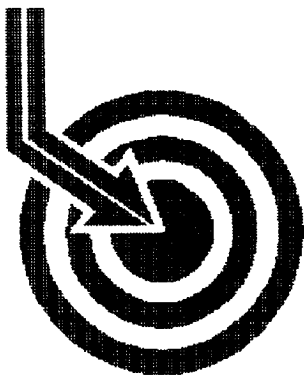


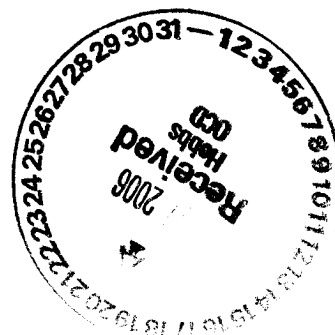


Scientific Drilling

SUR: M-34-15s-35e, 660/S & 1201/W
BHL: N-34-15s-35e, 641/S & 1432/W
API 3 30-025-32812

ENERGEN RESOURCES

Field: WLSU
Site: Lea County, NM
Well: WLSU #9
Wellpath: VH - Job #32K0506387
Survey: 09/08/06



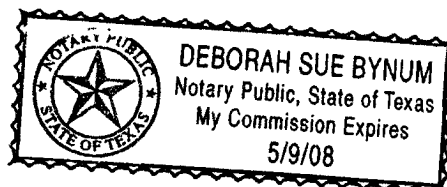
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Wharton..... Company Representative

Notorized this date 14th of November, 2006.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES	Date: 11/07/2006	Time: 12:43:29	Page: 1
Field: WLSU	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: WLSU #9	Section (VS) Reference:	Well (0.00N,0.00E,78.18Azi)	
Wellpath: VH - Job #32K0506387	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 05/15/05	Start Date: 05/15/2006
Company: Scientific Drilling Internatio	Engineer: Guebara/Foster w/Prime
Tool: Keeper,Keeper 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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.51	359.32	100.00	0.09	0.45	-0.01	0.51	0.45	359.32
200.00	0.50	26.52	199.99	0.44	1.28	0.18	0.24	1.29	8.19
300.00	0.49	14.73	299.99	0.90	2.08	0.49	0.10	2.14	13.17
400.00	0.70	352.71	399.99	1.14	3.10	0.52	0.31	3.15	9.49
500.00	0.77	8.02	499.98	1.42	4.38	0.54	0.21	4.41	6.97
600.00	0.54	45.91	599.97	2.05	5.37	0.97	0.48	5.45	10.22
700.00	0.18	94.90	699.97	2.60	5.68	1.46	0.44	5.87	14.43
800.00	0.46	60.79	799.97	3.13	5.87	1.97	0.33	6.19	18.56
900.00	0.35	93.93	899.97	3.81	6.04	2.62	0.25	6.59	23.48
1000.00	0.22	110.36	999.96	4.26	5.95	3.11	0.15	6.72	27.58
1100.00	0.28	74.90	1099.96	4.67	5.95	3.53	0.16	6.92	30.65
1200.00	0.35	144.13	1199.96	5.04	5.77	3.94	0.36	6.98	34.35
1300.00	0.22	180.14	1299.96	5.12	5.33	4.12	0.22	6.73	37.71
1400.00	0.23	109.67	1399.96	5.25	5.07	4.31	0.26	6.65	40.37
1500.00	0.46	149.02	1499.96	5.56	4.65	4.70	0.32	6.62	45.29
1600.00	0.29	191.39	1599.96	5.59	4.06	4.86	0.31	6.33	50.10
1700.00	0.06	135.04	1699.96	5.52	3.78	4.85	0.26	6.14	52.06
1800.00	0.27	165.76	1799.96	5.56	3.51	4.94	0.22	6.06	54.60
1900.00	0.36	207.54	1899.95	5.37	3.01	4.85	0.24	5.71	58.24
2000.00	0.31	219.63	1999.95	4.96	2.52	4.54	0.09	5.19	60.96
2100.00	0.12	215.30	2099.95	4.67	2.22	4.30	0.19	4.84	62.66
2200.00	0.26	116.94	2199.95	4.77	2.04	4.44	0.30	4.89	65.39
2300.00	0.41	132.74	2299.95	5.15	1.69	4.91	0.17	5.19	71.00
2400.00	0.18	149.44	2399.95	5.41	1.31	5.25	0.24	5.41	75.97
2500.00	0.23	44.27	2499.95	5.63	1.32	5.47	0.33	5.63	76.43
2600.00	0.63	61.61	2599.95	6.32	1.73	6.10	0.42	6.34	74.19
2700.00	0.83	71.98	2699.94	7.57	2.21	7.27	0.24	7.60	73.08
2800.00	1.02	82.56	2799.92	9.18	2.55	8.84	0.25	9.20	73.90
2900.00	0.99	71.96	2899.91	10.92	2.93	10.54	0.19	10.94	74.45
3000.00	1.33	61.02	2999.89	12.89	3.76	12.38	0.40	12.94	73.09
3100.00	1.13	57.97	3099.87	14.92	4.85	14.23	0.21	15.04	71.19
3200.00	1.44	51.69	3199.84	16.97	6.15	16.05	0.34	17.19	69.04
3300.00	1.25	64.18	3299.81	19.16	7.40	18.02	0.35	19.48	67.66
3400.00	1.38	49.38	3399.79	21.27	8.66	19.92	0.36	21.72	66.49
3500.00	1.63	59.32	3499.75	23.67	10.17	22.05	0.36	24.29	65.24
3600.00	1.58	62.64	3599.71	26.35	11.53	24.50	0.11	27.08	64.79
3700.00	2.05	63.78	3699.66	29.41	12.96	27.33	0.47	30.25	64.64
3800.00	2.30	70.16	3799.59	33.13	14.43	30.82	0.35	34.03	64.92
3900.00	2.29	69.19	3899.51	37.09	15.82	34.58	0.04	38.02	65.42
4000.00	2.18	69.65	3999.43	40.94	17.19	38.23	0.11	41.92	65.79
4100.00	2.31	67.07	4099.36	44.80	18.64	41.87	0.16	45.83	66.01
4200.00	2.56	73.02	4199.27	49.00	20.07	45.86	0.36	50.06	66.36
4300.00	2.39	72.96	4299.17	53.30	21.34	49.99	0.17	54.35	66.89
4400.00	2.14	73.92	4399.10	57.24	22.46	53.78	0.25	58.28	67.33
4500.00	1.91	77.84	4499.03	60.77	23.33	57.20	0.27	61.78	67.81
4600.00	1.73	82.63	4598.98	63.94	23.88	60.33	0.24	64.88	68.41
4700.00	1.45	87.64	4698.94	66.69	24.12	63.09	0.31	67.54	69.07
4800.00	1.36	98.06	4798.91	69.06	24.01	65.53	0.27	69.79	69.88



Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES
Field: WLSU
Site: Lea County, NM
Well: WLSU #9
Wellpath: VH - Job #32K0506387

Date: 11/07/2006 Time: 13:19:38 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,78.18Azi)
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
4900.00	1.05	96.59	4898.89	71.04	23.74	67.61	0.31	71.66	70.65
5000.00	1.26	78.98	4998.87	73.01	23.84	69.60	0.41	73.57	71.09
5100.00	1.10	89.74	5098.85	75.05	24.06	71.64	0.27	75.57	71.44
5200.00	0.98	84.20	5198.83	76.84	24.15	73.45	0.16	77.32	71.80
5300.00	1.10	83.17	5298.82	78.65	24.35	75.25	0.12	79.10	72.07
5400.00	1.07	75.01	5398.80	80.54	24.70	77.11	0.16	80.97	72.24
5500.00	1.28	73.78	5498.78	82.58	25.26	79.08	0.21	83.02	72.29
5600.00	1.60	74.53	5598.75	85.09	25.94	81.50	0.32	85.53	72.34
5700.00	1.93	69.40	5698.70	88.15	26.91	84.42	0.37	88.61	72.32
5800.00	2.11	58.40	5798.64	91.54	28.46	87.57	0.43	92.08	71.99
5900.00	2.13	59.50	5898.57	95.04	30.37	90.74	0.05	95.69	71.49
6000.00	2.02	58.91	5998.50	98.46	32.23	93.85	0.11	99.23	71.05
6100.00	1.70	62.84	6098.45	101.55	33.81	96.68	0.34	102.42	70.72
6200.00	1.08	86.49	6198.42	103.92	34.55	98.94	0.83	104.80	70.75
6300.00	1.12	97.79	6298.40	105.77	34.47	100.85	0.22	106.58	71.13
6400.00	1.11	91.38	6398.38	107.63	34.32	102.78	0.13	108.36	71.54
6500.00	1.09	98.24	6498.37	109.47	34.16	104.69	0.13	110.12	71.93
6600.00	1.00	118.76	6598.35	111.03	33.60	106.40	0.38	111.58	72.47
6700.00	1.19	109.48	6698.33	112.58	32.83	108.14	0.26	113.02	73.11
6800.00	1.01	110.15	6798.31	114.21	32.18	109.95	0.18	114.56	73.68
6900.00	0.64	143.07	6898.30	115.20	31.43	111.11	0.59	115.47	74.20
7000.00	0.75	147.03	6998.30	115.67	30.44	111.80	0.12	115.87	74.77
7100.00	0.92	158.27	7098.29	116.04	29.14	112.46	0.24	116.17	75.47
7200.00	1.07	157.03	7198.27	116.36	27.54	113.12	0.15	116.42	76.32
7300.00	1.10	169.59	7298.25	116.52	25.74	113.66	0.24	116.53	77.24
7400.00	0.76	183.49	7398.24	116.32	24.13	113.79	0.41	116.32	78.03
7500.00	0.14	147.71	7498.24	116.19	23.36	113.81	0.65	116.19	78.40
7600.00	0.34	173.29	7598.23	116.20	22.97	113.91	0.22	116.21	78.60
7700.00	0.62	190.58	7698.23	115.97	22.14	113.85	0.31	115.98	79.00
7800.00	0.63	188.63	7798.23	115.57	21.06	113.67	0.02	115.60	79.50
7900.00	0.43	228.53	7898.22	115.05	20.27	113.30	0.41	115.10	79.86
8000.00	0.26	233.84	7998.22	114.52	19.89	112.84	0.17	114.58	80.00
8100.00	0.26	134.12	8098.22	114.44	19.60	112.82	0.40	114.51	80.15
8200.00	0.33	144.50	8198.22	114.68	19.21	113.15	0.09	114.77	80.37
8300.00	0.53	115.27	8298.21	115.17	18.77	113.74	0.29	115.27	80.63
8400.00	0.84	68.77	8398.21	116.26	18.84	114.84	0.61	116.37	80.68
8500.00	0.58	64.65	8498.20	117.48	19.32	115.98	0.26	117.58	80.54
8600.00	0.83	76.52	8598.19	118.69	19.71	117.14	0.29	118.79	80.45
8700.00	0.89	70.68	8698.18	120.19	20.13	118.58	0.11	120.27	80.36
8800.00	0.91	77.99	8798.17	121.75	20.56	120.09	0.12	121.83	80.29
8900.00	0.80	74.72	8898.16	123.24	20.91	121.54	0.12	123.32	80.24
9000.00	0.53	59.86	8998.15	124.38	21.32	122.61	0.32	124.45	80.13
9100.00	0.58	51.07	9098.15	125.27	21.87	123.40	0.10	125.33	79.95
9200.00	0.44	32.22	9198.14	125.98	22.52	124.00	0.22	126.03	79.71
9300.00	0.36	6.59	9298.14	126.35	23.15	124.24	0.19	126.38	79.44
9400.00	0.32	280.90	9398.14	126.19	23.52	124.00	0.46	126.21	79.26
9500.00	0.38	238.56	9498.14	125.62	23.40	123.45	0.26	125.65	79.27
9600.00	0.13	174.42	9598.14	125.30	23.11	123.18	0.34	125.32	79.37
9700.00	0.36	290.16	9698.14	125.02	23.11	122.89	0.43	125.04	79.35
9800.00	0.25	203.94	9798.14	124.62	23.02	122.51	0.42	124.65	79.36
9900.00	0.17	24.15	9898.13	124.58	22.95	122.48	0.42	124.61	79.39
10000.00	0.10	118.05	9998.13	124.74	23.05	122.62	0.20	124.76	79.36



Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES
Field: WLSU
Site: Lea County, NM
Well: WLSU #9
Wellpath: VH - Job #32K0506387

Date: 11/07/2006 Time: 12:43:29 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,78.18Azi)
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	ChD ft	ChA deg
10100.00	0.40	9.66	10098.13	124.93	23.35	122.75	0.44	124.95	79.23
10200.00	0.31	326.00	10198.13	124.96	23.92	122.66	0.28	124.97	78.97
10300.00	0.33	354.64	10298.13	124.89	24.43	122.48	0.16	124.89	78.72
10400.00	0.67	334.21	10398.13	124.78	25.24	122.20	0.38	124.78	78.33
10500.00	0.67	294.37	10498.12	124.17	26.01	121.41	0.46	124.17	77.91
10600.00	0.45	307.96	10598.12	123.44	26.49	120.57	0.26	123.45	77.61
10700.00	0.68	304.96	10698.11	122.78	27.07	119.78	0.23	122.80	77.26
10800.00	0.80	262.18	10798.10	121.68	27.32	118.60	0.55	121.70	77.03
10900.00	0.83	234.31	10898.09	120.32	26.80	117.32	0.39	120.34	77.13
11000.00	0.90	206.06	10998.08	119.18	25.67	116.39	0.43	119.18	77.56
11100.00	0.70	229.23	11098.07	118.16	24.57	115.58	0.38	118.16	78.00
11190.00	0.42	240.67	11188.07	117.36	24.05	114.87	0.33	117.36	78.18



Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES	Date: 11/07/2006	Time: 12:44:05	Page: 1
Field: WLSU	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: WLSU #9	Section (VS) Reference:	Well (0.00N,0.00E,78.18Azi)	
Wellpath: VH - Job #32K0506387	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/08/06	Start Date: 09/08/2006
Company: Scientific Drilling Internatio	Engineer: Gonzales w/Schlumberger
Tool: Keeper;Keeper Gyro	Tied-to: From: Definitive Path

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	ChA deg
5500.00	1.28	73.78	5498.78	82.58	25.26	79.08	0.00	83.02	72.29
5600.00	3.32	92.25	5598.69	86.50	25.46	83.05	2.14	86.86	72.96
5700.00	4.20	90.92	5698.48	92.89	25.28	89.61	0.88	93.10	74.24
5800.00	3.99	89.08	5798.22	99.87	25.28	96.75	0.25	99.99	75.36
5900.00	3.59	87.46	5898.00	106.38	25.48	103.35	0.41	106.45	76.15
6000.00	3.54	95.00	5997.81	112.42	25.34	109.56	0.47	112.45	76.97
6100.00	3.26	100.10	6097.63	118.02	24.58	115.43	0.41	118.02	77.98
6200.00	3.08	104.72	6197.48	123.06	23.40	120.83	0.31	123.07	79.04
6300.00	3.85	106.25	6297.30	128.42	21.77	126.65	0.78	128.51	80.24
6400.00	4.19	104.02	6397.05	134.67	19.95	133.42	0.37	134.90	81.50
6500.00	3.38	101.69	6496.83	140.66	18.47	139.85	0.82	141.06	82.48
6600.00	3.04	102.94	6596.68	145.78	17.28	145.32	0.35	146.34	83.22
6700.00	2.92	100.94	6696.54	150.53	16.20	150.40	0.16	151.27	83.85
6800.00	3.21	103.02	6796.40	155.42	15.08	155.63	0.31	156.36	84.46
6900.00	3.46	104.04	6896.23	160.68	13.72	161.29	0.26	161.87	85.14
7000.00	3.26	105.14	6996.06	165.93	12.25	166.96	0.21	167.41	85.80
7100.00	3.20	106.08	7095.90	170.93	10.73	172.39	0.08	172.72	86.44
7200.00	3.21	108.61	7195.74	175.81	9.06	177.72	0.14	177.95	87.08
7300.00	3.58	114.05	7295.57	180.75	6.90	183.23	0.49	183.36	87.84
7400.00	3.41	115.89	7395.38	185.64	4.33	188.75	0.20	188.80	88.69
7500.00	3.03	121.26	7495.22	189.92	1.66	193.69	0.48	193.70	89.51
7600.00	2.45	127.85	7595.11	193.23	-1.03	197.64	0.66	197.64	90.30
7700.00	2.16	131.31	7695.03	195.75	-3.58	200.74	0.32	200.77	91.02
7800.00	1.94	133.22	7794.96	197.85	-5.98	203.39	0.23	203.48	91.69
7900.00	1.74	128.81	7894.91	199.78	-8.09	205.80	0.24	205.96	92.25
8000.00	1.53	127.36	7994.87	201.61	-9.86	208.05	0.21	208.28	92.71
8100.00	1.46	124.26	8094.84	203.37	-11.38	210.16	0.11	210.47	93.10
8200.00	1.38	112.73	8194.81	205.25	-12.57	212.33	0.30	212.70	93.39
8300.00	1.44	110.16	8294.78	207.30	-13.46	214.62	0.09	215.04	93.59
8400.00	1.62	110.04	8394.74	209.57	-14.38	217.12	0.18	217.60	93.79
8500.00	1.63	106.63	8494.70	212.02	-15.27	219.81	0.10	220.34	93.97
8600.00	1.34	107.17	8594.67	214.29	-16.03	222.29	0.29	222.87	94.12
8700.00	1.29	112.82	8694.64	216.24	-16.81	224.45	0.14	225.08	94.28
8800.00	1.12	110.80	8794.62	217.99	-17.59	226.40	0.18	227.08	94.44
8900.00	1.13	109.85	8894.60	219.65	-18.27	228.24	0.02	228.97	94.58
9000.00	1.05	113.24	8994.58	221.24	-18.97	230.01	0.10	230.79	94.71
9100.00	0.88	115.10	9094.57	222.61	-19.66	231.55	0.17	232.38	94.85
9200.00	0.73	127.19	9194.56	223.64	-20.37	232.75	0.23	233.64	95.00
9300.00	0.61	114.08	9294.55	224.49	-20.97	233.74	0.19	234.68	95.13
9400.00	0.53	99.00	9394.54	225.35	-21.26	234.69	0.17	235.65	95.18
9500.00	0.46	107.66	9494.54	226.13	-21.45	235.53	0.10	236.50	95.20
9600.00	0.32	106.83	9594.54	226.73	-21.66	236.18	0.14	237.17	95.24
9700.00	0.22	135.07	9694.54	227.08	-21.87	236.58	0.16	237.59	95.28
9800.00	0.03	66.40	9794.54	227.21	-22.00	236.74	0.21	237.76	95.31
9900.00	0.04	36.89	9894.54	227.26	-21.96	236.78	0.02	237.80	95.30
10000.00	0.18	5.40	9994.54	227.33	-21.77	236.82	0.15	237.82	95.25
10100.00	0.10	17.45	10094.54	227.42	-21.54	236.86	0.08	237.84	95.20
10200.00	0.31	25.31	10194.54	227.63	-21.21	237.00	0.21	237.95	95.11
10300.00	0.39	47.59	10294.53	228.08	-20.73	237.37	0.16	238.27	94.99



Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES
Field: WLSU
Site: Lea County, NM
Well: WLSU #9
Wellpath: VH - Job #32K0506387

Date: 11/07/2006 Time: 12:44:05 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,78.18Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

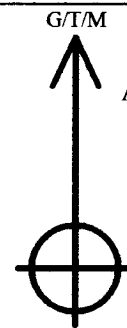
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
10400.00	0.52	30.63	10394.53	228.68	-20.11	237.85	0.19	238.70	94.83
10500.00	0.34	14.74	10494.53	229.12	-19.44	238.16	0.21	238.95	94.67
10600.00	0.44	356.81	10594.53	229.31	-18.77	238.21	0.16	238.95	94.50
10700.00	0.47	326.81	10694.52	229.22	-18.04	237.97	0.24	238.65	94.34
10800.00	0.20	341.13	10794.52	229.05	-17.53	237.69	0.28	238.33	94.22
10900.00	0.23	275.45	10894.52	228.84	-17.35	237.43	0.23	238.06	94.18
11000.00	0.44	265.18	10994.52	228.26	-17.36	236.85	0.22	237.48	94.19
11100.00	0.50	237.51	11094.52	227.47	-17.63	236.10	0.23	236.75	94.27
11200.00	0.68	238.61	11194.51	226.51	-18.17	235.22	0.18	235.92	94.42
11300.00	0.61	261.56	11294.50	225.42	-18.56	234.19	0.27	234.92	94.53
11400.00	1.11	236.81	11394.49	223.98	-19.17	232.85	0.61	233.64	94.71
11500.00	0.61	280.03	11494.48	222.59	-19.60	231.52	0.79	232.34	94.84
11600.00	0.21	286.57	11594.48	221.93	-19.46	230.82	0.40	231.64	94.82
11700.00	0.16	319.51	11694.48	221.70	-19.30	230.55	0.12	231.36	94.79
11751.00	0.08	300.59	11745.48	221.64	-19.23	230.47	0.17	231.27	94.77



