

A Gyrodata Directional Survey

for

SAGE ENERGY CORP

Lease: NVANU Well: No. 6C-1, 2-7/8" Drillpipe
Location: Key # 36, Lea County, New Mexico

Job Number: MD0705GW194

Run Date: 28 Jul 2005

Surveyor: Thomas Morren; James King; Mark Gillaspia; Matt Shipp; Junior Pena

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.868611 deg. N Longitude: 103.510833 deg. W

Azimuth Correction:

Gyro: -0.45000 deg West to Grid North

Proposed Well Direction: 131.000 deg

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

SUR: B-1-17s-34e, 800N & 2120/E
BHL: H-1-17s-34e, 1732N & 1140/E
API # 30-025-24631



A Gyrodata Directional Survey

Sage Energy Corp

Lease: NVANU Well: No. 6C-1, 2-7/8" Drillpipe

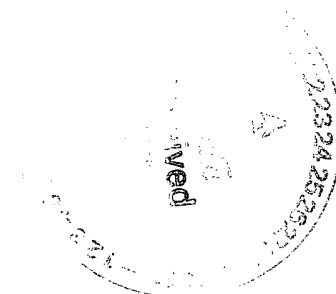
Location: Key # 36, Lea County, New Mexico

Job Number: MD0705GW194

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.0	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 - 8639 RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 2-7/8 " DRILLPIPE							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO KEY RIG # 36 RKB OF (+11FT.)							
GYRO TOOLFACE EQUALS DIRECTION OF KEYWAY IN UBHO SUB							

200.00	0.08	116.97	0.1	0.04	200.00	0.1 117.0	0.06 S 0.12 E
400.00	0.10	70.06	0.3	0.04	400.00	0.4 99.1	0.06 S 0.40 E
600.00	0.05	125.90	0.5	0.04	600.00	0.6 95.4	0.06 S 0.64 E
800.00	0.13	152.57	0.8	0.04	800.00	0.9 111.4	0.32 S 0.82 E
1000.00	0.24	180.06	1.3	0.07	1000.00	1.3 135.7	0.95 S 0.93 E
1200.00	0.41	174.50	2.1	0.09	1199.99	2.3 154.6	2.10 S 1.00 E
1400.00	0.58	176.30	3.4	0.08	1399.99	4.0 163.5	3.82 S 1.13 E
1600.00	0.63	181.41	4.8	0.04	1599.98	6.0 168.8	5.92 S 1.17 E
1800.00	0.65	192.51	6.0	0.06	1799.96	8.2 173.7	8.13 S 0.90 E
2000.00	0.63	197.65	7.0	0.03	1999.95	10.3 178.2	10.28 S 0.32 E
2200.00	0.44	188.25	7.8	0.10	2199.94	12.1 180.6	12.09 S 0.12 W
2400.00	0.42	165.80	8.8	0.08	2399.94	13.6 180.2	13.56 S 0.06 W
2600.00	0.87	137.01	11.0	0.27	2599.92	15.4 175.7	15.38 S 1.16 E
2800.00	1.09	116.94	14.3	0.20	2799.90	17.8 167.3	17.36 S 3.90 E
3000.00	1.54	132.49	18.9	0.28	2999.84	21.4 159.3	20.04 S 7.58 E
3200.00	1.28	123.52	23.8	0.17	3199.78	25.8 153.7	23.09 S 11.42 E
3400.00	0.73	126.68	27.2	0.28	3399.75	28.9 150.3	25.08 S 14.29 E
3600.00	0.20	206.34	28.6	0.36	3599.74	30.2 149.9	26.15 S 15.15 E
3800.00	0.28	217.03	28.7	0.04	3799.74	30.6 151.3	26.86 S 14.70 E



