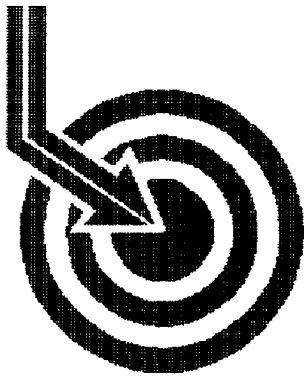




Scientific Drilling

Side Track #1 *abandoned*

SUR: J-34-15s-35e, 1650/S & 1650/E

BHL: J-34-15s-35e, 1632/S & 1589/E

API # 30-025-33068

ENERGEN RESOURCES

Field: WLSU

Site: Lea County, NM

Well: WLSU #12

Wellpath: VH - Job #32K1006884

Survey: 10/31/06



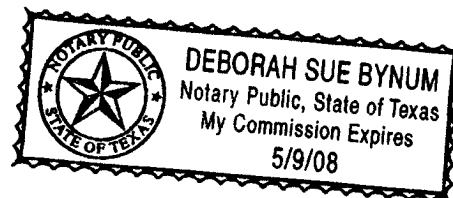
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Deborah Sue Bynum..... Company Representative

Notorized this date 2nd of December, 2006.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES	Date: 11/22/2006	Time: 13:03:29	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 #12	Section (VS) Reference:	Well (0.00N,0.00E,106.80Azi)	
Wellpath: VH - Job #32K1006884	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 10/31/06	Start Date: 10/31/2006
Company: Scientific Drilling Internatio	Engineer: Rehders w/GeoGyro
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azima 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	0.49	15.90	100.00	-0.01	0.41	0.12	0.49	0.43	15.90
200.00	0.54	11.59	199.99	-0.06	1.28	0.33	0.06	1.33	14.37
300.00	0.57	17.50	299.99	-0.09	2.22	0.57	0.06	2.29	14.48
400.00	0.52	19.81	399.99	-0.06	3.12	0.88	0.05	3.24	15.69
500.00	0.45	17.91	499.98	-0.03	3.92	1.15	0.07	4.09	16.36
600.00	0.44	15.15	599.98	-0.04	4.67	1.37	0.02	4.86	16.39
700.00	0.48	12.53	699.98	-0.08	5.45	1.56	0.05	5.67	16.02
800.00	0.53	10.53	799.97	-0.16	6.31	1.74	0.05	6.54	15.41
900.00	0.49	10.24	899.97	-0.26	7.18	1.90	0.04	7.43	14.81
1000.00	0.46	11.11	999.96	-0.35	8.00	2.05	0.03	8.26	14.39
1100.00	0.47	21.03	1099.96	-0.36	8.78	2.28	0.08	9.07	14.55
1200.00	0.47	27.56	1199.96	-0.25	9.52	2.61	0.05	9.88	15.35
1300.00	0.45	24.40	1299.95	-0.12	10.24	2.97	0.03	10.66	16.15
1400.00	0.37	28.65	1399.95	0.00	10.89	3.28	0.09	11.37	16.79
1500.00	0.30	30.24	1499.95	0.12	11.39	3.57	0.07	11.94	17.40
1600.00	0.24	27.95	1599.95	0.23	11.81	3.80	0.06	12.40	17.84
1700.00	0.18	33.64	1699.95	0.31	12.12	3.99	0.06	12.76	18.20
1800.00	0.16	43.55	1799.95	0.42	12.35	4.17	0.04	13.04	18.65
1900.00	0.11	33.62	1899.95	0.51	12.53	4.32	0.06	13.26	19.01
2000.00	0.20	272.97	1999.95	0.37	12.62	4.20	0.27	13.30	18.39
2100.00	0.27	287.77	2099.95	-0.04	12.70	3.80	0.09	13.26	16.64
2200.00	0.31	284.90	2199.95	-0.54	12.85	3.31	0.04	13.27	14.46
2300.00	0.43	290.47	2299.94	-1.19	13.05	2.70	0.13	13.32	11.69
2400.00	0.50	286.25	2399.94	-2.00	13.30	1.93	0.08	13.44	8.25
2500.00	0.52	284.63	2499.94	-2.89	13.54	1.07	0.02	13.58	4.52
2600.00	0.45	268.27	2599.93	-3.71	13.64	0.24	0.15	13.64	1.00
2700.00	0.40	245.60	2699.93	-4.35	13.48	-0.47	0.17	13.49	358.00
2800.00	0.34	212.90	2799.93	-4.69	13.09	-0.95	0.22	13.12	355.85
2900.00	0.36	204.42	2899.93	-4.82	12.56	-1.24	0.06	12.62	354.35
3000.00	0.44	198.80	2999.92	-4.87	11.91	-1.50	0.09	12.00	352.84
3100.00	0.52	194.66	3099.92	-4.87	11.10	-1.73	0.09	11.24	351.13
3200.00	0.37	195.74	3199.92	-4.85	10.35	-1.94	0.15	10.53	349.41
3300.00	0.34	213.01	3299.92	-4.92	9.79	-2.19	0.11	10.03	347.42
3400.00	0.41	209.71	3399.91	-5.09	9.23	-2.52	0.07	9.57	344.71
3500.00	0.30	211.95	3499.91	-5.23	8.70	-2.84	0.11	9.15	341.92
3600.00	0.35	197.17	3599.91	-5.30	8.19	-3.07	0.10	8.74	339.45
3700.00	0.33	187.78	3699.91	-5.26	7.61	-3.20	0.06	8.25	337.21
3800.00	0.37	137.74	3799.91	-4.94	7.09	-3.02	0.30	7.70	336.92
3900.00	0.63	118.71	3899.90	-4.12	6.58	-2.32	0.31	6.98	340.58
4000.00	0.54	118.99	3999.90	-3.13	6.09	-1.43	0.09	6.25	346.82
4100.00	0.64	140.71	4099.89	-2.20	5.43	-0.66	0.24	5.47	353.07
4200.00	0.73	155.91	4199.88	-1.32	4.42	-0.05	0.20	4.42	359.40
4300.00	0.72	168.86	4299.88	-0.61	3.22	0.33	0.16	3.24	5.94
4400.00	0.70	169.71	4399.87	-0.04	2.00	0.57	0.02	2.08	15.78
4500.00	0.72	180.27	4499.86	0.42	0.77	0.67	0.13	1.02	41.05
4600.00	0.71	189.34	4599.85	0.68	-0.47	0.57	0.11	0.74	129.53
4700.00	0.73	191.63	4699.85	0.82	-1.70	0.34	0.04	1.74	168.75
4800.00	0.74	192.71	4799.84	0.92	-2.96	0.07	0.02	2.96	178.67



