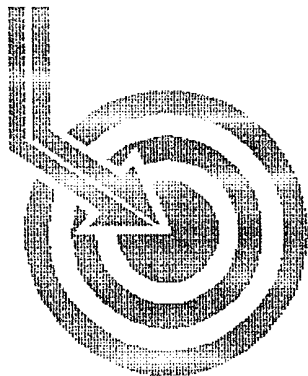




Scientific Drilling

ENERGEN RESOURCES

Field: WLSU
Site: Lea County, NM
Well: WLSU #2
Wellpath: VH - Job #32K1006830
Survey: 10/14/06



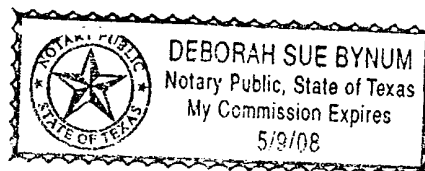
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Deborah Sue Bynum*.....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
 Field: WLSU
 Site: Lea County, NM
 Well: WLSU #2
 Wellpath: VH - Job #32K1006830

Date: 11/06/2006 Time: 18:35:58 Page: 1
 Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,71.03Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 10/14/06
 KSRG 0°-11300'
 Company: Scientific Drilling Internatio
 Tool: Keeper;Keeper Gyro

Start Date: 10/14/2006
 Engineer: Lilja w/Gray
 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	0.22	253.90	100.00	-0.19	-0.05	-0.18	0.22	0.19	253.90
200.00	0.19	0.77	200.00	-0.33	0.06	-0.37	0.33	0.37	279.19
300.00	0.23	51.56	300.00	-0.08	0.35	-0.21	0.18	0.41	329.36
400.00	0.14	117.06	400.00	0.19	0.42	0.06	0.21	0.42	7.98
500.00	0.18	81.58	500.00	0.43	0.39	0.32	0.10	0.50	39.88
600.00	0.15	116.69	600.00	0.68	0.35	0.60	0.10	0.69	59.50
700.00	0.14	46.09	700.00	0.88	0.38	0.80	0.17	0.88	64.80
800.00	0.26	75.11	800.00	1.22	0.52	1.11	0.15	1.22	64.86
900.00	0.13	98.83	900.00	1.54	0.56	1.44	0.15	1.54	68.72
1000.00	0.18	47.94	1000.00	1.79	0.65	1.67	0.14	1.79	68.75
1100.00	0.10	80.92	1100.00	2.02	0.77	1.87	0.11	2.02	67.69
1200.00	0.15	338.35	1200.00	2.10	0.90	1.91	0.20	2.11	64.68
1300.00	0.06	225.60	1300.00	2.04	0.99	1.82	0.18	2.07	61.54
1400.00	0.13	289.11	1400.00	1.91	0.99	1.68	0.12	1.95	59.50
1500.00	0.15	179.64	1499.99	1.78	0.89	1.57	0.23	1.81	60.35
1600.00	0.05	300.34	1599.99	1.71	0.79	1.53	0.18	1.72	62.89
1700.00	0.17	161.55	1699.99	1.68	0.67	1.54	0.21	1.68	66.64
1800.00	0.03	1.46	1799.99	1.68	0.55	1.59	0.20	1.68	70.86
