

Job Number: 23D0611109
 Company: Stone Energy
 Lease/Well: Nice Talkington #2 H
 Location: Mary Prospect
 Rig Name: Saxon 141
 RKB: 18
 G.L. or M.S.L.: 1300

State/Country: West Virginia
 Declination: -8.40
 Grid: 0.85
 File name: D:\WINSERVE\TN#2H.SVY
 Date/Time: 04-Jul-11 / 02:25
 Curve Name: Talkington Nice #2H As Drilled

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WV GEOLOGICAL SURVEY
 MORGANTOWN, WV

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 162.62
 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	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.18	297.24	100.00	.07	-.14	-.11	.15	297.25	.18
200.00	.16	313.38	200.00	.24	-.38	-.34	.44	302.31	.05
300.00	.09	320.20	300.00	.39	-.53	-.53	.66	306.70	.08
400.00	.13	317.42	400.00	.53	-.65	-.70	.84	309.30	.04
500.00	.10	265.11	500.00	.60	-.81	-.82	1.01	306.80	.10
600.00	.10	294.17	600.00	.63	-.97	-.89	1.16	303.06	.05
700.00	.11	329.12	700.00	.75	-1.10	-1.04	1.33	304.27	.06
800.00	.07	75.05	800.00	.85	-1.09	-1.13	1.38	307.87	.14
900.00	.06	170.60	900.00	.81	-1.02	-1.08	1.30	308.60	.09
1000.00	.01	194.30	1000.00	.76	-1.01	-1.02	1.26	306.66	.04
1100.00	.03	137.23	1100.00	.73	-1.00	-.99	1.24	305.94	.02
1200.00	.43	352.93	1200.00	1.08	-1.03	-1.34	1.49	316.35	.45

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LOGICAL SURVEY
ORCANTOWN

Measured Depth FT	Incl Angle Deg	Drift	True	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
		Direction Deg	Vertical Depth				Distance FT	Direction Deg	
1300.00	.54	349.19	1299.99	1.92	-1.17	-2.18	2.25	328.72	.12
1400.00	.51	352.89	1399.99	2.83	-1.31	-3.09	3.12	335.15	.05
1500.00	.49	348.78	1499.99	3.69	-1.45	-3.96	3.97	338.58	.04
1600.00	.51	341.00	1599.98	4.53	-1.68	-4.83	4.83	339.70	.07
1700.00	.61	344.10	1699.98	5.47	-1.97	-5.80	5.81	340.21	.11
1800.00	1.01	354.50	1799.97	6.85	-2.20	-7.20	7.20	342.22	.42
1900.00	1.32	349.18	1899.95	8.85	-2.50	-9.20	9.20	344.25	.33
2000.00	1.37	351.67	1999.92	11.16	-2.89	-11.51	11.53	345.51	.08
2100.00	1.77	2.39	2099.88	13.89	-2.99	-14.15	14.21	347.84	.50
2200.00	2.08	9.36	2199.83	17.22	-2.63	-17.22	17.42	351.30	.38
2300.00	2.25	9.02	2299.75	20.94	-2.03	-20.60	21.04	354.46	.17
2400.00	1.84	7.66	2399.69	24.47	-1.51	-23.80	24.52	356.46	.41
2499.99	1.64	354.44	2499.63	27.48	-1.44	-26.66	27.52	357.01	.45
2599.99	1.39	347.45	2599.60	30.09	-1.84	-29.26	30.14	356.50	.31
2699.99	.64	.81	2699.58	31.83	-2.09	-31.00	31.90	356.23	.78
2799.99	.77	121.80	2799.58	32.03	-1.52	-31.03	32.07	357.29	1.23
2899.99	2.01	128.16	2899.55	30.60	.43	-29.07	30.60	.81	1.25
2999.99	3.32	120.21	2999.44	28.06	4.32	-25.49	28.39	8.74	1.36
3099.99	4.34	122.68	3099.21	24.55	10.00	-20.45	26.51	22.17	1.03
3199.99	4.82	123.77	3198.89	20.18	16.68	-14.27	26.18	39.58	.48
3299.99	4.86	122.53	3298.54	15.57	23.74	-7.77	28.39	56.74	.11
3399.99	4.75	119.59	3398.19	11.25	30.91	-1.50	32.89	70.01	.27
3499.99	4.62	114.82	3497.85	7.51	38.16	4.23	38.90	78.87	.41
3599.99	4.66	111.75	3597.53	4.31	45.59	9.50	45.80	84.60	.25
3699.99	4.84	111.37	3697.18	1.27	53.30	14.71	53.32	88.64	.18
3799.99	5.21	114.67	3796.80	-2.17	61.36	20.40	61.40	92.02	.46
3899.99	5.05	119.20	3896.40	-6.21	69.33	26.64	69.61	95.12	.43
3999.99	4.98	119.46	3996.01	-10.49	76.95	33.00	77.67	97.76	.08
4099.99	4.85	122.31	4095.65	-14.89	84.30	39.39	85.61	100.01	.27
4199.99	4.61	123.94	4195.31	-19.39	91.21	45.75	93.25	102.00	.28
4299.99	3.87	118.76	4295.03	-23.26	97.50	51.32	100.24	103.42	.83
4399.99	3.38	113.10	4394.83	-26.04	103.17	55.66	106.40	104.16	.61
4499.99	2.99	106.84	4494.68	-27.95	108.37	59.04	111.92	104.46	.52
4599.99	2.74	101.35	4594.55	-29.17	113.21	61.66	116.91	104.45	.37