Scientific Drilling International

Survey Report

Company: ENERGEN RESOURCES
 Field: WLSU
 Site: Lea County, NM
 Well: WLSU #12
 Wellpath: VH - Job #32K1006884

Date: 11/22/2006 Time: 13:03:29 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,106.80Azi)
 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	0.76	200.57	4899.83	0.92	-4.21	-0.31	0.10	4.22	184.17
5000.00	0.73	197.96	4999.82	0.87	-5.44	-0.74	0.05	5.49	187.71
5100.00	0.72	195.07	5099.81	0.87	-6.65	-1.10	0.04	6.74	189.36
5200.00	0.72	191.24	5199.80	0.95	-7.87	-1.38	0.05	7.99	189.96
5300.00	0.64	194.40	5299.80	1.04	-9.03	-1.64	0.09	9.18	190.31
5400.00	0.50	204.94	5399.79	1.00	-9.97	-1.97	0.17	10.16	191.16
5500.00	0.34	204.62	5499.79	0.90	-10.63	-2.27	0.16	10.87	192.07
5600.00	0.25	139.47	5599.79	1.04	-11.07	-2.26	0.33	11.29	191.52
5700.00	0.22	125.96	5699.79	1.40	-11.34	-1.96	0.06	11.51	189.79
5800.00	0.50	80.92	5799.79	1.98	-11.39	-1.37	0.38	11.47	186.87
5900.00	0.42	81.65	5899.78	2.70	-11.27	-0.58	0.08	11.28	182.94
6000.00	0.55	68.74	5999.78	3.41	-11.04	0.23	0.17	11.04	178.80
6100.00	0.69	73.94	6099.77	4.30	-10.70	1.26	0.15	10.77	173.30
6200.00	0.82	80.67	6199.76	5.44	-10.42	2.54	0.16	10.72	166.28
6300.00	0.87	84.06	6299.75	6.79	-10.22	4.00	0.07	10.98	158.61
6400.00	0.86	83.50	6399.74	8.18	-10.06	5.50	0.01	11.47	151.31
6500.00	0.70	79.84	6499.73	9.41	-9.87	6.85	0.17	12.01	145.22
6600.00	0.55	80.95	6599.73	10.39	-9.68	7.93	0.15	12.51	140.69
6700.00	0.47	74.30	6699.72	11.16	-9.50	8.80	0.10	12.94	137.19
6800.00	0.36	74.88	6799.72	11.78	-9.30	9.49	0.11	13.29	134.42
6900.00	0.40	87.66	6899.72	12.37	-9.21	10.15	0.09	13.70	132.22
7000.00	0.39	86.49	6999.72	13.02	-9.17	10.83	0.01	14.19	130.25
7100.00	0.50	84.11	7099.71	13.74	-9.11	11.61	0.11	14.75	128.11
7200.00	0.55	67.51	7199.71	14.52	-8.88	12.49	0.16	15.32	125.41
7300.00	0.56	54.59	7299.70	15.19	-8.41	13.33	0.13	15.76	122.26
7400.00	0.49	44.05	7399.70	15.68	-7.82	14.02	0.12	16.06	119.15
7500.00	0.51	33.68	7499.70	16.01	-7.14	14.57	0.09	16.22	116.12
7600.00	0.50	36.08	7599.69	16.28	-6.42	15.07	0.02	16.38	113.07
7700.00	0.45	34.58	7699.69	16.55	-5.74	15.55	0.05	16.58	110.27
7800.00	0.35	34.77	7799.69	16.76	-5.17	15.95	0.10	16.76	107.96
7900.00	0.22	48.71	7899.69	16.96	-4.79	16.27	0.15	16.96	106.41
8000.00	0.23	54.86	7999.68	17.18	-4.55	16.57	0.03	17.19	105.35
8100.00	0.30	75.27	8099.68	17.53	-4.37	16.99	0.12	17.54	104.41
8200.00	0.60	99.95	8199.68	18.27	-4.39	17.76	0.35	18.29	103.89
8300.00	0.80	103.64	8299.67	19.49	-4.65	18.95	0.20	19.52	103.77
