112.12	1799.9	-9.4	-12.2	9.3	0.10	15.4	142.64
1900.0	0.37	96.84	1899.9	-9.4	-12.4	10.0	0.11	15.9	141.15
2000.0	0.45	74.05	1999.9	-9.2	-12.3	10.7	0.18	16.3	139.09
2100.0	0.41	58.48	2099.9	-8.7	-12.0	11.4	0.12	16.6	136.64
2200.0	0.20	37.71	2199.9	-8.3	-11.7	11.8	0.23	16.6	134.84
2300.0	0.35	53.90	2299.9	-7.9	-11.4	12.1	0.17	16.7	133.21
2400.0	0.23	30.29	2399.9	-7.5	-11.1	12.5	0.17	16.7	131.50
2500.0	0.31	53.56	2499.9	-7.1	-10.7	12.8	0.13	16.7	129.92
2600.0	0.24	38.21	2599.9	-6.7	-10.4	13.2	0.10	16.8	128.30
2700.0	0.24	40.01	2699.9	-6.3	-10.1	13.4	0.01	16.8	126.87
2800.0	0.22	35.83	2799.9	-5.9	-9.7	13.7	0.03	16.8	125.50
2900.0	0.31	25.10	2899.9	-5.5	-9.3	13.9	0.10	16.7	123.94
3000.0	0.36	48.73	2999.9	-4.9	-8.9	14.2	0.15	16.8	121.99
3100.0	0.37	51.65	3099.9	-4.4	-8.5	14.7	0.02	17.0	119.95
3200.0	0.45	56.83	3199.9	-3.9	-8.1	15.3	0.09	17.3	117.80
3300.0	0.44	61.22	3299.9	-3.3	-7.7	16.0	0.04	17.7	115.65
3400.0	0.79	57.45	3399.9	-2.5	-7.1	16.9	0.35	18.3	112.84
3500.0	1.38	55.44	3499.9	-1.1	-6.1	18.5	0.59	19.4	108.18
3600.0	1.76	54.29	3599.8	1.0	-4.5	20.7	0.38	21.2	102.22
3700.0	2.39	52.19	3699.8	3.8	-2.3	23.6	0.63	23.7	95.59
3800.0	2.98	53.77	3799.7	7.5	0.5	27.3	0.59	27.4	88.94
3900.0	3.38	54.62	3899.5	11.8	3.7	31.8	0.40	32.1	83.29
4000.0	3.33	54.96	3999.3	16.3	7.1	36.6	0.05	37.3	79.00
4100.0	2.51	55.37	4099.2	20.2	10.0	40.8	0.82	42.0	76.19
4200.0	1.91	57.00	4199.1	23.1	12.2	44.0	0.60	45.7	74.52
4300.0	1.64	55.58	4299.1	25.4	13.9	46.6	0.27	48.6	73.38
4400.0	1.36	49.82	4399.0	27.4	15.5	48.7	0.32	51.1	72.36
4500.0	1.18	48.00	4499.0	29.3	16.9	50.3	0.18	53.1	71.41
4600.0	1.05	68.72	4599.0	30.7	18.0	52.0	0.42	55.0	70.94
4700.0	0.94	53.02	4699.0	31.9	18.8	53.5	0.29	56.7	70.65
4800.0	1.01	61.36	4799.0	33.1	19.7	54.9	0.16	58.3	70.27



Scientific Drilling Survey Report

Company: E.O.G. (Enron Oil & Gas)
Field: Morrow
Site: Lea County, NM
Well: Alma 33 State #1
Wellpath: VH - Job #32K0504322/370

