

103-02614

Job Number: 23D0611109	State/Country: West Virginia
Company: Stone Energy	Declination: -8.40
Lease/Well: Nice Talkington #3H	Grid: 0.85
Location: Mary Prospect	File name: D:\WINSERVE\JOBS\TN#3H.SVY
Rig Name: Saxon 141	Date/Time: 14-Jul-11 / 20:50
RKB: 18	Curve Name: Talkington Nice #3H As Drilled
G.L. or M.S.L.: 1300	

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Scientific Drilling

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 345.13
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

WV GEOLOGICAL SURVEY
 MORGANTOWN, WV

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	-90.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	-89.79	259.49	100.00	-.03	-.18	.01	.19	259.49	.21
200.00	-89.83	255.81	200.00	-.10	-.51	.03	.52	258.46	.05
300.00	-89.92	190.15	300.00	-.21	-.66	-.03	.69	252.64	.15
400.00	-89.88	201.58	400.00	-.37	-.71	-.17	.80	242.56	.04
500.00	-89.92	234.66	500.00	-.50	-.80	-.28	.95	237.93	.07
600.00	-89.96	295.06	600.00	-.53	-.89	-.28	1.04	239.32	.07
700.00	-89.90	353.77	700.00	-.42	-.93	-.17	1.03	245.52	.09
800.00	-89.94	332.29	800.00	-.29	-.97	-.03	1.01	253.52	.05
900.00	-89.90	309.83	900.00	-.18	-1.06	.09	1.08	260.16	.05
1000.00	-89.90	25.92	1000.00	-.05	-1.08	.23	1.09	267.40	.12
1100.00	-89.85	61.76	1100.00	.10	-.93	.33	.93	275.86	.09
1200.00	-89.78	33.80	1200.00	.32	-.70	.49	.77	294.60	.11
1300.00	-89.75	40.46	1300.00	.65	-.45	.74	.79	325.10	.04
1400.00	-89.72	65.03	1400.00	.92	-.09	.91	.92	354.70	.12
1500.00	-89.82	86.97	1499.99	1.03	.30	.92	1.07	16.01	.14
1600.00	-89.71	130.07	1599.99	.88	.64	.68	1.09	36.20	.20
1700.00	-89.76	147.01	1699.99	.54	.95	.28	1.09	60.46	.09
1800.00	-89.60	86.02	1799.99	.38	1.42	.01	1.47	74.85	.36
1900.00	-89.00	77.94	1899.98	.59	2.62	-.10	2.69	77.31	.60
2000.00	-88.61	81.63	1999.96	.95	4.68	-.28	4.77	78.52	.40
2100.00	-88.30	78.33	2099.93	1.43	7.32	-.50	7.46	78.99	.32
2200.00	-87.85	69.78	2199.87	2.37	10.53	-.41	10.80	77.31	.54
2300.00	-87.55	66.94	2299.79	3.86	14.26	.07	14.77	74.86	.32
2400.00	-87.31	64.12	2399.69	5.72	18.34	.82	19.21	72.68	.27