1900.00	0.14	202.43	1899.99	1.61	0.47	1.55	0.17	1.61	73.23
2000.00	0.33	103.53	1999.99	1.78	0.29	1.78	0.38	1.80	80.89
2100.00	0.47	75.29	2099.99	2.43	0.32	2.46	0.24	2.48	82.53
2200.00	0.65	67.43	2199.99	3.40	0.64	3.38	0.20	3.44	79.20
2300.00	0.84	65.79	2299.98	4.70	1.16	4.57	0.19	4.71	75.73
2400.00	0.79	64.08	2399.97	6.11	1.76	5.86	0.06	6.12	73.24
2500.00	0.76	64.83	2499.96	7.46	2.35	7.08	0.03	7.46	71.65
2600.00	0.78	63.89	2599.95	8.79	2.93	8.29	0.02	8.79	70.54
2700.00	0.78	63.46	2699.94	10.14	3.53	9.51	0.01	10.14	69.62
2800.00	0.88	58.91	2799.93	11.57	4.23	10.78	0.12	11.58	68.55
2900.00	0.91	51.25	2899.92	13.06	5.13	12.05	0.12	13.10	66.95
3000.00	0.93	52.80	2999.91	14.58	6.11	13.32	0.03	14.65	65.34
3100.00	0.84	57.79	3099.89	16.07	7.00	14.58	0.12	16.18	64.37
3200.00	0.81	61.64	3199.88	17.48	7.72	15.83	0.06	17.61	63.99
3300.00	0.76	60.71	3299.87	18.83	8.38	17.03	0.05	18.98	63.79
3400.00	0.83	81.72	3399.86	20.19	8.81	18.32	0.30	20.33	64.32
3500.00	0.89	90.81	3499.85	21.63	8.91	19.82	0.15	21.72	65.80
3600.00	1.05	89.81	3599.84	23.23	8.90	21.51	0.16	23.28	67.53
3700.00	1.11	95.33	3699.82	24.98	8.81	23.39	0.12	24.99	69.36
3800.00	0.86	100.07	3799.81	26.52	8.59	25.09	0.26	26.52	71.10
3900.00	0.61	90.48	3899.80	27.68	8.45	26.36	0.28	27.69	72.22
4000.00	0.76	77.62	3999.79	28.84	8.59	27.54	0.21	28.85	72.68
4100.00	0.64	97.00	4099.78	30.00	8.67	28.75	0.26	30.02	73.23
4200.00	0.46	112.25	4199.78	30.81	8.45	29.67	0.23	30.85	74.11
4300.00	0.59	100.58	4299.77	31.56	8.20	30.55	0.17	31.63	74.98
4400.00	0.77	109.04	4399.77	32.53	7.88	31.69	0.21	32.66	76.03
4500.00	0.65	115.58	4499.76	33.47	7.42	32.84	0.14	33.67	77.27
4600.00	0.49	101.26	4599.75	34.24	7.09	33.77	0.21	34.51	78.14
4700.00	0.65	92.18	4699.75	35.14	6.99	34.75	0.18	35.45	78.63
4800.00	0.42	95.12	4799.75	36.00	6.93	35.69	0.23	36.35	79.01