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TWO GEOREGIONAL SURVEY MORGANTOWN NS		E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
			Vertical Depth FT	NS FT			Distance FT	Direction Deg	
4699.99	2.35	95.33	4694.45	-29.83	117.59	63.60	121.32	104.23	.47
4799.99	1.80	97.41	4794.39	-30.22	121.19	65.05	124.90	104.00	.56
4899.99	1.23	98.38	4894.35	-30.58	123.80	66.17	127.52	103.88	.57
4999.99	.81	110.22	4994.34	-30.98	125.52	67.06	129.29	103.87	.46
5099.99	.69	111.92	5094.33	-31.45	126.74	67.87	130.59	103.94	.12
5199.99	.81	108.42	5194.32	-31.90	127.97	68.67	131.88	104.00	.13
5299.99	.89	112.99	5294.31	-32.43	129.36	69.59	133.36	104.07	.11
5399.99	.78	89.67	5394.30	-32.73	130.76	70.29	134.79	104.05	.36
5499.99	.68	94.28	5494.29	-32.77	132.03	70.71	136.04	103.94	.12
5531.99	.45	85.72	5526.29	-32.77	132.34	70.81	136.34	103.91	.76
5588.00	.63	86.50	5582.30	-32.74	132.87	70.93	136.84	103.84	.32
5651.00	.77	75.77	5645.29	-32.61	133.63	71.04	137.55	103.71	.30
5683.00	.50	84.85	5677.29	-32.55	133.97	71.08	137.87	103.65	.90
5715.00	1.80	96.78	5709.28	-32.59	134.61	71.31	138.50	103.61	4.11
5747.00	4.22	95.11	5741.24	-32.76	136.28	71.97	140.17	103.51	7.57
5779.00	6.64	104.25	5773.09	-33.32	139.25	73.39	143.18	103.46	8.01
5811.00	8.69	108.53	5804.80	-34.54	143.34	75.78	147.44	103.55	6.65
5842.00	11.01	112.72	5835.34	-36.43	148.29	79.06	152.70	103.80	7.83
5874.00	12.99	113.84	5866.64	-39.06	154.40	83.40	159.26	104.20	6.23
5905.00	14.84	114.50	5896.73	-42.12	161.20	88.35	166.61	104.64	5.99
5937.00	17.30	116.07	5927.48	-45.91	169.20	94.35	175.32	105.18	7.81
5969.00	19.32	115.90	5957.86	-50.31	178.24	101.26	185.20	105.76	6.31
6000.00	21.50	114.31	5986.91	-54.89	188.03	108.55	195.88	106.27	7.26
6032.00	23.45	112.72	6016.48	-59.77	199.25	116.55	208.02	106.70	6.38
6064.00	25.58	110.50	6045.59	-64.64	211.59	124.90	221.25	106.99	7.25
6096.00	28.34	110.40	6074.11	-69.71	225.19	133.79	235.73	107.20	8.63
6128.00	31.97	110.55	6101.78	-75.34	240.24	143.66	251.78	107.41	11.35
6159.00	35.07	112.33	6127.62	-81.60	256.17	154.40	268.85	107.67	10.49
6191.00	38.38	114.52	6153.27	-89.22	273.72	166.91	287.89	108.05	11.12
6223.00	41.84	115.94	6177.74	-98.01	292.36	180.87	308.35	108.53	11.18
6255.00	46.02	116.73	6200.78	-107.87	312.25	196.21	330.35	109.06	13.17
6286.00	49.93	117.98	6221.53	-118.45	332.69	212.42	353.15	109.60	12.96
6318.00	52.75	120.39	6241.52	-130.64	354.50	230.57	377.80	110.23	10.59
6350.00	54.15	123.52	6260.58	-144.25	376.30	250.07	403.00	110.97	8.99