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth			Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
				N-S FT	E-W FT		Distance FT	Direction Deg	
2499.99	-87.31	63.06	2499.57	7.81	22.54	1.76	23.85	70.90	.05
2599.99	-87.30	65.40	2599.46	9.85	26.78	2.65	28.53	69.80	.11
2699.99	-87.37	61.07	2699.35	11.94	30.93	3.61	33.15	68.89	.21
2799.99	-87.35	50.43	2799.24	14.53	34.72	5.13	37.64	67.29	.49
2899.99	-87.04	35.89	2899.12	18.09	38.02	7.73	42.11	64.55	.77
2999.99	-86.56	24.98	2998.97	22.90	40.80	11.66	46.79	60.69	.77
3099.99	-85.80	18.73	3098.75	29.08	43.24	17.01	52.11	56.08	.86
3199.99	-85.28	17.23	3198.44	36.48	45.63	23.55	58.42	51.36	.54
3299.99	-85.30	19.50	3298.11	44.27	48.22	30.41	65.46	47.45	.19
3399.99	-85.16	20.48	3397.76	52.07	51.06	37.23	72.93	44.44	.16
3499.99	-85.07	20.75	3497.40	60.04	54.06	44.16	80.79	42.00	.10
3599.99	-85.12	20.81	3597.03	68.04	57.09	51.11	88.82	40.00	.06
3699.99	-85.30	23.03	3696.68	75.78	60.20	57.79	96.79	38.46	.25
3799.99	-85.14	22.07	3796.33	83.48	63.40	64.41	104.82	37.22	.17
3899.99	-84.96	22.51	3895.96	91.45	66.67	71.28	113.18	36.09	.18
3999.99	-84.78	23.69	3995.56	99.67	70.18	78.32	121.90	35.15	.21
4099.99	-84.66	26.52	4095.14	108.00	74.08	85.37	130.96	34.45	.29
4199.99	-84.57	28.39	4194.70	116.33	78.41	92.31	140.28	33.98	.20
4299.99	-84.38	28.57	4294.23	124.79	83.00	99.31	149.87	33.63	.19
4399.99	-84.51	25.43	4393.76	133.42	87.40	106.52	159.50	33.23	.33
4499.99	-84.81	24.32	4493.33	141.87	91.32	113.68	168.72	32.77	.31
4599.99	-84.97	27.64	4592.93	149.88	95.22	120.42	177.56	32.43	.34
4699.99	-85.48	27.59	4692.58	157.26	99.08	126.56	185.86	32.21	.51
4799.99	-85.95	32.33	4792.30	163.73	102.79	131.87	193.32	32.12	.59
4899.99	-87.11	39.33	4892.12	168.66	106.27	135.74	199.35	32.21	1.23
4999.99	-88.39	45.14	4992.04	171.60	108.86	137.91	203.22	32.39	1.29
5099.99	-89.43	60.19	5092.02	172.84	110.29	138.74	205.03	32.54	1.07
5199.99	-89.28	71.02	5192.01	173.29	111.31	138.92	205.96	32.72	.19
5299.99	-89.27	85.34	5292.01	173.54	112.54	138.85	206.84	32.96	.18
5399.99	-89.56	67.14	5392.00	173.74	113.53	138.79	207.55	33.16	.34
5480.99	-89.40	68.91	5473.00	174.02	114.21	138.88	208.15	33.28	.20
5517.00	-89.13	55.56	5509.00	174.24	114.61	138.99	208.56	33.34	.88
5549.00	-89.16	55.37	5541.00	174.51	115.01	139.15	209.00	33.39	.09
5581.00	-87.92	36.66	5572.99	175.11	115.55	139.59	209.80	33.42	4.10
5613.00	-84.61	27.16	5604.92	176.91	116.58	141.07	211.87	33.38	10.49
5644.00	-81.64	21.84	5635.69	180.30	118.08	143.96	215.53	33.22	9.79
5676.00	-79.75	18.24	5667.27	185.16	119.84	148.21	220.56	32.91	6.18
5708.00	-78.51	16.76	5698.70	190.92	121.65	153.31	226.38	32.50	3.97
5740.00	-77.47	15.28	5729.99	197.32	123.48	159.02	232.77	32.04	3.39
5772.00	-76.32	15.15	5761.16	204.32	125.39	165.30	239.73	31.54	3.59
5804.00	-75.05	16.73	5792.17	211.93	127.56	172.09	247.36	31.04	4.15
5836.00	-73.67	18.98	5822.98	220.14	130.22	179.35	255.77	30.61	4.71
5867.00	-70.86	21.76	5852.51	228.98	133.52	187.05	265.06	30.25	9.46
5899.00	-68.04	23.46	5882.47	239.34	137.85	195.95	276.20	29.94	9.01
5931.00	-66.02	23.92	5911.93	250.78	142.87	205.71	288.62	29.67	6.34