Scientific Drilling International

Survey Report

Company: ENERGEN RESOURCES
Field: WLSU
Site: Lea County, NM
Well: WLSU #2
Wellpath: VH - Job #32K1006830

Date: 11/06/2006 Time: 18:35:58 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,71.03Azi)
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	0.43	71.57	4899.74	36.71	7.02	36.41	0.17	37.08	79.09
5000.00	0.58	78.45	4999.74	37.59	7.24	37.26	0.16	37.96	79.01
5100.00	0.42	83.90	5099.73	38.45	7.38	38.12	0.17	38.83	79.04
5200.00	0.47	55.66	5199.73	39.20	7.65	38.82	0.22	39.57	78.85
5300.00	0.52	57.31	5299.73	40.04	8.13	39.54	0.05	40.37	78.39
5400.00	0.46	41.31	5399.72	40.83	8.67	40.19	0.15	41.12	77.82
5500.00	0.63	45.39	5499.72	41.67	9.36	40.85	0.17	41.91	77.09
5600.00	0.82	38.89	5599.71	42.77	10.30	41.69	0.21	42.94	76.12
5700.00	1.23	39.00	5699.70	44.29	11.69	42.81	0.41	44.38	74.72
5800.00	1.14	45.87	5799.67	46.10	13.22	44.20	0.17	46.14	73.35
5900.00	1.08	38.12	5899.66	47.79	14.66	45.50	0.16	47.80	72.15
6000.00	0.75	36.06	5999.64	49.12	15.93	46.46	0.33	49.12	71.08
6100.00	0.82	48.89	6099.63	50.32	16.93	47.39	0.19	50.32	70.35
6200.00	0.87	42.67	6199.62	51.65	17.95	48.44	0.10	51.66	69.66
6300.00	0.86	52.82	6299.61	53.03	18.97	49.56	0.15	53.06	69.06
6400.00	0.96	51.43	6399.60	54.53	19.94	50.81	0.10	54.58	68.57
6500.00	0.21	83.29	6499.59	55.50	20.49	51.64	0.79	55.56	68.36
6600.00	0.57	61.96	6599.59	56.17	20.74	52.27	0.38	56.23	68.36
6700.00	0.51	61.76	6699.59	57.10	21.18	53.10	0.06	57.17	68.25
6800.00	0.47	64.36	6799.58	57.95	21.57	53.86	0.05	58.02	68.17
6900.00	0.15	67.38	6899.58	58.48	21.80	54.35	0.32	58.56	68.14
7000.00	0.05	254.32	6999.58	58.57	21.84	54.43	0.20	58.65	68.14
7100.00	0.08	263.24	7099.58	58.46	21.82	54.32	0.03	58.54	68.11
7200.00	0.17	310.62	7199.58	58.32	21.91	54.14	0.13	58.40	67.97
7300.00	0.29	310.29	7299.58	58.11	22.17	53.83	0.12	58.22	67.62
7400.00	0.35	308.08	7399.58	57.82	22.52	53.40	0.06	57.95	67.13
7500.00	0.42	305.46	7499.56	57.44	22.92	52.86	0.07	57.61	66.56
7600.00	0.36	297.16	7599.57	57.01	23.28	52.28	0.08	57.23	66.00
7700.00	0.12	273.92	7699.57	56.69	23.43	51.89	0.25	56.94	65.70
7800.00	0.30	299.06	7799.57	56.42	23.56	51.56	0.20	56.69	65.44
7900.00	0.18	330.47	7899.57	56.22	23.83	51.26	0.17	56.52	65.07
8000.00	0.18	350.07	7999.57	56.21	24.12	51.15	0.06	56.55	64.76
8100.00	0.21	65.36	8099.57	56.42	24.35	51.29	0.24	56.78	64.61
8200.00	0.42	62.03	8199.57	56.96	24.60	51.78	0.21	57.33	64.59
8300.00	0.74	60.52	8299.56	57.96	25.09	52.67	0.32	58.34	64.53
8400.00	0.76	65.90	8399.55	59.26	25.67	53.83	0.07	59.64	64.50
8500.00	0.79	64.85	8499.55	60.60	26.24	55.06	0.03	61.00	64.52
8600.00	0.69	62.63	8599.54	61.88	26.81	56.22	0.10	62.29	64.51
8700.00	0.71	67.55	8699.53	63.10	27.32	57.33	0.06	63.51	64.52
8800.00	0.61	70.73	8799.52	64.25	27.73	58.40	0.11	64.66	64.60
8900.00	0.61	76.23	8899.52	65.31	28.04	59.42	0.06	65.71	64.74
9000.00	0.73	81.39	8999.51	66.47	28.26	60.57	0.13	66.84	64.99
9100.00	0.67	75.41	9099.50	67.68	28.50	61.77	0.09	68.03	65.23
9200.00	0.56	75.40	9199.50	68.75	28.77	62.81	0.11	69.08	65.39
9300.00	0.74	76.16	9299.49	69.88	29.05	63.91	0.18	70.20	65.56
9400.00	0.58	91.41	9399.48	71.00	29.19	65.04	0.24	71.29	65.83
9500.00	0.42	93.53	9499.48	71.81	29.16	65.91	0.16	72.07	66.14
9600.00	0.42	83.41	9599.48	72.51	29.18	66.64	0.07	72.75	66.36
9700.00	0.22	91.69	9699.48	73.04	29.21	67.20	0.20	73.27	66.50
9800.00	0.42	68.21	9799.47	73.59	29.34	67.73	0.24	73.81	66.58
9900.00	0.29	80.16	9899.47	74.20	29.52	68.32	0.15	74.42	66.63
10000.00	0.39	65.22	9999.47	74.79	29.71	68.88	0.13	75.01	66.67