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	GEOLOGICAL SURVEY			Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
			True WV Vertical Depth	MORGAN SWN, WV FT	E-W FT		Distance FT	Direction Deg	
6382.00	55.25	125.68	6279.07	-159.08	397.79	270.64	428.42	111.80	6.49
6414.00	57.54	127.20	6296.78	-174.91	419.23	292.16	454.26	112.65	8.18
6445.00	59.39	128.53	6312.99	-191.13	440.09	313.86	479.80	113.48	7.00
6477.00	61.00	130.37	6328.90	-208.78	461.52	337.11	506.55	114.34	7.09
6509.00	62.73	131.78	6343.99	-227.32	482.79	361.15	533.63	115.21	6.66
6540.00	63.51	132.30	6358.00	-245.84	503.33	384.96	560.15	116.03	2.93
6572.00	64.46	132.81	6372.04	-265.28	524.51	409.85	587.78	116.83	3.30
6602.00	65.61	133.57	6384.70	-283.90	544.34	433.53	613.92	117.54	4.47
6634.00	66.79	134.18	6397.62	-304.19	565.44	459.21	642.07	118.28	4.08
6666.00	68.02	135.30	6409.91	-324.99	586.43	485.32	670.46	118.99	5.02
6697.00	69.03	137.84	6421.26	-345.94	606.25	511.23	698.01	119.71	8.29
6729.00	70.46	139.37	6432.34	-368.46	626.10	538.66	726.47	120.48	6.33
6761.00	71.69	140.99	6442.72	-391.71	645.48	566.63	755.04	121.25	6.14
6792.00	72.74	142.45	6452.19	-414.88	663.77	594.21	782.76	122.01	5.62
6824.00	73.57	144.29	6461.46	-439.45	682.04	623.12	811.36	122.79	6.08
6856.00	74.76	146.63	6470.19	-464.81	699.49	652.53	839.85	123.60	7.96
6887.00	75.76	148.47	6478.08	-490.11	715.58	681.48	867.33	124.41	6.58
6919.00	76.65	150.15	6485.71	-516.83	731.44	711.72	895.61	125.25	5.81
6951.00	77.43	151.96	6492.89	-544.12	746.53	742.27	923.78	126.09	6.03
6983.00	78.92	154.39	6499.45	-572.07	760.66	773.17	951.77	126.95	8.77
7015.00	80.11	156.78	6505.27	-600.72	773.66	804.39	979.50	127.83	8.23
7046.00	81.85	159.99	6510.13	-629.18	784.94	834.92	1005.98	128.71	11.67
7078.00	82.18	162.09	6514.58	-659.15	795.23	866.60	1032.89	129.65	6.58
7109.00	83.65	163.38	6518.40	-688.52	804.36	897.36	1058.80	130.56	6.29
7141.00	85.42	164.53	6521.45	-719.14	813.16	929.20	1085.54	131.49	6.59
7172.00	86.20	164.42	6523.72	-748.92	821.44	960.10	1111.60	132.36	2.54
7204.00	86.24	163.92	6525.82	-779.64	830.15	992.02	1138.86	133.20	1.56
7235.00	86.88	164.79	6527.68	-809.44	838.49	1022.95	1165.45	133.99	3.48
7267.00	87.45	166.98	6529.27	-840.43	846.29	1054.86	1192.70	134.80	7.06
7299.00	87.58	166.98	6530.66	-871.58	853.49	1086.73	1219.88	135.60	4.1
7363.00	89.46	167.88	6532.31	-934.02	867.41	1150.48	1274.68	137.12	3.26
7426.00	90.87	168.47	6532.13	-995.69	880.32	1213.19	1329.04	138.52	2.43
7489.00	91.68	168.60	6530.72	-1057.41	892.84	1275.83	1383.94	139.82	1.30
7553.00	90.81	169.27	6529.33	-1120.21	905.12	1339.43	1440.18	141.06	1.72

