

Job Number: 23D0611092
 Company: Stone Energy
 Lease/Well: Nice Talkington #4 H
 Location: Mary Prospect
 Rig Name: Saxon 141
 RKB: 18
 G.L. or M.S.L.: 1300

State/Country: West Virginia
 Declination: -8.4
 Grid: 0.85
 File name: D:WINSERVE\JOBS\ITN#4H.SVY
 Date/Time: 13-Jun-11 / 08:14
 Curve Name: TALKington Nice #4H As Drilled

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 336.20
 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	.56	60.54	100.00	.24	.43	.05	.49	60.54	.56
200.00	.14	270.40	200.00	.49	.74	.15	.88	56.58	.69
300.00	.14	278.03	300.00	.50	.49	.26	.70	44.14	.02
400.00	.15	260.48	400.00	.50	.24	.36	.55	25.33	.04
500.00	.13	252.11	500.00	.44	.00	.41	.44	359.97	.03
600.00	.12	262.06	600.00	.39	-.21	.45	.45	331.51	.02
700.00	.15	254.96	700.00	.35	-.44	.49	.56	308.03	.03
800.00	.11	273.10	800.00	.32	-.66	.56	.74	295.55	.05
900.00	.07	294.46	900.00	.35	-.82	.65	.89	293.07	.05
1000.00	.06	359.74	1000.00	.43	-.88	.74	.98	295.86	.07
1100.00	.09	286.04	1100.00	.50	-.96	.84	1.08	297.52	.09
1200.00	.31	18.72	1199.99	.78	-.95	1.09	1.23	309.43	.33

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	
1300.00	.44	24.03	1299.99	1.39	-.70	1.55	1.56	333.15	.13
1400.00	.44	32.41	1399.99	2.06	-.34	2.03	2.09	350.65	.06
1500.00	.52	53.27	1499.99	2.66	.23	2.34	2.67	4.94	.19
1600.00	.56	69.70	1599.98	3.10	1.05	2.41	3.27	18.70	.16
1700.00	.57	66.09	1699.98	3.47	1.96	2.38	3.98	29.44	.04
1800.00	.88	40.97	1799.97	4.25	2.91	2.71	5.15	34.45	.44
1900.00	1.00	33.85	1899.96	5.55	3.90	3.51	6.79	35.11	.17
2000.00	.98	34.69	1999.94	6.98	4.88	4.42	8.52	34.94	.02
2100.00	1.15	40.61	2099.92	8.45	6.02	5.30	10.37	35.46	.20
2200.00	1.20	43.37	2199.90	9.97	7.38	6.14	12.40	36.54	.08
2300.00	1.23	43.38	2299.88	11.50	8.84	6.96	14.51	37.53	.03
2400.00	1.16	41.56	2399.86	13.04	10.24	7.80	16.58	38.16	.08
2499.99	1.19	35.61	2499.83	14.63	11.51	8.74	18.62	38.20	.13
2599.99	1.06	27.80	2599.81	16.29	12.55	9.84	20.57	37.60	.20
2699.99	.47	280.84	2699.80	17.19	12.58	10.65	21.30	36.20	1.28
2799.99	1.57	225.02	2799.79	16.30	11.21	10.39	19.78	34.53	1.36
2899.99	2.18	218.49	2899.73	13.84	9.06	9.01	16.54	33.21	.65
2999.99	2.61	213.02	2999.65	10.44	6.64	6.88	12.37	32.43	.48
3099.99	3.98	204.42	3099.48	5.38	3.96	3.32	6.68	36.39	1.46
3199.99	5.25	198.01	3199.15	-2.13	1.11	-2.40	2.41	152.45	1.37
3299.99	6.44	199.50	3298.63	-11.77	-2.17	-9.90	11.97	190.46	1.21
3399.99	7.75	205.53	3397.86	-23.15	-6.95	-18.38	24.17	196.72	1.50
3499.99	8.55	204.97	3496.85	-35.98	-13.00	-27.67	38.25	199.87	.80
3599.99	8.39	204.67	3595.76	-49.34	-19.18	-37.41	52.94	201.24	.17
3699.99	7.78	204.25	3694.77	-62.14	-25.01	-46.77	66.99	201.92	.61
3799.99	8.40	201.79	3793.77	-75.10	-30.50	-56.41	81.06	202.10	.71
3899.99	8.75	200.58	3892.65	-89.01	-35.88	-66.96	95.97	201.96	.40
3999.99	9.09	196.95	3991.44	-103.69	-40.86	-78.38	111.45	201.51	.66
4099.99	9.02	196.34	4090.20	-118.77	-45.37	-90.36	127.14	200.91	.12
4199.99	9.02	194.15	4188.96	-133.89	-49.49	-102.53	142.74	200.29	.34
4299.99	9.22	191.07	4287.70	-149.35	-52.94	-115.29	158.46	199.52	.53
4399.99	8.84	190.13	4386.46	-164.78	-55.83	-128.23	173.98	198.72	.41
4499.99	8.89	190.53	4485.26	-179.93	-58.60	-140.99	189.24	198.04	.08
4599.99	9.04	191.53	4584.04	-195.23	-61.58	-153.78	204.71	197.51	.21