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: ENERGEN RESOURCES
Field: WLSU
Site: Lea County, NM
Well: WLSU #2
Wellpath: VH - Job #32K1006830

Date: 11/06/2006 Time: 18:35:58 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,71.03Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

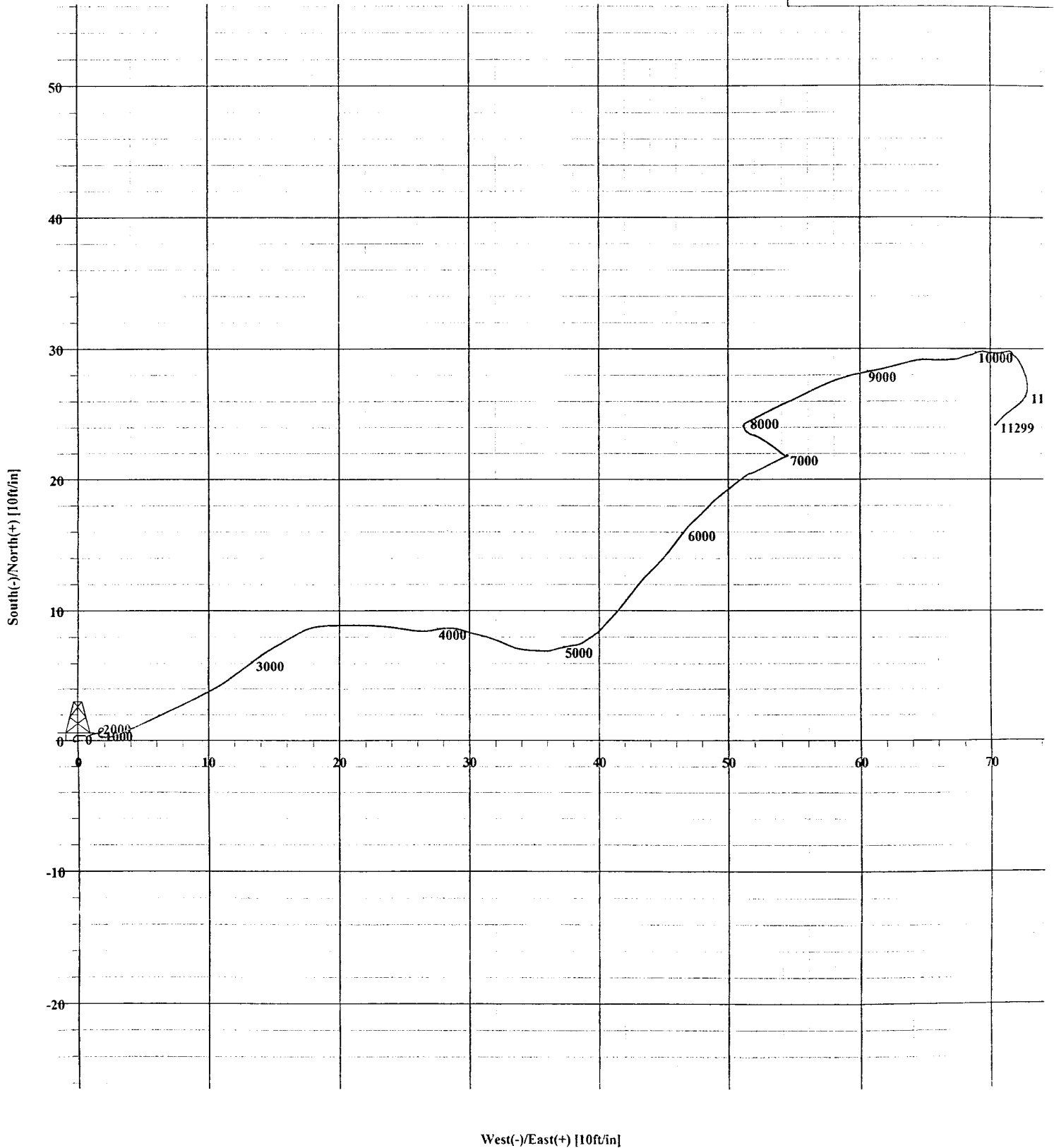
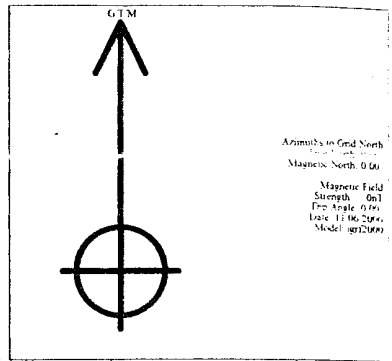
Survey