Date: 7/6/2004 Time: 08:25:13 Page: 2
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,14.86Azi)
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
4900.0	0.89	51.61	4899.0	34.3	20.6	56.3	0.20	59.9	69.90
5000.0	0.78	44.05	4998.9	35.6	21.6	57.4	0.16	61.3	69.39
5100.0	0.71	36.82	5098.9	36.7	22.6	58.2	0.12	62.4	68.82
5200.0	0.85	32.68	5198.9	38.0	23.7	59.0	0.15	63.6	68.13
5300.0	0.70	34.48	5298.9	39.3	24.8	59.7	0.15	64.7	67.45
5400.0	0.73	39.78	5398.9	40.4	25.8	60.5	0.07	65.8	66.90
5500.0	0.50	27.28	5498.9	41.4	26.7	61.1	0.26	66.7	66.41
5600.0	0.45	19.15	5598.9	42.3	27.4	61.4	0.08	67.3	65.93
5700.0	0.52	36.83	5698.9	43.1	28.2	61.8	0.16	67.9	65.50
5800.0	0.47	22.98	5798.9	43.9	28.9	62.3	0.13	68.6	65.09
5900.0	0.43	13.82	5898.9	44.7	29.6	62.5	0.08	69.2	64.62
6000.0	0.45	350.70	5998.9	45.4	30.4	62.5	0.18	69.5	64.07
6100.0	0.50	335.14	6098.9	46.1	31.2	62.3	0.14	69.7	63.40
6200.0	0.60	331.48	6198.9	46.8	32.0	61.8	0.11	69.7	62.61
6300.0	0.42	349.99	6298.9	47.5	32.9	61.5	0.24	69.8	61.90
6400.0	0.45	15.23	6398.9	48.3	33.6	61.6	0.19	70.1	61.38
6500.0	0.49	33.72	6498.9	49.1	34.3	61.9	0.16	70.8	60.99
6600.0	0.56	36.48	6598.9	49.9	35.1	62.4	0.07	71.6	60.67
6700.0	0.55	32.88	6698.9	50.8	35.9	63.0	0.04	72.5	60.33
6800.0	0.50	15.51	6798.9	51.7	36.7	63.4	0.17	73.2	59.92
6900.0	0.45	8.49	6898.9	52.6	37.5	63.5	0.08	73.8	59.44
7000.0	0.47	332.28	6998.9	53.2	38.3	63.4	0.29	74.1	58.89
7100.0	0.52	317.88	7098.8	53.8	39.0	62.9	0.13	74.0	58.23
7200.0	0.49	321.35	7198.8	54.3	39.6	62.3	0.04	73.9	57.55
7300.0	0.42	320.14	7298.8	54.8	40.3	61.8	0.07	73.8	56.94
7400.0	0.57	321.57	7398.8	55.3	40.9	61.3	0.15	73.7	56.27
7500.0	0.50	314.53	7498.8	55.8	41.6	60.7	0.10	73.6	55.56
7600.0	0.49	325.82	7598.8	56.3	42.3	60.1	0.10	73.5	54.89
7700.0	0.64	307.57	7698.8	56.8	43.0	59.4	0.23	73.4	54.14
7800.0	0.57	316.45	7798.8	57.3	43.7	58.7	0.12	73.1	53.33
7900.0	0.53	318.81	7898.8	57.8	44.4	58.0	0.05	73.0	52.58
8000.0	0.58	318.43	7998.8	58.3	45.1	57.4	0.05	73.0	51.82
8100.0	0.53	314.92	8098.8	58.8	45.8	56.7	0.06	72.9	51.07
8200.0	0.56	339.56	8198.8	59.5	46.6	56.2	0.23	73.0	50.34
8300.0	0.75	358.29	8298.8	60.5	47.7	56.0	0.28	73.6	49.58
8400.0	1.15	12.52	8398.8	62.1	49.3	56.2	0.46	74.8	48.73
8500.0	0.98	8.54	8498.8	64.0	51.2	56.6	0.19	76.3	47.87
8600.0	0.93	12.54	8598.7	65.6	52.8	56.9	0.08	77.6	47.12
8700.0	1.04	14.53	8698.7	67.3	54.5	57.3	0.12	79.0	46.43
8800.0	1.01	17.19	8798.7	69.1	56.2	57.8	0.06	80.6	45.78
8900.0	1.13	12.80	8898.7	71.0	58.0	58.2	0.15	82.2	45.12
9000.0	1.21	18.77	8998.7	73.0	60.0	58.8	0.15	84.0	44.44
9100.0	1.22	23.76	9098.7	75.1	61.9	59.6	0.11	85.9	43.88
9200.0	1.27	30.65	9198.6	77.3	63.9	60.6	0.16	88.0	43.48
9300.0	1.40	37.18	9298.6	79.5	65.8	61.9	0.20	90.3	43.24
9400.0	1.51	38.82	9398.6	81.8	67.8	63.4	0.12	92.8	43.09
9500.0	1.68	35.48	9498.5	84.4	70.0	65.1	0.19	95.6	42.92
9600.0	1.72	37.65	9598.5	87.1	72.4	66.9	0.08	98.6	42.73
9700.0	1.64	34.27	9698.4	89.9	74.8	68.6	0.13	101.5	42.54
9800.0	1.51	35.45	9798.4	92.4	77.0	70.2	0.13	104.2	42.33
9900.0	1.49	38.30	9898.4	94.9	79.1	71.7	0.08	106.8	42.20
10000.0	1.24	33.94	9998.3	97.1	81.0	73.1	0.27	109.2	42.07



