

PathFinder

Survey Report

Company: POGO Producing Company	Date: 1/11/2006	Time: 11:11:41	Page: 1
Field: Pierce Crossing-Bone Spring East	Co-ordinate(NE) Reference:	Site: H Buck State #4-H, True North	
Site: H Buck State #4-H	Vertical (TVD) Reference:	SITE 0.0	
Well: H Buck State #4-H	Section (VS) Reference:	Well (0.00N,0.00E,270.87Azi)	
Wellpath: H Buck State #4-H (Horz)	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Pierce Crossing-Bone Spring East
Eddy County, New Mexico

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Site Centre
Geomagnetic Model: igr2005

Site: H Buck State #4-H
T-24-S & R-29-E
2310' FNL & 330' FEL, Section 16

Site Position:	Northing: 443397.24 ft	Latitude: 32 13 6.700 N
From: Geographic	Easting: 608661.26 ft	Longitude: 103 58 55.100 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 2927.00 ft		Grid Convergence: 0.19 deg

CONFIDENTIAL

Well: H Buck State #4-H

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 443397.24 ft	Latitude: 32 13 6.700 N
+E/-W 0.00 ft	Easting: 608661.26 ft	Longitude: 103 58 55.100 W
Position Uncertainty: 0.00 ft		

Wellpath: H Buck State #4-H (Horz)

Drilled From:	Original Wellpath H Buck State
Tie-on Depth:	0.00 ft
Above System Datum:	Mean Sea Level
Declination:	8.41 deg
Mag Dip Angle:	60.24 deg
+E/-W	Direction
ft	deg
0.00	270.87

Current Datum: SITE	Height 0.00 ft
Magnetic Data: 12/27/2005	
Field Strength: 49153 nT	
Vertical Section: Depth From (TVD)	+N/-S
ft	ft
0.00	0.00

Survey: Pathfinder MWD Surveys

Start Date: 12/28/2005

Company: PathFinder Energy Services
Tool:

Engineer: Greg Putney
Tied-to: From: Definitive Path

Survey: Pathfinder MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7193.00	0.54	187.23	7190.48	46.24	-46.94	47.64	0.00	0.00	0.00	
7235.00	1.67	276.93	7232.47	46.12	-47.58	48.27	4.17	2.69	213.57	
7267.00	6.33	280.35	7264.39	46.49	-49.77	50.48	14.58	14.56	10.69	
7299.00	11.43	273.94	7295.99	47.03	-54.68	55.38	16.21	15.94	-20.03	
7331.00	15.56	268.05	7327.10	47.10	-62.13	62.84	13.59	12.91	-18.41	
7363.00	19.35	266.47	7357.62	46.62	-71.72	72.42	11.93	11.84	-4.94	
7395.00	23.21	265.85	7387.44	45.84	-83.30	83.99	12.08	12.06	-1.94	
7427.00	26.56	268.49	7416.46	45.20	-96.75	97.42	11.03	10.47	8.25	
7459.00	29.63	270.95	7444.69	45.14	-111.81	112.49	10.25	9.59	7.69	
7491.00	33.41	270.25	7471.96	45.31	-128.54	129.21	11.87	11.81	-2.19	
7523.00	37.81	269.72	7497.97	45.30	-147.17	147.84	13.78	13.75	-1.66	
7554.00	42.21	268.66	7521.71	45.01	-167.09	167.75	14.36	14.19	-3.42	
7586.00	46.69	268.75	7544.55	44.50	-189.49	190.14	14.00	14.00	0.28	
7618.00	50.91	270.25	7565.62	44.30	-213.56	214.20	13.65	13.19	4.69	
7650.00	54.52	270.60	7585.01	44.49	-239.01	239.66	11.31	11.28	1.09	
7682.00	57.77	270.77	7602.83	44.81	-265.58	266.23	10.17	10.16	0.53	
7714.00	61.11	270.77	7619.10	45.18	-293.13	293.78	10.44	10.44	0.00	
7746.00	64.63	270.07	7633.69	45.39	-321.60	322.25	11.17	11.00	-2.19	
7778.00	67.53	270.16	7646.66	45.45	-350.85	351.50	9.07	9.06	0.28	
7810.00	70.43	270.16	7658.14	45.53	-380.72	381.37	9.06	9.06	0.00	
7842.00	72.81	270.07	7668.23	45.59	-411.08	411.73	7.44	7.44	-0.28	
7874.00	75.36	270.16	7677.00	45.65	-441.85	442.50	7.97	7.97	0.28	
7906.00	77.21	269.89	7684.59	45.67	-472.94	473.58	5.84	5.78	-0.84	
7938.00	77.65	270.16	7691.55	45.68	-504.17	504.81	1.60	1.37	0.84	