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
5963.00	-65.75	23.95	5941.13	262.73	148.17	215.90	301.63	29.42	.84
5995.00	-65.27	23.71	5970.26	274.86	153.53	226.26	314.83	29.19	1.53
6027.00	-64.33	23.40	5999.21	287.35	158.97	236.93	328.39	28.95	2.97
6059.00	-63.03	22.91	6027.89	300.40	164.55	248.11	342.51	28.71	4.12
6091.00	-60.95	22.12	6056.14	314.28	170.30	260.05	357.45	28.45	6.60
6123.00	-58.04	20.84	6083.71	329.39	176.24	273.13	373.58	28.15	9.32
6154.00	-55.38	19.59	6109.62	345.36	182.11	287.06	390.44	27.80	8.86
6186.00	-52.82	16.97	6135.54	363.18	187.99	302.77	408.95	27.37	9.33
6218.00	-50.31	14.88	6160.61	382.30	193.43	319.86	428.45	26.84	8.83
6250.00	-48.38	12.70	6184.88	402.55	198.39	338.16	448.78	26.24	7.49
6282.00	-46.69	11.36	6208.49	423.68	202.89	357.42	469.75	25.59	5.99
6313.00	-44.97	9.40	6230.73	444.92	206.78	376.96	490.63	24.93	7.08
6345.00	-42.77	6.63	6252.90	467.76	209.98	398.21	512.73	24.18	9.28
6377.00	-40.75	4.30	6274.22	491.52	212.25	420.59	535.39	23.36	8.33
6409.00	-38.31	3.11	6294.58	516.15	213.84	443.99	558.69	22.50	8.15
6441.00	-35.47	1.66	6313.79	541.72	214.90	468.43	582.78	21.64	9.59
6472.00	-33.20	.73	6331.27	567.31	215.43	493.02	606.83	20.79	7.73
6504.00	-30.71	359.05	6348.21	594.45	215.37	519.28	632.27	19.92	8.97
6536.00	-29.54	358.64	6364.27	622.13	214.81	546.16	658.17	19.05	3.82
6568.00	-27.87	358.16	6379.64	650.18	214.03	573.48	684.50	18.22	5.38
6599.00	-25.54	356.95	6393.57	677.85	212.84	600.52	710.48	17.43	8.29
6631.00	-23.61	355.23	6406.88	706.88	210.86	629.09	737.66	16.61	7.76
6663.00	-21.76	353.20	6419.22	736.25	207.88	658.24	765.03	15.77	8.23
6694.00	-20.46	351.13	6430.39	764.89	203.93	686.94	791.61	14.93	7.51
6726.00	-18.81	349.66	6441.14	794.61	198.90	716.95	819.12	14.05	6.73
6758.00	-17.57	348.18	6451.13	824.44	193.06	747.29	846.74	13.18	5.86
6789.00	-16.00	347.02	6460.08	853.43	186.68	776.94	873.61	12.34	6.20
6821.00	-14.99	346.29	6468.63	883.43	179.57	807.76	901.49	11.49	3.85
6853.00	-13.66	345.25	6476.55	913.48	171.94	838.76	929.52	10.66	5.21
6885.00	-11.17	343.51	6483.43	943.58	163.53	870.01	957.64	9.83	9.42
6916.00	-7.17	341.68	6488.37	972.77	154.37	900.58	984.94	9.02	14.16
6948.00	-5.28	341.07	6491.84	1002.91	144.21	932.32	1013.23	8.18	6.20
6980.00	-4.77	341.06	6494.64	1033.07	133.87	964.11	1041.70	7.38	1.59
7012.00	-4.17	340.75	6497.13	1063.21	123.43	995.93	1070.35	6.62	2.11
7044.00	-3.69	341.03	6499.33	1093.38	112.98	1027.77	1099.20	5.90	1.74
7075.00	-2.15	340.38	6500.91	1122.60	102.75	1058.63	1127.29	5.23	5.39
7107.00	-1.07	339.80	6501.80	1152.67	91.86	1090.50	1156.33	4.56	3.83
7139.00	.77	339.24	6501.89	1182.65	80.66	1122.34	1185.40	3.90	6.01
7171.00	1.78	338.16	6501.18	1212.45	69.04	1154.13	1214.42	3.26	4.62
7234.00	2.92	336.87	6498.59	1270.61	44.97	1216.52	1271.41	2.03	2.73
7298.00	2.69	337.70	6495.46	1329.58	20.29	1279.85	1329.73	.87	1.34
7362.00	1.91	338.54	6492.89	1388.92	-3.54	1343.32	1388.92	359.85	1.79
7426.00	1.95	338.03	6490.74	1448.34	-27.21	1406.82	1448.60	358.92	.80
7489.00	1.21	336.89	6489.00	1506.51	-51.35	1469.23	1507.38	358.05	2.16
7552.00	.30	336.87	6488.50	1564.45	-76.08	1531.58	1566.29	357.22	2.40