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	
4699.99	8.90	191.44	4682.82	-210.51	-64.68	-166.50	220.22	197.08	.14
4799.99	8.81	190.23	4781.63	-225.63	-67.58	-179.17	235.53	196.67	.21
4899.99	8.45	191.21	4880.50	-240.37	-70.37	-191.53	250.46	196.32	.39
4999.99	7.79	191.48	4979.49	-254.21	-73.14	-203.08	264.53	196.05	.67
5099.99	7.39	195.67	5078.62	-267.04	-76.23	-213.57	277.71	195.93	.68
5199.99	6.70	198.94	5177.86	-278.75	-79.86	-222.81	289.96	195.99	.80
5299.99	5.26	205.85	5277.32	-288.38	-83.75	-230.06	300.30	196.19	1.61
5399.99	3.17	229.13	5377.05	-294.32	-87.84	-233.84	307.15	196.62	2.66
5499.99	.86	207.09	5476.98	-296.80	-90.28	-235.13	310.23	196.92	2.39
5550.00	1.07	172.72	5526.99	-297.60	-90.39	-235.82	311.02	196.89	1.21
5582.00	1.95	222.74	5558.98	-298.30	-90.72	-236.32	311.79	196.92	4.70
5614.00	4.31	251.11	5590.93	-299.09	-92.23	-236.43	312.98	197.14	8.61
5646.00	6.54	254.77	5622.78	-299.95	-95.12	-236.06	314.68	197.60	7.05
5677.00	9.30	257.48	5653.48	-300.96	-99.27	-235.31	316.91	198.26	8.98
5709.00	11.79	256.73	5684.94	-302.27	-104.98	-234.20	319.98	199.15	7.79
5741.00	14.18	257.88	5716.12	-303.85	-112.00	-232.81	323.83	200.23	7.51
5773.00	16.20	258.33	5747.00	-305.57	-120.20	-231.08	328.36	201.47	6.32
5804.00	17.80	262.56	5776.65	-307.06	-129.13	-228.84	333.11	202.81	6.52
5836.00	20.32	264.93	5806.89	-308.18	-139.52	-225.67	338.29	204.36	8.24
5868.00	22.34	265.43	5836.70	-309.16	-151.12	-221.89	344.12	206.05	6.34
5900.00	24.40	266.04	5866.07	-310.10	-163.78	-217.64	350.69	207.84	6.48
5931.00	27.06	265.41	5893.99	-311.11	-177.19	-213.14	358.03	209.66	8.63
5963.00	28.43	269.48	5922.32	-311.76	-192.07	-207.74	366.18	211.64	7.30
5995.00	28.87	277.58	5950.41	-310.81	-207.35	-200.70	373.63	213.71	12.21
6027.00	30.26	282.93	5978.25	-307.99	-222.87	-191.86	380.17	215.89	9.32
6058.00	31.82	287.31	6004.81	-303.81	-238.29	-181.81	386.11	218.11	8.85
6090.00	32.82	291.47	6031.86	-298.12	-254.41	-170.10	391.92	220.48	7.62
6121.00	33.52	293.80	6057.81	-291.59	-270.06	-157.81	397.44	222.81	4.69
6153.00	34.80	296.81	6084.29	-283.91	-286.30	-144.23	403.20	225.24	6.62
6185.00	35.29	300.37	6110.49	-275.11	-302.43	-129.67	408.84	227.71	6.57
6217.00	36.99	304.08	6136.33	-265.04	-318.38	-114.02	414.26	230.22	8.66
6248.00	38.73	305.94	6160.81	-254.12	-333.96	-97.75	419.65	232.73	6.71
6280.00	40.71	308.01	6185.42	-241.82	-350.29	-79.90	425.65	235.38	7.44
6312.00	42.70	310.05	6209.31	-228.41	-366.82	-60.96	432.12	238.09	7.53