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PathFinder

Survey Report

Company: POGO Producing Company
 Field: Pierce Crossing-Bone Spring East
 Site: H Buck State #4-H
 Well: H Buck State #4-H
 Wellpath: H Buck State #4-H (Horz)

Date: 1/11/2006 Time: 11:11:41 Page: 2
 Co-ordinate(NE) Reference: Site: H Buck State #4-H, True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,270.87Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Pathfinder MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7970.00	79.32	270.25	7697.94	45.79	-535.53	536.16	5.23	5.22	0.28	
8002.00	81.78	270.69	7703.19	46.05	-567.09	567.72	7.81	7.69	1.37	
8034.00	84.06	270.95	7707.14	46.51	-598.84	599.48	7.17	7.12	0.81	
8066.00	86.00	271.21	7709.91	47.11	-630.71	631.36	6.12	6.06	0.81	
8098.00	88.02	271.83	7711.58	47.96	-662.66	663.31	6.60	6.31	1.94	
8130.00	89.69	271.83	7712.22	48.98	-694.63	695.30	5.22	5.22	0.00	
8162.00	89.96	271.83	7712.32	50.00	-726.62	727.29	0.84	0.84	0.00	
8194.00	90.13	271.92	7712.29	51.05	-758.60	759.29	0.60	0.53	0.28	
8226.00	90.57	271.48	7712.10	52.00	-790.58	791.28	1.94	1.37	-1.37	
8258.00	90.57	271.30	7711.78	52.77	-822.57	823.28	0.56	0.00	-0.56	
8290.00	90.22	271.21	7711.56	53.47	-854.56	855.28	1.13	-1.09	-0.28	
8322.00	90.57	270.86	7711.34	54.05	-886.56	887.28	1.55	1.09	-1.09	
8354.00	91.01	270.51	7710.89	54.43	-918.55	919.27	1.76	1.37	-1.09	
8386.00	91.28	270.16	7710.26	54.62	-950.55	951.27	1.38	0.84	-1.09	
8418.00	91.28	270.42	7709.54	54.78	-982.54	983.26	0.81	0.00	0.81	
8450.00	91.36	270.07	7708.80	54.92	-1014.53	1015.25	1.12	0.25	-1.09	
8482.00	92.15	266.55	7707.82	53.98	-1046.49	1047.19	11.27	2.47	-11.00	
8514.00	92.51	266.99	7706.52	52.17	-1078.42	1079.09	1.78	1.12	1.37	
8546.00	91.80	267.26	7705.32	50.57	-1110.35	1110.99	2.37	-2.22	0.84	
8578.00	91.80	267.52	7704.31	49.11	-1142.31	1142.92	0.81	0.00	0.81	
8610.00	91.98	267.52	7703.26	47.73	-1174.26	1174.85	0.56	0.56	0.00	
8642.00	92.33	267.61	7702.05	46.37	-1206.21	1206.77	1.13	1.09	0.28	
8674.00	91.01	268.58	7701.12	45.31	-1238.17	1238.72	5.12	-4.12	3.03	
