

Job Number: 23D0710084

State/Country: WV/Marion

Company: Stone Energy

Declination: -8.75

Lease/Well: Potoczny/Unit A2H

Grid: 0.49

Location: Buddy Project

File name: D:\WINSERVE\UNITA2H.SVY

Rig Name: Saxon 141

Date/Time: 27-Jul-10 / 05:01

RKB:

Curve Name: Potoczny Unit A2H

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

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 154.45
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	Distance FT	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00
108.00	.25	345.47	108.00	.23	-.06	-.23	.24	.23
208.00	.25	326.41	208.00	.62	-.23	-.66	.66	.08
308.00	.25	170.27	308.00	.59	-.32	-.67	.67	.49
408.00	.25	33.22	408.00	.56	-.16	-.57	.58	.47
508.00	.25	314.08	508.00	.89	-.20	-.89	.91	.32
608.00	.50	99.02	608.00	.97	.08	-.85	.98	.72
708.00	.25	68.88	707.99	.98	.71	-.58	1.21	.31
808.00	.75	88.82	807.99	1.08	1.57	-.29	1.90	.52
908.00	1.00	90.68	907.98	1.08	3.09	.36	3.28	.25
1008.00	1.50	94.62	1007.95	.96	5.27	1.41	5.36	.51
1108.00	1.50	105.49	1107.92	.51	7.84	2.92	7.85	.28
1208.00	1.75	97.43	1207.88	-.04	10.61	4.61	10.61	.34
1308.00	1.75	110.29	1307.83	-.77	13.56	6.54	13.58	.39
1408.00	1.75	118.24	1407.79	-2.02	16.34	8.87	16.46	.24
1508.00	1.50	122.10	1507.75	-3.44	18.79	11.20	19.10	.27
1608.00	1.75	126.05	1607.71	-5.03	21.13	13.65	21.72	.27
1708.00	2.00	120.91	1707.65	-6.83	23.87	16.45	24.82	.30
1808.00	2.25	119.85	1807.58	-8.70	27.07	19.52	28.43	.25
1908.00	2.25	129.72	1907.51	-10.93	30.28	22.92	32.19	.39
2008.00	2.00	123.65	2007.44	-13.15	33.24	26.20	35.75	.34
2108.00	1.75	101.50	2107.39	-14.42	36.19	28.62	38.96	.76
2208.00	2.00	99.44	2207.33	-15.01	39.41	30.54	42.17	.26
2308.00	2.25	91.30	2307.26	-15.34	43.09	32.43	45.74	.39
2408.00	2.50	98.24	2407.18	-15.70	47.21	34.53	49.75	.38
2508.00	2.00	93.11	2507.10	-16.11	51.11	36.58	53.59	.54
2608.00	1.25	98.05	2607.06	-16.36	53.93	38.02	56.36	.76
2708.00	1.25	130.92	2707.04	-17.22	55.84	39.62	58.43	.71
2808.00	.75	122.88	2807.02	-18.29	57.21	41.18	60.07	.52
2908.00	.50	106.74	2907.02	-18.77	58.18	42.03	61.13	.30