Scientific
Drilling

Scientific Drilling Survey Report

Company: E.O.G. (Enron Oil & Gas)
Field: Morrow
Site: Lea County, NM
Well: Alma 33 State #1
Wellpath: VH - Job #32K0504322/370

Date: 7/6/2004 Time: 08:25:13 Page: 3
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,14.86Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

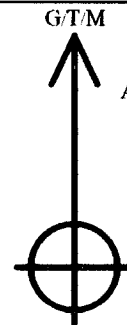
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
10100.0	1.25	36.95	10098.3	99.3	83.0	74.5	0.07	111.5	41.91
10200.0	1.26	36.95	10198.3	101.3	84.7	75.8	0.01	113.7	41.81
10300.0	1.30	42.58	10298.3	103.3	86.4	77.2	0.13	115.9	41.78
10400.0	1.39	43.04	10398.2	105.4	88.1	78.8	0.09	118.2	41.80
10500.0	1.47	40.97	10498.2	107.6	90.0	80.5	0.10	120.7	41.80
10600.0	1.35	43.81	10598.2	109.8	91.8	82.1	0.14	123.2	41.81
10700.0	1.25	40.32	10698.2	111.8	93.5	83.7	0.13	125.5	41.82
10800.0	1.16	41.06	10798.1	113.7	95.1	85.0	0.09	127.6	41.80
10900.0	1.37	34.49	10898.1	115.8	96.8	86.4	0.25	129.8	41.72
11000.0	2.14	7.37	10998.1	118.7	99.7	87.3	1.11	132.5	41.20
11100.0	2.22	3.26	11098.0	122.5	103.5	87.6	0.18	135.6	40.26
11200.0	2.20	358.80	11197.9	126.2	107.3	87.7	0.17	138.6	39.25
11300.0	2.08	359.27	11297.8	129.8	111.1	87.6	0.12	141.5	38.28
11400.0	2.11	358.17	11397.8	133.3	114.7	87.6	0.05	144.3	37.35
11500.0	1.37	351.23	11497.7	136.2	117.7	87.3	0.77	146.6	36.56
11600.0	2.13	220.61	11597.7	135.6	117.5	85.9	3.20	145.6	36.18
11700.0	4.13	213.77	11697.6	130.5	113.1	82.7	2.03	140.1	36.18
11800.0	3.80	215.55	11797.3	124.0	107.4	78.8	0.35	133.2	36.26
11900.0	3.85	215.69	11897.1	117.8	102.0	74.9	0.05	126.5	36.29
12000.0	3.90	217.56	11996.9	111.5	96.6	70.9	0.14	119.8	36.27
12100.0	3.93	217.45	12096.6	105.2	91.1	66.7	0.03	113.0	36.20
12200.0	3.69	221.49	12196.4	99.2	86.0	62.5	0.36	106.3	36.00
12300.0	3.36	220.69	12296.2	93.7	81.4	58.4	0.33	100.2	35.69
12400.0	2.47	224.88	12396.1	89.1	77.6	55.0	0.91	95.2	35.32
12500.0	2.22	228.85	12496.0	85.7	74.8	52.0	0.30	91.1	34.81
12600.0	1.90	239.46	12595.9	82.9	72.7	49.2	0.50	87.8	34.06
12700.0	1.23	245.63	12695.9	81.0	71.4	46.7	0.69	85.4	33.20
12800.0	1.20	252.57	12795.9	79.8	70.7	44.8	0.15	83.7	32.35
12900.0	1.20	248.80	12895.9	78.6	70.0	42.8	0.08	82.0	31.45
13000.0	1.22	250.65	12995.8	77.4	69.3	40.8	0.04	80.4	30.51
13100.0	1.35	260.07	13095.8	76.3	68.7	38.7	0.25	78.8	29.36
13200.0	1.07	279.46	13195.8	75.7	68.6	36.6	0.49	77.8	28.04
13300.0	1.24	276.16	13295.8	75.5	68.9	34.6	0.18	77.1	26.64
13400.0	1.03	298.96	13395.8	75.5	69.5	32.7	0.49	76.8	25.21
13500.0	1.68	297.98	13495.7	76.1	70.6	30.6	0.65	76.9	23.46
13600.0	1.92	305.32	13595.7	77.0	72.2	28.0	0.33	77.5	21.16
13700.0	2.18	306.71	13695.6	78.3	74.4	25.1	0.26	78.5	18.64
13800.0	2.40	308.74	13795.5	79.9	76.8	21.9	0.23	79.9	15.93
13839.8	2.37	312.50	13835.3	80.6	77.9	20.7	0.40	80.6	14.86