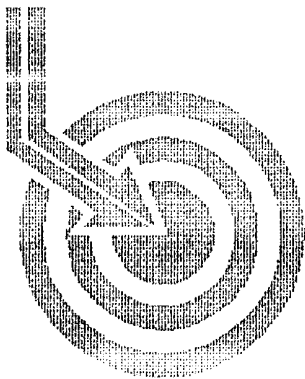
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
10100.00	0.31	97.18	10099.47	75.37	29.82	69.45	0.21	75.58	66.77
10200.00	0.33	100.13	10199.47	75.87	29.73	70.01	0.03	76.06	66.99
10300.00	0.39	85.79	10299.47	76.45	29.71	70.63	0.11	76.62	67.19
10400.00	0.34	73.55	10399.46	77.07	29.82	71.25	0.09	77.24	67.29
10500.00	0.24	149.10	10499.46	77.41	29.72	71.64	0.36	77.56	67.47
10600.00	0.29	127.91	10599.46	77.60	29.38	71.95	0.11	77.72	67.79
10700.00	0.43	152.25	10699.46	77.79	28.90	72.33	0.20	77.89	68.22
10800.00	0.53	156.10	10799.46	77.89	28.14	72.69	0.11	77.95	68.84
10900.00	0.58	177.79	10899.45	77.78	27.21	72.90	0.21	77.81	69.53
11000.00	0.43	211.12	10999.45	77.35	26.39	72.72	0.32	77.36	70.06
11100.00	0.42	231.78	11099.45	76.71	25.84	72.24	0.15	76.72	70.32
11200.00	0.69	233.47	11199.44	75.79	25.25	71.47	0.27	75.80	70.54
11300.00	1.07	220.99	11299.43	74.41	24.19	70.37	0.42	74.41	71.03



Scientific
Drilling

Field: WLSU
Site: Lea County, NM
Well: WLSU #2
Wellpath: VH - Job #32K1006830
Survey: 10/14/06





Scientific Drilling

SUR: P-33-15s-35e, 330/S & 725/E
BHL: P-33-15s-35e, 59/S & 718/E
API # 30-025-31767

ENERGEN RESOURCES

Field: WLSU
Site: Lea County, NM
Well: WLSU #2
Wellpath: VH - Job #32K1206991
Survey: 12/05/06



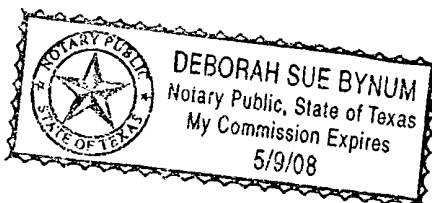
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Richard.....Company Representative

Notorized this date 11th of January, 2007.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES
Field: WLSU
Site: Lea County, NM
Well: WLSU #2
Wellpath: VH - Job #32K1206991