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 N-S
 WV GEOPHYSICAL SURVEY
 MORGANTOWN, WV

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S		Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
				FT	FT		Distance FT	Direction Deg	
7617.00	90.64	169.64	6528.52	-1183.12	916.83	1402.97	1496.78	142.23	.64
7680.00	89.66	169.29	6528.36	-1245.06	928.35	1465.52	1553.06	143.29	1.65
7744.00	89.26	168.88	6528.96	-1307.90	940.47	1529.11	1610.93	144.28	.89
7808.00	89.53	169.08	6529.64	-1370.71	952.70	1592.71	1669.28	145.20	.52
7872.00	90.00	169.27	6529.90	-1433.57	964.72	1656.29	1727.95	146.06	.79
7935.00	89.23	169.56	6530.32	-1495.50	976.30	1718.85	1785.97	146.86	1.31
7998.00	88.86	170.15	6531.37	-1557.51	987.39	1781.34	1844.12	147.63	1.11
8062.00	88.96	169.81	6532.59	-1620.52	998.52	1844.80	1903.45	148.36	.55
8125.00	89.19	169.60	6533.61	-1682.50	1009.78	1907.31	1962.26	149.03	.49
8189.00	89.53	169.35	6534.32	-1745.41	1021.47	1970.85	2022.34	149.66	.66
8252.00	89.90	169.80	6534.64	-1807.37	1032.87	2033.38	2081.69	150.25	.92
8316.00	89.83	169.60	6534.79	-1870.34	1044.31	2096.90	2142.14	150.82	.33
8379.00	90.10	169.34	6534.83	-1932.28	1055.83	2159.45	2201.93	151.35	.59
8442.00	89.36	169.96	6535.12	-1994.25	1067.15	2221.97	2261.83	151.85	1.53
8506.00	89.06	170.08	6536.01	-2057.28	1078.24	2285.43	2322.71	152.34	.50
8570.00	88.99	169.58	6537.09	-2120.27	1089.54	2348.92	2383.82	152.80	.79
8634.00	89.33	170.19	6538.03	-2183.26	1100.77	2412.40	2445.06	153.24	1.09
8698.00	89.70	170.08	6538.57	-2246.31	1111.74	2475.84	2506.37	153.67	.60
8761.00	89.93	170.41	6538.78	-2308.40	1122.41	2538.29	2566.81	154.07	.64
8824.00	88.56	169.87	6539.61	-2370.47	1133.20	2600.74	2627.40	154.45	2.34
8888.00	88.22	170.16	6541.41	-2433.47	1144.29	2664.18	2689.09	154.82	.70
8952.00	88.22	170.29	6543.39	-2496.51	1155.15	2727.59	2750.81	155.17	.20
9016.00	88.72	170.42	6545.10	-2559.58	1165.87	2790.98	2812.60	155.51	.81
9080.00	88.86	169.98	6546.45	-2622.64	1176.76	2854.41	2874.54	155.83	.72
9143.00	89.36	169.75	6547.43	-2684.65	1187.85	2916.90	2935.69	156.13	.87
9207.00	89.83	169.16	6547.89	-2747.56	1199.56	2980.44	2998.01	156.41	1.18
9270.00	90.17	169.40	6547.89	-2809.46	1211.28	3043.01	3059.46	156.68	.66
9334.00	90.24	168.90	6547.66	-2872.32	1223.33	3106.60	3121.98	156.93	.79
9397.00	90.57	169.16	6547.21	-2934.17	1235.31	3169.20	3183.60	157.17	.67
9461.00	89.97	168.93	6546.91	-2997.00	1247.48	3232.80	3246.26	157.40	1.00
9525.00	90.07	168.52	6546.89	-3059.76	1259.99	3296.44	3309.04	157.62	.66
9588.00	89.36	168.45	6547.20	-3121.49	1272.57	3359.11	3370.93	157.82	1.13
9652.00	88.76	168.88	6548.25	-3184.24	1285.14	3422.74	3433.80	158.02	1.15
9716.00	88.83	168.71	6549.60	-3247.00	1297.58	3486.36	3496.67	158.22	.29