8706.00	90.22	269.54	7700.78	44.78	-1270.17	1270.70	3.89	-2.47	3.00	
8738.00	90.40	269.81	7700.61	44.60	-1302.17	1302.69	1.01	0.56	0.84	
8770.00	90.57	269.72	7700.33	44.47	-1334.16	1334.69	0.60	0.53	-0.28	
8802.00	90.84	269.81	7699.94	44.34	-1366.16	1366.68	0.89	0.84	0.28	
8834.00	91.36	269.98	7699.33	44.28	-1398.16	1398.67	1.71	1.62	0.53	
8866.00	90.66	269.54	7698.76	44.15	-1430.15	1430.66	2.58	-2.19	-1.37	
8898.00	90.48	269.45	7698.44	43.86	-1462.15	1462.65	0.63	-0.56	-0.28	
8930.00	90.48	269.19	7698.18	43.49	-1494.14	1494.63	0.81	0.00	-0.81	
8962.00	90.57	269.10	7697.88	43.01	-1526.14	1526.62	0.40	0.28	-0.28	
8993.00	90.84	269.37	7697.50	42.59	-1557.13	1557.60	1.23	0.87	0.87	
9025.00	91.19	268.93	7696.93	42.12	-1589.13	1589.58	1.76	1.09	-1.37	
9057.00	91.45	268.93	7696.20	41.52	-1621.11	1621.55	0.81	0.81	0.00	
9089.00	91.45	268.49	7695.39	40.80	-1653.09	1653.52	1.37	0.00	-1.37	
9121.00	90.04	268.31	7694.97	39.91	-1685.08	1685.49	4.44	-4.41	-0.56	
9153.00	89.60	267.96	7695.07	38.87	-1717.06	1717.45	1.76	-1.37	-1.09	
9185.00	89.69	269.45	7695.27	38.14	-1749.05	1749.43	4.66	0.28	4.66	
9217.00	90.75	270.77	7695.15	38.21	-1781.05	1781.42	5.29	3.31	4.12	
9249.00	91.10	270.60	7694.63	38.59	-1813.04	1813.42	1.22	1.09	-0.53	
9281.00	91.54	270.69	7693.89	38.95	-1845.03	1845.41	1.40	1.37	0.28	
9313.00	91.71	270.77	7692.99	39.36	-1877.02	1877.40	0.59	0.53	0.25	
9345.00	90.57	271.21	7692.35	39.91	-1909.00	1909.39	3.82	-3.56	1.37	
9377.00	89.69	271.30	7692.28	40.61	-1941.00	1941.39	2.76	-2.75	0.28	
9409.00	89.52	271.48	7692.50	41.39	-1972.99	1973.39	0.77	-0.53	0.56	
9441.00	90.66	271.74	7692.45	42.28	-2004.97	2005.38	3.65	3.56	0.81	
9473.00	91.63	271.65	7691.81	43.23	-2036.95	2037.37	3.04	3.03	-0.28	
9505.00	91.80	271.21	7690.85	44.03	-2068.93	2069.36	1.47	0.53	-1.37	
9537.00	90.75	270.51	7690.14	44.51	-2100.92	2101.35	3.94	-3.28	-2.19	
9569.00	89.43	270.77	7690.09	44.87	-2132.91	2133.35	4.20	-4.12	0.81	
9601.00	88.02	270.25	7690.80	45.15	-2164.90	2165.34	4.70	-4.41	-1.62	
9633.00	87.14	270.60	7692.15	45.39	-2196.87	2197.31	2.96	-2.75	1.09	