Date: 01/08/2007 Time: 19:34:24 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,71.03Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 12/05/06
KSRG 0'-5300'-11755'
Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Start Date: 12/05/2006
Engineer: Rehders w/Schlumberger
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	ClsD ft	ClsA deg
5200.00	0.47	55.66	5199.73	39.20	7.65	38.82	0.00	39.57	78.85
5300.00	2.20	169.69	5299.71	39.31	5.99	39.51	2.43	39.96	81.38
5400.00	4.88	179.92	5399.51	37.64	-0.15	39.85	2.74	39.86	90.22
5500.00	3.80	191.78	5499.22	34.57	-7.65	39.18	1.40	39.92	101.04
5600.00	3.63	202.69	5599.01	30.77	-13.81	37.29	0.73	39.76	110.33
5700.00	4.05	205.59	5698.79	26.19	-19.92	34.54	0.46	39.87	119.97
5800.00	3.63	207.20	5798.56	21.43	-25.92	31.57	0.43	40.85	129.39
5900.00	3.76	203.41	5898.36	16.93	-31.74	28.82	0.28	42.87	137.77
6000.00	3.84	204.23	5998.14	12.43	-37.81	26.14	0.10	45.96	145.34
6100.00	3.07	195.63	6097.96	8.62	-43.44	24.05	0.93	49.65	151.03
6200.00	4.64	190.53	6197.73	5.11	-49.99	22.58	1.61	54.86	155.69
6300.00	4.39	189.96	6297.42	1.26	-57.74	21.18	0.25	61.50	159.85
6400.00	3.58	187.52	6397.17	-1.98	-64.61	20.11	0.83	67.66	162.71
6500.00	3.51	188.09	6496.98	-4.77	-70.73	19.27	0.08	73.31	164.76
6600.00	3.46	188.49	6596.80	-7.55	-76.75	18.40	0.06	78.92	166.52
6700.00	3.98	185.64	6696.59	-10.39	-83.19	17.61	0.55	85.03	168.05
6800.00	3.93	188.31	6796.35	-13.40	-90.03	16.77	0.19	91.58	169.45
6900.00	3.43	192.36	6896.14	-16.53	-96.34	15.64	0.56	97.60	170.78
7000.00	3.87	186.23	6995.94	-19.52	-102.62	14.63	0.59	103.66	171.89
7100.00	3.85	184.87	7095.71	-22.32	-109.32	13.98	0.09	110.21	172.71
7200.00	3.80	184.99	7195.49	-25.02	-115.97	13.41	0.05	116.74	173.40
7300.00	3.89	186.00	7295.26	-27.80	-122.64	12.76	0.11	123.30	174.06
7400.00	3.45	185.15	7395.06	-30.46	-129.01	12.14	0.44	129.58	174.62
7500.00	3.94	184.95	7494.85	-33.08	-135.43	11.57	0.49	135.92	175.12
7600.00	4.14	185.60	7594.60	-35.97	-142.45	10.93	0.21	142.86	175.61
7700.00	3.99	182.58	7694.35	-38.75	-149.51	10.42	0.26	149.88	176.01
7800.00	3.90	179.50	7794.11	-41.11	-156.39	10.29	0.23	156.73	176.24
7900.00	3.98	178.97	7893.88	-43.26	-163.26	10.38	0.09	163.59	176.36
8000.00	4.16	179.42	7993.63	-45.47	-170.36	10.48	0.18	170.68	176.48
8100.00	3.91	177.42	8093.38	-47.58	-177.39	10.67	0.29	177.71	176.56
8200.00	3.54	175.09	8193.17	-49.29	-183.87	11.09	0.40	184.21	176.55
8300.00	3.26	170.88	8292.99	-50.52	-189.76	11.80	0.37	190.12	176.44
8400.00	3.11	169.11	8392.84	-51.39	-195.23	12.77	0.18	195.64	176.26
8500.00	2.79	169.47	8492.70	-52.13	-200.28	13.72	0.32	200.75	176.08
8600.00	2.42	179.10	8592.60	-53.14	-204.79	14.20	0.57	205.28	176.03
8700.00	2.28	178.99	8692.52	-54.41	-208.89	14.27	0.14	209.37	176.09
8800.00	2.29	178.14	8792.44	-55.61	-212.87	14.37	0.04	213.36	176.14
8900.00	2.05	179.93	8892.36	-56.78	-216.66	14.44	0.25	217.14	176.19
9000.00	2.03	179.05	8992.30	-57.91	-220.22	14.47	0.04	220.69	176.24
9100.00	1.70	180.82	9092.25	-58.96	-223.47	14.48	0.33	223.94	176.29
9200.00	1.61	185.85	9192.21	-60.05	-226.35	14.31	0.17	226.80	176.38
9300.00	1.48	185.14	9292.17	-61.17	-229.04	14.05	0.13	229.47	176.49
9400.00	1.42	191.55	9392.14	-62.32	-231.54	13.69	0.17	231.94	176.62
9500.00	0.97	184.82	9492.12	-63.29	-233.59	13.37	0.47	233.98	176.72
9600.00	1.11	182.43	9592.10	-63.99	-235.40	13.26	0.15	235.78	176.78
9700.00	0.96	189.64	9692.08	-64.74	-237.20	13.08	0.20	237.56	176.84
9800.00	0.96	190.81	9792.07	-65.56	-238.85	12.78	0.02	239.19	176.94
9900.00	0.87	189.39	9892.06	-66.34	-240.42	12.50	0.09	240.74	177.02
10000.00	0.77	194.83	9992.05	-67.07	-241.82	12.20	0.13	242.12	177.11