A Gyrodata Directional Survey

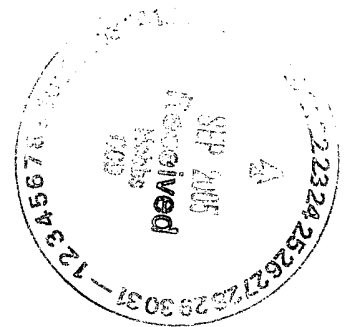
Sage Energy Corp

Lease: NVANU Well: No. 6C-1, 2-7/8" Drillpipe

Location: Key # 36, Lea County, New Mexico

Job Number: MD0705GW194

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4000.00	0.34	208.11	28.9	0.04	3999.74	31.2 153.0	27.78 S 14.13 E
4200.00	0.44	235.45	28.8	0.10	4199.74	31.6 155.3	28.75 S 13.21 E
4400.00	0.49	256.25	28.1	0.09	4399.73	31.6 158.2	29.39 S 11.74 E
4600.00	0.39	272.41	27.1	0.08	4599.72	31.3 160.9	29.56 S 10.23 E
4800.00	0.61	323.36	25.6	0.24	4799.72	30.0 162.7	28.68 S 8.92 E
5000.00	0.54	322.18	23.6	0.04	4999.71	28.2 164.1	27.08 S 7.71 E
5200.00	0.58	324.38	21.7	0.02	5199.70	26.3 165.6	25.51 S 6.54 E
5400.00	0.45	311.77	19.9	0.09	5399.69	24.7 167.5	24.16 S 5.36 E
5600.00	0.42	308.29	18.4	0.02	5599.68	23.5 169.8	23.17 S 4.19 E
5800.00	0.46	282.20	16.9	0.10	5799.68	22.7 172.9	22.54 S 2.82 E
6000.00	0.38	265.11	15.8	0.07	5999.67	22.5 176.5	22.43 S 1.37 E
6200.00	0.41	249.09	14.9	0.06	6199.67	22.7 179.9	22.74 S 0.04 E
6400.00	0.49	234.83	14.4	0.07	6399.66	23.5 183.2	23.48 S 1.32 W
6600.00	0.65	239.69	13.8	0.09	6599.65	24.7 187.0	24.55 S 3.00 W
6800.00	0.77	251.29	12.8	0.09	6799.64	26.1 191.6	25.55 S 5.25 W
7000.00	0.89	265.91	11.0	0.12	6999.61	27.3 197.2	26.09 S 8.07 W
7200.00	0.97	263.14	8.8	0.04	7199.59	28.7 203.2	26.41 S 11.30 W
7400.00	0.76	260.92	6.8	0.10	7399.57	30.4 208.1	26.82 S 14.29 W
7600.00	0.70	262.64	5.1	0.03	7599.55	32.0 211.7	27.18 S 16.81 W
7800.00	0.80	276.82	3.2	0.11	7799.53	33.4 215.5	27.17 S 19.41 W
8000.00	1.03	268.99	0.7	0.13	7999.51	35.2 219.9	27.04 S 22.60 W
8200.00	0.72	254.91	-1.4	0.19	8199.48	37.5 223.1	27.40 S 25.61 W
8400.00	1.07	238.77	-2.6	0.21	8399.46	40.4 224.7	28.70 S 28.43 W
8600.00	1.04	222.39	-3.2	0.15	8599.43	44.0 225.2	31.01 S 31.26 W



A Gyrodata Directional Survey

Sage Energy Corp

Lease: NVANU Well: No. 6C-1, 2-7/8" Drillpipe

Location: Key # 36, Lea County, New Mexico

Job Number: MD0705GW194

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
8639.00	1.06	224.35	-3.3	0.11	8638.42	44.8 225.2	31.54 S 31.75 W

Final Station Closure: Distance: 44.75 ft Az: 225.19 deg.



STRATA

DIRECTIONAL TECHNOLOGY, INC.1034 REGIONAL PARK DRIVE
HOUSTON, TEXAS 77060

PH: 713-934-9600 FX: 713-934-9067

Job Number: MJ05301

Company: Sage Energy Co.

Lease/Well: NVANU 6C #1

Location: Abo field

Rig Name: Key #36

RKB: 12

G.L. or M.S.L.: MSL

State/Country: New Mexico / Lea

Declination: 9.21°

Grid: 0.89°

File name: C:\WINSERVE\NVANU6C1.SVY

Date/Time: 05-Aug-05 / 06:21

Curve Name: Actual Surveys

Strata Directional

WINSERVE PROPOSAL REPORT
Minimum Curvature Method
Vertical Section Plane 133.12
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
9314.00	89.10	128.60	8828.15	-411.66	315.02	511.32	518.36	142.58	1.05
9346.00	89.60	128.70	8828.51	-431.64	340.01	543.22	549.48	141.77	1.59
9377.00	90.00	128.90	8828.62	-451.07	364.17	574.13	579.73	141.08	1.44
9408.00	90.00	128.50	8828.62	-470.45	388.36	605.04	610.04	140.46	1.29
9438.00	89.90	127.60	8828.65	-488.94	411.99	634.92	639.37	139.88	3.02
9470.00	89.40	126.60	8828.84	-508.24	437.51	666.75	670.62	139.28	3.49
9501.00	88.20	126.60	8829.49	-526.72	462.39	697.54	700.89	138.72	3.87
9533.00	89.90	126.90	8830.02	-545.87	488.03	729.34	732.21	138.20	5.39
9564.00	90.80	127.40	8829.83	-564.59	512.73	760.17	762.66	137.76	3.32
9595.00	89.60	127.90	8829.72	-583.52	537.28	791.03	793.20	137.36	4.19
9626.00	88.20	128.40	8830.32	-602.67	561.65	821.90	823.81	137.02	4.80
9658.00	89.00	128.20	8831.10	-622.49	586.76	853.78	855.44	136.69	2.58
9689.00	87.90	129.10	8831.94	-641.85	610.96	884.67	886.14	136.41	4.58
9721.00	88.00	129.10	8833.08	-662.02	635.77	916.57	917.86	136.16	.31
9752.00	87.90	129.10	8834.19	-681.55	659.82	947.48	948.62	135.93	.32
9784.00	88.00	129.40	8835.34	-701.79	684.58	979.38	980.39	135.71	.99
9815.00	89.70	129.80	8835.96	-721.54	708.46	1010.32	1011.21	135.52	5.63
9847.00	89.90	129.60	8836.07	-741.98	733.08	1042.26	1043.05	135.35	.88
9877.00	89.90	129.20	8836.12	-761.03	756.26	1072.20	1072.89	135.18	1.33
9909.00	90.02	130.70	8836.15	-781.57	780.79	1104.15	1104.76	135.03	4.70
9940.00	89.80	127.60	8836.19	-801.14	804.83	1135.07	1135.60	134.87	10.03
9971.00	88.80	127.20	8836.57	-819.97	829.46	1165.91	1166.34	134.67	3.47
10002.00	86.40	127.30	8837.87	-838.72	854.11	1196.72	1197.06	134.48	7.75
10034.00	85.40	127.40	8840.16	-858.08	879.48	1228.48	1228.73	134.29	3.14
10065.00	86.80	127.00	8842.27	-876.78	904.12	1259.24	1259.43	134.12	4.70
10096.00	87.30	127.10	8843.86	-895.43	928.82	1290.02	1290.16	133.95	1.64
10119.00	85.40	125.90	8845.33	-909.08	947.27	1312.82	1312.92	133.82	9.76
Streight line proj. to TD									
10159.00	85.40	125.90	8848.53	-932.46	979.57	1352.38	1352.42	133.59	.00