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
3008.00	.75	132.68	3007.01	-19.34	59.08	42.93	62.17	.37
3108.00	.50	159.54	3107.00	-20.20	59.71	43.98	63.04	.38
3208.00	.75	145.49	3207.00	-21.14	60.24	45.06	63.84	.29
3308.00	.75	121.35	3306.99	-22.02	61.17	46.25	65.01	.31
3408.00	.75	97.29	3406.98	-22.45	62.37	47.15	66.29	.31
3508.00	.75	113.15	3506.97	-22.79	63.62	48.00	67.58	.21
3608.00	.50	112.09	3606.97	-23.21	64.63	48.81	68.67	.25
3708.00	.50	145.96	3706.96	-23.73	65.28	49.57	69.46	.29
3808.00	.50	178.90	3806.96	-24.53	65.53	50.40	69.97	.28
3908.00	.75	165.76	3906.95	-25.60	65.70	51.44	70.51	.29
4008.00	1.00	121.70	4006.94	-26.70	66.60	52.81	71.76	.70
4108.00	.75	132.56	4106.93	-27.60	67.83	54.15	73.23	.30
4208.00	.75	136.51	4206.92	-28.51	68.76	55.38	74.44	.05
4308.00	.50	125.37	4306.92	-29.24	69.57	56.39	75.46	.28
4408.00	.50	150.31	4406.91	-29.87	70.14	57.20	76.24	.22
4508.00	.50	198.17	4506.91	-30.67	70.22	57.95	76.62	.41
4608.00	.50	185.11	4606.91	-31.52	70.05	58.65	76.81	.11
4708.00	.50	270.97	4706.90	-31.94	69.57	58.83	76.55	.68
4808.00	.50	259.91	4806.90	-32.01	68.70	58.51	75.80	.10
4908.00	.50	261.78	4906.90	-32.15	67.84	58.27	75.08	.02
5008.00	.75	319.72	5006.89	-31.71	66.99	57.51	74.12	.64
5108.00	.50	320.58	5106.89	-30.88	66.29	56.45	73.13	.25
5208.00	.50	301.63	5206.88	-30.31	65.64	55.66	72.30	.16
5308.00	.50	306.73	5306.88	-29.82	64.92	54.91	71.44	.04
5408.00	.50	319.78	5406.87	-29.23	64.29	54.10	70.62	.11
5508.00	.50	149.89	5506.87	-29.27	64.22	54.11	70.58	1.00
5608.00	.25	101.93	5606.87	-29.70	64.66	54.68	71.15	.38
5708.00	.75	345.04	5706.87	-29.11	64.70	54.17	70.95	.89
5808.00	.50	118.09	5806.87	-28.68	64.92	53.88	70.97	1.15
5908.00	.50	70.19	5906.86	-28.74	65.71	54.27	71.72	.41
6008.00	1.00	82.24	6006.85	-28.47	66.99	54.58	72.79	.52
6108.00	1.00	89.35	6106.84	-28.35	68.72	55.21	74.34	.12
6208.00	1.00	102.39	6206.82	-28.52	70.45	56.12	76.00	.23
6308.00	.75	109.50	6306.81	-28.93	71.92	57.12	77.52	.27
6408.00	1.00	119.55	6406.80	-29.58	73.29	58.30	79.04	.29
6508.00	.50	137.70	6506.79	-30.33	74.35	59.43	80.30	.55
6608.00	.50	162.81	6606.79	-31.07	74.77	60.28	80.97	.22
6708.00	.75	165.97	6706.78	-32.12	75.06	61.35	81.64	.25
6755.00	.80	160.01	6753.78	-32.73	75.24	61.98	82.05	.20
6819.00	.45	163.90	6817.77	-33.39	75.47	62.67	82.52	.55
6883.00	.53	166.80	6881.77	-33.92	75.60	63.21	82.86	.13
6946.00	2.09	113.57	6944.75	-34.66	76.72	64.36	84.19	2.89
7010.00	5.43	111.35	7008.61	-36.23	80.61	67.46	88.38	5.22
7074.00	9.09	114.35	7072.08	-39.42	88.04	73.54	96.47	5.75
7136.00	12.78	118.04	7132.95	-44.67	98.56	82.81	108.21	6.05
7201.00	16.13	120.32	7195.88	-52.61	112.70	96.07	124.38	5.23
7233.00	18.75	121.18	7226.41	-57.51	120.94	104.05	133.92	8.23
7265.00	21.00	121.11	7256.50	-63.14	130.25	113.14	144.75	7.03
7296.00	23.04	120.03	7285.24	-69.05	140.26	122.79	156.34	6.71
7328.00	25.22	118.78	7314.44	-75.46	151.66	133.49	169.40	7.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
7360.00	27.42	117.69	7343.12	-82.17	164.16	144.94	183.58	7.04
7391.00	29.20	117.63	7370.41	-88.99	177.18	156.71	198.28	5.74
7423.00	31.36	118.90	7398.04	-96.64	191.39	169.73	214.40	7.04
7455.00	33.61	119.10	7425.04	-104.97	206.42	183.73	231.58	7.04
7486.00	36.01	119.35	7450.49	-113.61	221.86	198.19	249.26	7.76
7518.00	38.54	119.44	7475.95	-123.12	238.75	214.05	268.63	7.91
7550.00	41.18	120.07	7500.51	-133.30	256.55	230.92	289.11	8.35
7582.00	43.52	120.43	7524.16	-144.16	275.17	248.75	310.65	7.35
7614.00	45.72	119.91	7546.93	-155.46	294.60	267.32	333.10	6.97
7645.00	47.52	119.58	7568.22	-166.64	314.16	285.84	355.62	5.86
7677.00	49.39	119.91	7589.45	-178.52	334.96	305.53	379.56	5.89
7709.00	51.22	118.35	7609.88	-190.50	356.46	325.61	404.17	6.84
7741.00	53.24	117.61	7629.48	-202.36	378.80	345.95	429.47	6.57
7773.00	55.47	117.90	7648.13	-214.47	401.81	366.80	455.47	7.01
7804.00	57.56	117.97	7665.23	-226.59	424.65	387.58	481.32	6.74
7836.00	59.48	118.88	7681.94	-239.58	448.65	409.65	508.61	6.47
7868.00	60.58	119.05	7697.93	-253.00	472.90	432.22	536.33	3.47
7900.00	61.50	120.02	7713.42	-266.80	497.26	455.18	564.32	3.91
7932.00	63.39	119.94	7728.22	-280.98	521.84	478.57	592.67	5.91
7963.00	66.03	120.59	7741.47	-295.11	546.04	501.76	620.69	8.72
7995.00	68.26	121.46	7753.89	-310.31	571.31	526.37	650.14	7.41
8027.00	70.34	121.72	7765.21	-325.99	596.81	551.51	680.03	6.54
8059.00	71.16	122.02	7775.76	-341.94	622.46	576.97	710.20	2.71
8091.00	71.60	123.50	7785.97	-358.35	647.96	602.77	740.45	4.59
8123.00	72.34	126.48	7795.88	-375.79	672.89	629.26	770.71	9.15
8155.00	73.12	128.95	7805.38	-394.49	697.06	656.55	800.94	7.76
8187.00	74.08	131.36	7814.42	-414.28	720.51	684.53	831.13	7.82
8219.00	75.47	133.74	7822.82	-435.16	743.26	713.17	861.28	8.39
8250.00	77.62	137.15	7830.04	-456.64	764.40	741.67	890.41	12.75
8282.00	79.57	140.03	7836.36	-480.17	785.15	771.84	920.33	10.72
8314.00	80.55	142.16	7841.89	-504.69	804.94	802.51	950.07	7.24
8346.00	81.48	144.71	7846.89	-530.08	823.77	833.53	979.58	8.39
8378.00	83.25	146.63	7851.14	-556.27	841.65	864.87	1008.86	8.12
8410.00	86.01	147.87	7854.13	-583.06	858.88	896.48	1038.09	9.45
8442.00	88.96	149.04	7855.54	-610.30	875.61	928.27	1067.31	9.92
8473.00	89.87	149.86	7855.85	-637.00	891.36	959.15	1095.58	3.95
8505.00	91.75	153.12	7855.40	-665.11	906.63	991.10	1124.43	11.76
8537.00	92.72	155.96	7854.15	-693.98	920.38	1023.07	1152.69	9.37
8600.00	93.16	160.76	7850.92	-752.44	943.57	1085.82	1206.85	7.64
8664.00	93.69	161.23	7847.10	-812.84	964.38	1149.29	1261.24	1.11
8728.00	92.92	161.65	7843.41	-873.41	984.71	1212.71	1316.25	1.37
8791.00	92.39	163.68	7840.49	-933.48	1003.46	1274.99	1370.52	3.33
8854.00	92.69	164.89	7837.70	-994.07	1020.51	1337.00	1424.64	1.98
8918.00	90.47	164.13	7835.93	-1055.72	1037.59	1399.99	1480.25	3.67
8982.00	90.44	164.25	7835.42	-1117.29	1055.03	1463.06	1536.69	.19
9046.00	90.77	166.44	7834.75	-1179.20	1071.22	1525.90	1593.12	3.46
9110.00	91.28	167.66	7833.60	-1241.56	1085.56	1588.35	1649.22	2.07
9173.00	92.59	168.58	7831.48	-1303.18	1098.52	1649.53	1704.41	2.54
9236.00	93.49	168.18	7828.14	-1364.80	1111.19	1710.59	1759.95	1.56
9300.00	93.33	168.03	7824.33	-1427.31	1124.36	1772.67	1816.98	.34