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
7616.00	-1.54	336.19	6489.53	1623.14	-101.57	1594.85	1626.32	356.42	2.21
7679.00	-1.65	337.17	6491.28	1680.97	-126.50	1657.14	1685.72	355.70	1.56
7743.00	-.97	338.29	6492.74	1740.18	-150.75	1720.59	1746.70	355.05	2.05
7807.00	.10	338.35	6493.23	1799.65	-174.39	1784.13	1808.08	354.47	1.67
7870.00	.94	337.81	6492.66	1858.09	-197.91	1846.66	1868.60	353.92	1.59
7934.00	1.75	337.68	6491.16	1917.31	-222.14	1910.11	1930.13	353.39	1.28
7997.00	1.68	338.58	6489.27	1975.75	-245.59	1972.61	1990.95	352.91	1.43
8061.00	.84	339.86	6487.86	2035.57	-268.29	2036.25	2053.17	352.49	2.39
8125.00	-.44	340.67	6487.64	2095.81	-289.90	2100.02	2115.76	352.12	2.37
8188.00	-2.20	340.66	6487.99	2155.25	-310.76	2162.83	2177.54	351.80	.38
8252.00	-.40	341.33	6488.33	2215.76	-331.60	2226.66	2240.44	351.49	1.09
8315.00	-1.01	341.04	6489.10	2275.39	-351.92	2289.50	2302.45	351.21	1.07
8379.00	-.97	340.28	6490.21	2335.77	-373.11	2353.30	2365.38	350.92	1.19
8443.00	-.37	340.17	6490.96	2395.99	-394.76	2417.06	2428.30	350.64	.95
8507.00	.87	340.40	6490.68	2456.24	-416.35	2480.83	2491.28	350.38	1.97
8570.00	.44	339.65	6489.96	2515.45	-437.87	2543.57	2553.27	350.13	1.37
8634.00	-.64	338.00	6490.07	2575.12	-460.99	2607.18	2616.06	349.85	3.08
8698.00	-.47	337.91	6490.69	2634.44	-485.01	2670.68	2678.71	349.57	.30
8761.00	.23	337.13	6490.82	2692.65	-509.10	2733.12	2740.36	349.29	1.66
8825.00	.24	337.69	6490.56	2751.74	-533.68	2796.54	2803.01	349.02	.88
8888.00	-.03	337.98	6490.44	2810.08	-557.45	2859.03	2864.84	348.78	.63
8952.00	.70	339.27	6490.07	2869.68	-580.78	2922.62	2927.86	348.56	2.32
9016.00	-.07	341.19	6489.72	2929.90	-602.42	2986.38	2991.19	348.38	3.23
9079.00	-.30	342.04	6489.92	2989.69	-622.29	3049.26	3053.76	348.24	1.40
9143.00	.30	341.35	6489.92	3050.45	-642.39	3113.14	3117.35	348.11	1.43
9207.00	.84	340.77	6489.28	3110.98	-663.16	3176.98	3180.88	347.97	1.24
9271.00	.44	343.10	6488.57	3171.82	-683.01	3240.87	3244.52	347.85	3.69
9334.00	-.91	344.71	6488.83	3232.34	-700.47	3303.85	3307.37	347.77	3.34
9398.00	-1.14	344.25	6489.97	3294.00	-717.59	3367.84	3371.26	347.71	.80
9462.00	-.50	343.80	6490.89	3355.52	-735.21	3431.82	3435.12	347.64	1.22
9525.00	.47	343.50	6490.90	3415.97	-752.94	3494.80	3497.97	347.57	1.61
9588.00	.77	343.29	6490.22	3476.34	-770.94	3557.76	3560.80	347.50	.58
9652.00	.07	341.72	6489.75	3537.38	-790.18	3621.69	3624.56	347.41	2.69
9715.00	.17	340.75	6489.62	3597.03	-810.45	3684.55	3687.20	347.30	1.55
9779.00	.30	339.84	6489.36	3657.28	-832.03	3748.32	3750.73	347.18	1.44
9843.00	-.60	339.64	6489.53	3717.32	-854.19	3812.03	3814.20	347.06	1.44
9906.00	-.57	340.10	6490.17	3776.47	-875.87	3874.77	3876.70	346.94	.73
9970.00	.40	339.98	6490.26	3836.62	-897.72	3938.51	3940.25	346.83	1.53
10033.00	1.55	339.65	6489.19	3895.74	-919.45	4001.23	4002.77	346.72	1.90
10097.00	2.18	339.26	6487.11	3955.64	-941.90	4064.88	4066.23	346.61	1.16
10161.00	.74	338.44	6485.48	4015.31	-964.98	4128.48	4129.63	346.49	2.59
10225.00	-.17	337.97	6485.16	4074.73	-988.74	4192.01	4192.98	346.36	1.60
10289.00	-.03	337.50	6485.27	4133.96	-1012.99	4255.48	4256.26	346.23	.77
10352.00	.71	337.15	6484.90	4192.09	-1037.28	4317.89	4318.51	346.10	1.30
10416.00	.77	337.09	6484.07	4251.05	-1062.16	4381.26	4381.73	345.97	.13

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
10480.00	.40	337.09	6483.42	4309.99	-1087.07	4444.63	4444.97	345.84	.58
10543.00	-.67	338.01	6483.57	4368.22	-1111.13	4507.08	4507.32	345.73	2.24
10606.00	-.94	338.90	6484.45	4426.81	-1134.26	4569.64	4569.81	345.63	1.48
10669.00	-.07	339.00	6485.01	4485.60	-1156.89	4632.27	4632.39	345.54	1.39
10733.00	.44	338.70	6484.80	4545.29	-1179.98	4695.89	4695.96	345.45	.92
10796.00	1.04	338.53	6483.99	4603.95	-1202.95	4758.48	4758.51	345.36	.99
10859.00	2.11	338.40	6482.25	4662.53	-1226.07	4821.03	4821.04	345.27	1.71
Projection To TD									
10916.00	2.11	338.40	6480.16	4715.49	-1247.04	4877.59	4877.60	345.19	.00

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