PathFinder

Survey Report

Company: POGO Producing Company
 Field: Pierce Crossing-Bone Spring East
 Site: H Buck State #4-H
 Well: H Buck State #4-H
 Wellpath: H Buck State #4-H (Horz)

Date: 1/11/2006 Time: 11:11:41 Page: 3
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 Section (VS) Reference: Well (0.00N,0.00E,270.87Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Pathfinder MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
9665.00	87.05	270.42	7693.77	45.67	-2228.83	2229.27	0.63	-0.28	-0.56	
9697.00	86.88	269.72	7695.47	45.71	-2260.79	2261.22	2.25	-0.53	-2.19	
9729.00	86.97	269.72	7697.18	45.56	-2292.74	2293.17	0.28	0.28	0.00	
9761.00	87.05	269.37	7698.85	45.30	-2324.69	2325.11	1.12	0.25	-1.09	
9793.00	86.97	269.89	7700.52	45.10	-2356.65	2357.06	1.64	-0.25	1.62	
9826.00	87.23	270.16	7702.19	45.11	-2389.61	2390.02	1.14	0.79	0.82	
9858.00	88.46	270.69	7703.40	45.35	-2421.58	2421.99	4.18	3.84	1.66	
9890.00	89.78	271.21	7703.89	45.88	-2453.57	2453.99	4.43	4.12	1.62	
9922.00	90.04	271.65	7703.94	46.68	-2485.56	2485.99	1.60	0.81	1.37	
9954.00	90.22	272.09	7703.86	47.72	-2517.55	2517.98	1.49	0.56	1.37	
9984.00	91.28	271.74	7703.47	48.72	-2547.53	2547.97	3.72	3.53	-1.17	
10016.00	91.45	271.92	7702.71	49.74	-2579.50	2579.96	0.77	0.53	0.56	
10048.00	91.45	271.39	7701.90	50.67	-2611.48	2611.95	1.66	0.00	-1.66	
10080.00	91.10	271.48	7701.19	51.47	-2643.46	2643.94	1.13	-1.09	0.28	
10112.00	90.12	271.12	7700.85	52.20	-2675.45	2675.93	3.26	-3.06	-1.12	
10144.00	90.75	271.12	7700.60	52.82	-2707.44	2707.93	1.97	1.97	0.00	
10177.00	90.66	268.93	7700.20	52.84	-2740.44	2740.92	6.64	-0.27	-6.64	
10208.00	90.66	269.02	7699.84	52.28	-2771.43	2771.91	0.29	0.00	0.29	
10240.00	90.66	269.89	7699.47	51.98	-2803.43	2803.89	2.72	0.00	2.72	
10272.00	90.75	270.33	7699.08	52.04	-2835.42	2835.89	1.40	0.28	1.37	
10304.00	91.01	270.33	7698.59	52.22	-2867.42	2867.88	0.81	0.81	0.00	
10336.00	90.84	270.16	7698.07	52.36	-2899.42	2899.88	0.75	-0.53	-0.53	
10368.00	90.92	269.81	7697.58	52.35	-2931.41	2931.87	1.12	0.25	-1.09	
10400.00	90.84	269.45	7697.09	52.14	-2963.41	2963.86	1.15	-0.25	-1.12	
10432.00	90.57	269.37	7696.69	51.81	-2995.40	2995.84	0.88	-0.84	-0.25	
10464.00	90.13	269.02	7696.50	51.36	-3027.40	3027.83	1.76	-1.37	-1.09	
10496.00	90.31	269.10	7696.38	50.84	-3059.39	3059.81	0.62	0.56	0.25	
10528.00	91.63	269.19	7695.83	50.36	-3091.39	3091.79	4.13	4.12	0.28	
10560.00	92.07	269.10	7694.80	49.89	-3123.37	3123.76	1.40	1.37	-0.28	
10592.00	92.68	269.19	7693.47	49.41	-3155.33	3155.72	1.93	1.91	0.28	
10624.00	92.59	268.75	7692.00	48.83	-3187.30	3187.67	1.40	-0.28	-1.37	
10642.00	92.86	268.75	7691.15	48.44	-3205.27	3205.64	1.50	1.50	0.00	
10686.00	92.86	268.75	7688.95	47.48	-3249.21	3249.55	0.00	0.00	0.00	