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	MAR 22 2012		Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
				N-S E-W WV GEOLOGICAL SURVEY MORGANTOWN, WV	FT		Distance FT	Direction Deg	
9779.00	88.86	170.16	6550.87	-3308.92	1309.12	3548.90	3558.48	158.41	2.30
9843.00	89.13	170.10	6551.99	-3371.96	1320.09	3612.34	3621.16	158.62	.43
9907.00	89.50	169.98	6552.75	-3434.99	1331.16	3675.80	3683.91	158.82	.61
9971.00	89.93	170.21	6553.07	-3498.04	1342.17	3739.25	3746.69	159.01	.76
10034.00	90.30	169.89	6552.95	-3560.09	1353.06	3801.72	3808.54	159.19	.78
10098.00	89.60	170.89	6553.00	-3623.19	1363.74	3865.13	3871.34	159.37	1.91
10162.00	89.60	171.89	6553.45	-3686.47	1373.32	3928.38	3933.96	159.57	1.56
10226.00	89.80	172.20	6553.78	-3749.85	1382.18	3991.52	3996.47	159.77	.58
10289.00	90.30	172.50	6553.73	-3812.29	1390.57	4053.61	4057.98	159.96	.93
10353.00	89.73	171.47	6553.71	-3875.66	1399.49	4116.76	4120.60	160.15	1.84
10417.00	89.50	171.46	6554.14	-3938.95	1408.99	4179.99	4183.37	160.32	.36
10480.00	89.56	171.30	6554.66	-4001.24	1418.43	4242.26	4245.22	160.48	.27
10544.00	89.73	171.37	6555.06	-4064.51	1428.07	4305.52	4308.09	160.64	.29
10607.00	89.93	171.34	6555.24	-4126.79	1437.54	4367.79	4370.00	160.79	.32
10671.00	89.16	171.66	6555.75	-4190.09	1447.00	4431.02	4432.90	160.95	1.30
10734.00	88.93	171.41	6556.80	-4252.39	1456.27	4493.25	4494.84	161.10	.54
10798.00	89.03	170.94	6557.94	-4315.62	1466.09	4556.52	4557.85	161.24	.75
10861.00	89.16	171.19	6558.94	-4377.85	1475.87	4618.83	4619.93	161.37	.45
10924.00	89.33	171.11	6559.77	-4440.10	1485.56	4681.13	4682.02	161.50	.30
10988.00	89.60	171.20	6560.36	-4503.33	1495.41	4744.42	4745.13	161.63	.44
11051.00	89.70	170.99	6560.75	-4565.57	1505.16	4806.73	4807.28	161.75	.37
11115.00	89.93	171.27	6560.95	-4628.81	1515.03	4870.03	4870.44	161.88	.57
11178.00	90.03	170.50	6560.98	-4691.01	1525.01	4932.37	4932.67	161.99	1.23
11242.00	89.93	170.09	6561.00	-4754.09	1535.79	4995.80	4996.01	162.10	.66
11306.00	89.03	170.53	6561.58	-4817.18	1546.57	5059.22	5059.35	162.20	1.57
11369.00	88.39	170.70	6563.00	-4879.32	1556.84	5121.59	5121.67	162.30	1.05
11433.00	88.73	170.62	6564.61	-4942.45	1567.22	5184.94	5184.98	162.41	.55
11497.00	88.79	170.63	6565.99	-5005.58	1577.64	5248.30	5248.31	162.51	.10
11561.00	88.93	170.33	6567.26	-5068.69	1588.23	5311.69	5311.69	162.60	.52
11621.00	89.36	171.02	6568.16	-5127.89	1597.95	5371.09	5371.09	162.69	1.35
Projection To TD									
11679.00	89.36	171.02	6568.81	-5185.17	1607.00	5428.46	5428.48	162.78	.00