Scientific
Drilling

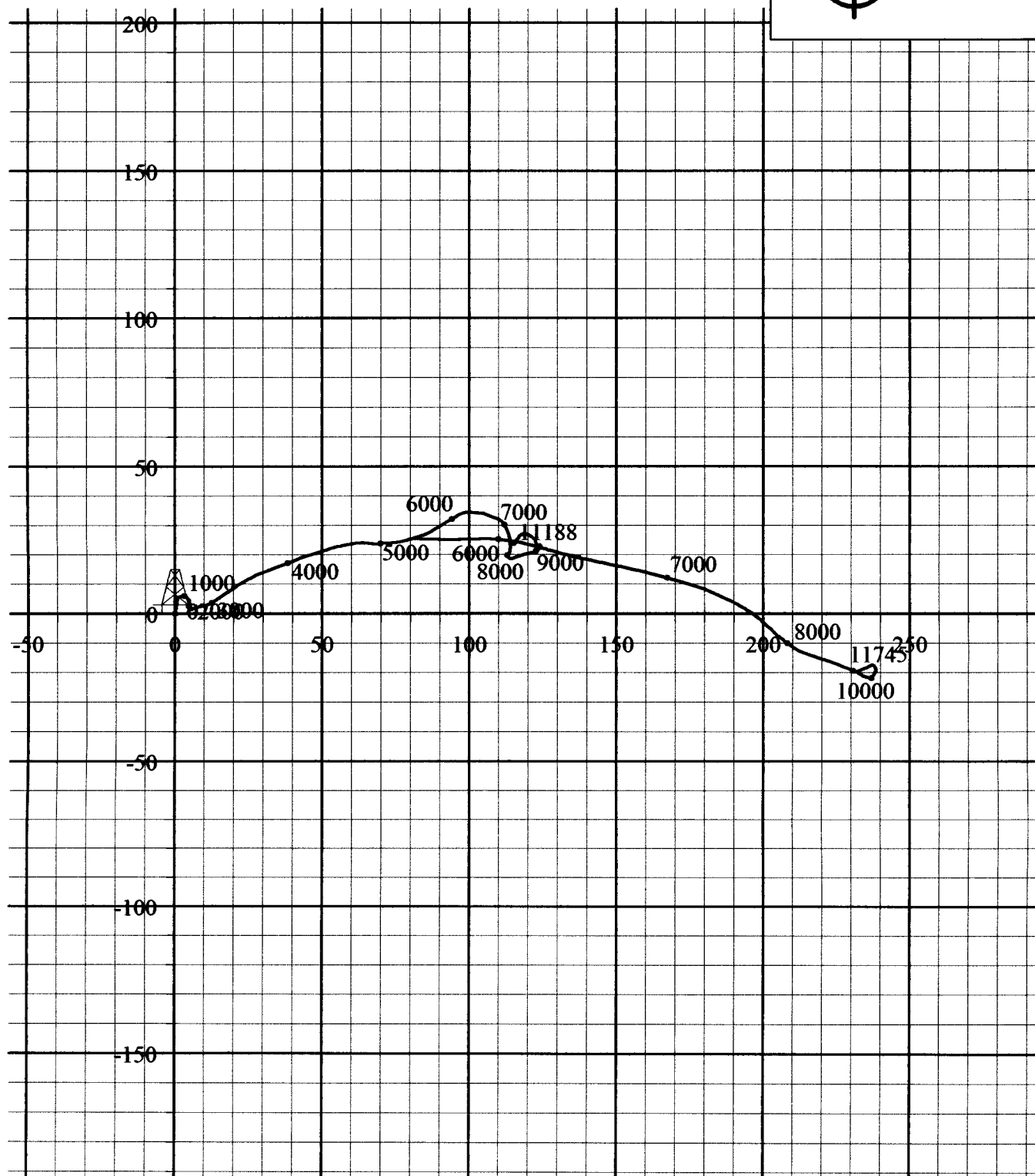
Field: WLSU
Site: Lea County, NM
Well: WLSU #9
Wellpath: VH - Job #32K0506387
Survey: 09/08/06



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 06/20/2006
Model: igrf2000

South(-)/North(+) [50ft/in]



West(-)/East(+) [50ft/in]