POGO Producing Company

"H" Buck State #4-H

Section 16, T-24S & R-29E

Eddy County, New Mexico

Final Surveys 1-11-06

Survey Parameters MWD Surveys (N Buckle Size #4) Buckle Size #4-H (Strick)									
No	MD	Inc	As	TVD	+N/E	-E/W	D/Lg	T/Face	V/Sec
26	8002.00	81.78	270.69	7783.19	46.05	-567.09	7.81	10.04	567.72
27	8034.00	84.66	270.93	7707.14	46.51	-598.84	7.17	6.47	598.68
28	8066.00	87.54	271.18	7631.19	46.97	-630.59	6.53	5.80	630.53
29	8098.00	90.42	271.43	7555.14	47.44	-662.34	6.00	17.02	662.31
30	8130.00	93.30	271.63	7479.12	48.94	-694.03	5.22	0.00	695.30
31	8162.00	96.16	274.31	7411.23	50.00	-734.81	0.84	9.00	735.21
32	8194.00	99.04	274.56	7343.28	51.06	-775.59	0.46	18.00	776.07
33	8226.00	101.92	274.78	7271.10	52.00	-796.58	1.94	45.00	792.28
34	8258.00	104.80	275.00	7201.78	52.77	-822.57	0.56	90.00	823.28
35	8290.00	107.68	275.21	7133.23	53.71	-848.56	1.18	146.00	849.56
36	8322.00	110.57	275.86	7061.54	54.85	-886.56	1.55	45.00	887.28
37	8354.00	113.41	276.51	7000.89	54.43	-918.55	1.70	38.00	918.27
38	8386.00	116.28	276.10	6936.26	54.82	-938.55	1.28	52.34	931.27
39	8418.00	119.15	276.34	6872.56	54.85	-968.55	1.18	52.34	968.27
40	8450.00	122.03	276.57	6808.86	54.92	-1001.53	1.12	77.12	1015.25
41	8482.00	124.91	266.55	7777.83	55.93	-1046.49	11.27	-77.29	1047.19
42	8514.00	127.80	266.99	7708.52	52.17	-1074.42	1.78	50.68	1074.69
43	8546.00	130.68	267.43	7639.21	53.21	-1106.41	2.31	19.12	1106.41
44	8578.00	133.56	267.82	7569.31	49.11	-1142.31	0.31	90.00	1142.92
45	8610.00	136.44	267.52	7500.39	47.73	-1176.26	0.30	90.00	1176.85
46	8642.00	139.33	267.61	7432.05	46.37	-1206.21	1.15	144.1	1206.77
47	8674.00	142.21	267.70	7363.72	45.00	-1236.16	1.15	144.1	1236.77
48	8706.00	145.09	268.54	7295.38	44.78	-1270.17	0.38	129.45	1270.70
49	8738.00	147.97	269.38	7227.04	44.56	-1304.18	0.38	129.45	1304.71
50	8770.00	150.85	267.72	7160.33	44.47	-1334.14	0.30	27.90	1334.69
51	8802.00	153.74	269.81	7093.94	44.34	-1366.16	0.89	18.43	1366.68
52	8834.00	156.62	269.98	7027.55	44.22	-1398.16	1.71	18.10	1398.65
53	8866.00	159.50	269.34	6961.16	44.13	-1430.15	2.38	18.10	1430.65
54	8898.00	162.38	269.19	6894.77	44.05	-1462.13	0.83	-15.44	1462.65
55	8930.00	165.26	269.19	6828.38	43.94	-1494.13	0.31	90.00	1494.63
56	8962.00	168.15	269.10	6761.99	43.01	-1526.14	0.40	45.00	1526.62
57	8994.00	171.03	269.37	6695.58	42.59	-1558.13	1.21	45.00	1558.62
58	9026.00	173.91	269.63	6629.19	42.17	-1589.13	1.70	49.00	1589.58
59	9058.00	176.79	269.48	6562.79	41.52	-1621.11	0.81	90.00	1621.55
60	9090.00	179.67	269.45	6496.39	40.87	-1653.10	0.81	90.00	1653.55
61	9122.00	182.55	269.31	6430.00	39.99	-1685.08	4.44	-17.72	1685.49
62	9153.00	185.40	269.98	6363.61	39.67	-1717.06	1.76	-141.50	1717.45
63	9185.00	189.69	269.45	6295.27	38.84	-1749.03	4.46	86.55	1749.49
64	9217.00	193.98	269.45	6226.93	38.01	-1781.00	4.46	86.55	1781.49
65	9249.00	198.27	270.00	6158.58	37.19	-1813.04	1.22	-25.90	1813.42

No	MD	Inc	As	TVD	M/S	E/W	D/Lag	T/Pan	W/Sec
66	9281.00	91.54	276.69	7693.89	-39.95	-1945.03	1.40	11.56	1841.41
67	9317.00	91.71	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
68	9353.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
69	9390.00	91.71	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
70	9427.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
71	9464.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
72	9501.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
73	9538.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
74	9575.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
75	9612.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
76	9649.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
77	9686.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
78	9723.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
79	9760.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
80	9797.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
81	9834.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
82	9871.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
83	9908.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
84	9945.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
85	9982.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
86	10019.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
87	10056.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
88	10093.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
89	10130.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
90	10167.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
91	10204.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
92	10241.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
93	10278.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
94	10315.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
95	10352.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
96	10389.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
97	10426.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
98	10463.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
99	10500.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46
100	10537.00	91.57	270.77	7682.99	39.16	-1777.02	0.59	23.19	1877.46

PATHFINDER
ENERGY SERVICES

T

M

Azimuths to True North
Magnetic North: 8.41°

Magnetic Field
Strength: 49153nT
Dip Angle: 60.24°
Date: 12/27/2005
Model: igrf2005

COMPANY DETAILS

POGO Producing Company
300 North Marienfeld, Ste. 600
Midland, TX 79701

Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio