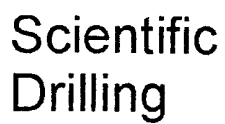
Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES
Field: WLSU
Site: Lea County, NM
Well: WLSU #2
Wellpath: VH - Job #32K1206991

Date: 01/08/2007 Time: 19:34:24 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,71.03Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

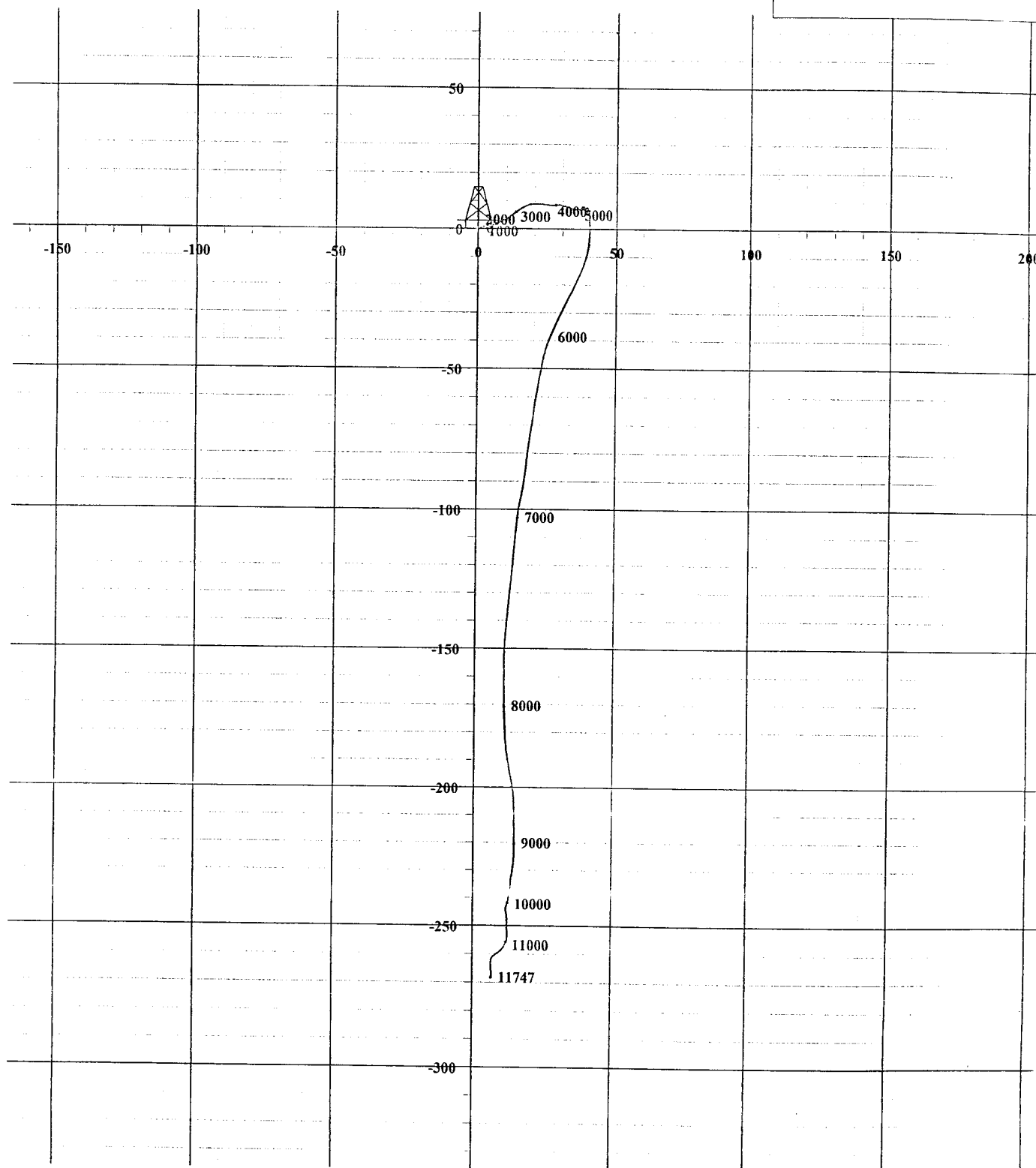
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
10100.00	0.93	196.24	10092.04	-67.91	-243.25	11.80	0.16	243.53	177.22
10200.00	0.85	167.35	10192.02	-68.46	-244.75	11.74	0.45	245.03	177.25
10300.00	0.92	175.95	10292.01	-68.75	-246.27	11.96	0.15	246.56	177.22
10400.00	0.83	172.76	10392.00	-69.10	-247.79	12.11	0.10	248.09	177.20
10500.00	0.84	185.43	10491.99	-69.55	-249.24	12.13	0.18	249.54	177.21
10600.00	0.76	179.32	10591.98	-70.07	-250.63	12.07	0.12	250.92	177.24
10700.00	0.88	171.41	10691.97	-70.41	-252.06	12.19	0.16	252.35	177.23