8400.00	1.02	104.03	8399.66	21.07	-5.03	20.50	0.22	21.10	103.78
8500.00	1.04	105.67	8499.64	22.87	-5.49	22.23	0.04	22.90	103.86
8600.00	1.00	108.42	8599.63	24.65	-6.01	23.94	0.06	24.68	104.09
8700.00	0.95	110.66	8699.61	26.35	-6.58	25.54	0.06	26.37	104.44
8800.00	1.01	111.47	8799.60	28.06	-7.19	27.13	0.06	28.07	104.84
8900.00	1.05	112.71	8899.58	29.84	-7.87	28.80	0.05	29.86	105.28
9000.00	0.95	113.41	8999.57	31.58	-8.55	30.41	0.10	31.59	105.71
9100.00	0.92	112.88	9099.55	33.20	-9.19	31.91	0.03	33.20	106.07
9200.00	0.93	113.39	9199.54	34.81	-9.83	33.39	0.01	34.81	106.40
9300.00	0.92	112.43	9299.53	36.41	-10.46	34.88	0.02	36.41	106.69
9400.00	0.91	108.26	9399.52	38.00	-11.01	36.37	0.07	38.00	106.84
9500.00	0.98	103.21	9499.50	39.65	-11.45	37.96	0.11	39.65	106.79
9600.00	1.09	102.41	9599.49	41.45	-11.85	39.72	0.11	41.45	106.62
9700.00	1.04	99.54	9699.47	43.30	-12.21	41.55	0.07	43.30	106.38
9800.00	1.22	96.72	9799.45	45.25	-12.48	43.50	0.19	45.25	106.01
9900.00	1.08	91.58	9899.43	47.21	-12.63	45.50	0.17	47.22	105.52
10000.00	0.78	85.41	9999.42	48.75	-12.61	47.12	0.32	48.78	104.98



Scientific Drilling International Survey Report

Company: ENERGEN RESOURCES
Field: WLSU
Site: Lea County, NM
Well: WLSU #12
Wellpath: VH - Job #32K1006884

Date: 11/22/2006 Time: 13:03:29 Page: 3
Co-ordinate(N/E) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,106.80Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

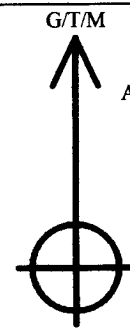
Survey

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	0.66	87.47	10099.41	49.93	-12.53	48.37	0.12	49.97	104.52
10200.00	0.68	95.34	10199.40	51.05	-12.56	49.54	0.09	51.10	104.22
10300.00	0.78	91.55	10299.39	52.29	-12.63	50.81	0.11	52.36	103.96
10400.00	0.75	84.00	10399.38	53.55	-12.58	52.14	0.11	53.64	103.56
10500.00	0.56	86.02	10499.38	54.61	-12.48	53.28	0.19	54.72	103.18
10600.00	0.55	93.24	10599.37	55.54	-12.47	54.25	0.07	55.66	102.95
10700.00	0.83	94.52	10699.37	56.71	-12.56	55.45	0.28	56.85	102.76
10800.00	0.69	116.40	10799.36	58.01	-12.88	56.71	0.32	58.15	102.80
10900.00	0.85	132.51	10899.35	59.27	-13.65	57.79	0.27	59.38	103.29
11000.00	1.01	131.64	10999.33	60.74	-14.74	59.00	0.16	60.81	104.02
11100.00	1.32	152.32	11099.31	62.35	-16.34	60.19	0.52	62.37	105.19
11200.00	1.24	166.49	11199.29	63.70	-18.41	60.98	0.33	63.70	106.80



Scientific
Drilling

Field: WLSU
Site: Lea County, NM
Well: WLSU #12
Wellpath: VH - Job #32K1006884
Survey: 10/31/06



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 11/22/2006
Model: igrf2000