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
9363.00	92.55	169.60	7821.10	-1489.03	1136.56	1833.62	1873.23	2.78
9426.00	92.92	169.61	7818.09	-1550.93	1147.92	1894.36	1929.53	.59
9458.00	93.09	169.65	7816.41	-1582.36	1153.67	1925.20	1958.27	.55
9522.00	91.91	170.42	7813.62	-1645.34	1164.74	1986.79	2015.87	2.20
9586.00	91.58	172.05	7811.67	-1708.56	1174.48	2048.03	2073.30	2.60
9618.00	92.01	171.87	7810.67	-1740.23	1178.96	2078.53	2101.98	1.46
9682.00	92.08	171.45	7808.39	-1803.51	1188.23	2139.63	2159.76	.66
9745.00	91.68	172.01	7806.32	-1865.82	1197.29	2199.75	2216.93	1.09
9809.00	92.45	172.29	7804.01	-1929.18	1206.03	2260.68	2275.13	1.28
9873.00	92.85	172.50	7801.05	-1992.55	1214.49	2321.50	2333.50	.71
9936.00	90.87	169.56	7799.01	-2054.73	1224.30	2381.84	2391.83	5.62
10000.00	89.93	169.09	7798.56	-2117.62	1236.16	2443.69	2452.02	1.64
10063.00	90.67	168.77	7798.23	-2179.45	1248.25	2504.69	2511.60	1.28
10127.00	91.85	168.90	7796.83	-2242.22	1260.64	2566.67	2572.31	1.85
10190.00	92.25	168.65	7794.57	-2303.98	1272.90	2627.67	2632.22	.75
10254.00	90.94	167.39	7792.79	-2366.56	1286.18	2689.86	2693.48	2.84
10318.00	89.23	166.56	7792.70	-2428.91	1300.60	2752.33	2755.21	2.97
10362.00	89.77	166.43	7793.08	-2471.69	1310.88	2795.36	2797.79	1.26
Proj to Bit								
10417.00	89.77	166.43	7793.30	-2525.15	1323.78	2849.16	2851.10	.00