10800.00	0.78	186.35	10791.96	-70.84	-253.49	12.23	0.24	253.79	177.24
10900.00	0.70	185.92	10891.95	-71.39	-254.78	12.09	0.08	255.06	177.28
11000.00	0.53	211.97	10991.95	-72.01	-255.78	11.78	0.32	256.05	177.36
11100.00	0.85	202.11	11091.94	-72.85	-256.86	11.26	0.34	257.10	177.49
11200.00	0.96	218.19	11191.93	-74.04	-258.20	10.46	0.28	258.41	177.68
11300.00	1.36	235.94	11291.91	-75.89	-259.52	8.96	0.53	259.68	178.02
11400.00	1.05	229.91	11391.88	-77.89	-260.78	7.28	0.33	260.88	178.40
11500.00	1.19	184.28	11491.87	-79.16	-262.40	6.50	0.88	262.48	178.58
11600.00	1.34	178.06	11591.84	-79.91	-264.61	6.46	0.20	264.69	178.60
11700.00	1.35	175.96	11691.81	-80.56	-266.95	6.58	0.05	267.03	178.59
11755.00	1.38	186.70	11746.80	-81.01	-268.26	6.55	0.47	268.34	178.60



Field: WLSU
Site: Lea County, NM
Well: WLSU #2
Wellpath: VH - Job #32K1206991
Survey: 12/05/06



Azimuth: 0
Length: 0
Angle: 0
Model: 0



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