**Scientific
Drilling**

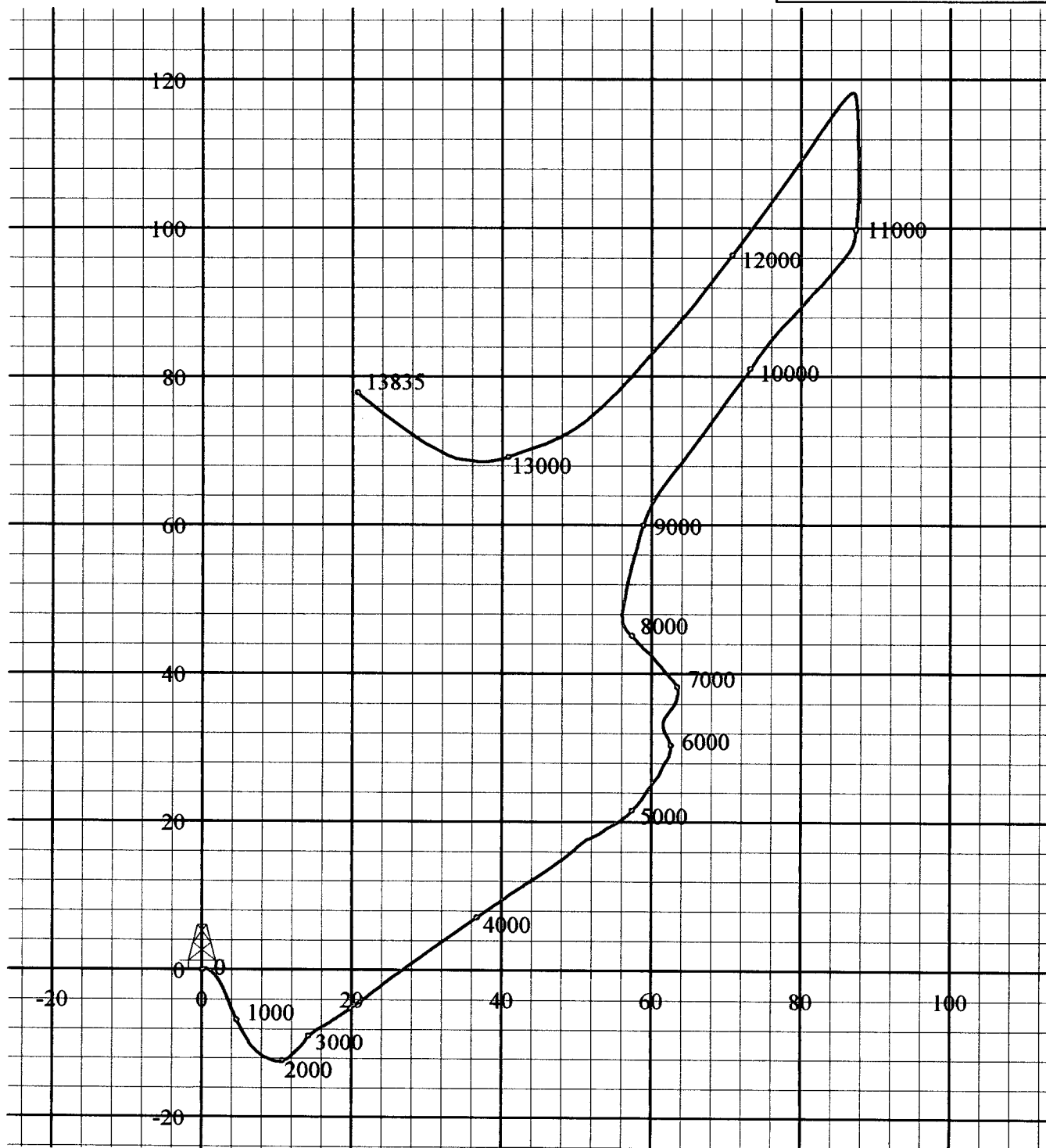
Field: Morrow
Site: Lea County, NM
Well: Alma 33 State #1
Wellpath: VH - Job #32K0504322/370
Survey: 05/25/04 & 06/11/04



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 7/5/2004
Model: igrf2000

South(-)/North(+) [20ft/in]



West(-)/East(+) [20ft/in]