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	
6343.00	45.00	310.74	6231.67	-214.49	-383.17	-41.63	439.12	240.76	7.58
6375.00	47.30	311.19	6253.83	-199.36	-400.59	-20.75	447.46	243.54	7.26
6407.00	49.51	311.20	6275.07	-183.60	-418.60	.94	457.09	246.32	6.91
6439.00	51.77	311.90	6295.37	-167.19	-437.11	23.42	468.00	249.07	7.26
6471.00	54.03	312.92	6314.67	-149.98	-455.95	46.78	479.99	251.79	7.51
6503.00	55.10	315.39	6333.22	-131.81	-474.65	70.94	492.62	254.48	7.12
6534.00	56.55	317.19	6350.64	-113.27	-492.37	95.05	505.23	257.04	6.70
6566.00	58.06	319.60	6367.92	-93.14	-510.25	120.69	518.68	259.66	7.90
6598.00	58.93	321.32	6384.65	-72.10	-527.61	146.95	532.52	262.22	5.33
6630.00	60.04	324.58	6400.90	-50.10	-544.22	173.78	546.52	264.74	9.44
6662.00	61.45	325.67	6416.54	-27.19	-560.18	201.18	560.84	267.22	5.31
6693.00	63.55	327.17	6430.85	-4.29	-575.38	228.27	575.40	269.57	8.02
6725.00	66.30	329.47	6444.41	20.38	-590.59	256.98	590.95	271.98	10.78
6757.00	68.90	330.04	6456.61	45.94	-605.49	286.37	607.23	274.34	8.29
6789.00	71.35	332.31	6467.49	72.30	-620.00	316.35	624.20	276.65	10.15
6821.00	73.73	333.36	6477.09	99.46	-633.93	346.82	641.69	278.92	8.07
6853.00	77.20	334.67	6485.12	127.30	-647.50	377.77	659.89	281.12	11.54
6885.00	79.70	335.12	6491.52	155.68	-660.80	409.11	678.89	283.26	7.93
6917.00	82.38	335.35	6496.51	184.38	-674.04	440.71	698.80	285.30	8.41
6948.00	85.09	336.01	6499.89	212.46	-686.73	471.52	718.84	287.19	8.99
6980.00	86.37	336.47	6502.27	241.67	-699.58	503.43	740.15	289.06	4.25
7043.00	88.49	337.42	6505.10	299.57	-724.23	566.36	783.74	292.47	3.69
7107.00	88.72	337.20	6506.66	358.60	-748.91	630.33	830.34	295.59	.50
7171.00	89.60	338.45	6507.59	417.86	-773.06	694.29	878.77	298.39	2.39
7234.00	90.81	339.29	6507.37	476.62	-795.77	757.22	927.59	300.92	2.34
7297.00	91.51	341.25	6506.09	535.91	-817.03	820.05	977.11	303.26	3.30
7361.00	91.48	342.05	6504.42	596.63	-837.18	883.73	1028.02	305.48	1.25
7424.00	91.65	344.13	6502.70	656.88	-855.49	946.25	1078.59	307.52	3.31
7488.00	91.71	345.76	6500.83	718.66	-872.11	1009.48	1130.06	309.49	2.55
7551.00	91.98	345.61	6498.80	779.67	-887.68	1071.59	1181.46	311.29	.49
7615.00	91.54	347.34	6496.83	841.86	-902.64	1134.53	1234.30	313.00	2.79
7679.00	91.04	348.83	6495.39	904.47	-915.85	1197.14	1287.18	314.64	2.46
7742.00	91.88	348.46	6493.79	966.21	-928.25	1258.64	1339.85	316.15	1.46
7806.00	90.84	349.63	6492.27	1029.03	-940.40	1321.02	1394.01	317.58	2.45

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	
7870.00	91.28	349.85	6491.08	1091.99	-951.80	1383.23	1448.58	318.92	.77
7934.00	90.50	350.52	6490.09	1155.05	-962.71	1445.32	1503.65	320.19	1.61
7997.00	88.99	350.14	6490.37	1217.15	-973.29	1506.41	1558.45	321.35	2.47
8061.00	88.59	349.93	6491.72	1280.17	-984.36	1568.54	1614.87	322.44	.71
8125.00	88.82	349.67	6493.17	1343.14	-995.70	1630.73	1671.96	323.45	.54
8188.00	89.09	350.27	6494.32	1405.17	-1006.67	1691.91	1728.55	324.38	1.04
8252.00	88.62	348.43	6495.59	1468.05	-1018.49	1754.22	1786.76	325.25	2.97
8315.00	88.22	347.67	6497.33	1529.66	-1031.53	1815.85	1844.97	326.01	1.36
8379.00	88.46	346.69	6499.19	1592.04	-1045.73	1878.65	1904.77	326.70	1.58
8443.00	88.89	346.24	6500.67	1654.25	-1060.70	1941.61	1965.10	327.33	.97
8506.00	90.57	346.16	6500.96	1715.42	-1075.73	2003.65	2024.81	327.91	2.67
8570.00	91.68	347.08	6499.71	1777.67	-1090.53	2066.58	2085.52	328.47	2.25
8634.00	92.25	346.60	6497.51	1839.96	-1105.10	2129.44	2146.32	329.01	1.16
8697.00	91.14	345.81	6495.65	1901.11	-1120.11	2191.46	2206.55	329.49	2.16
8761.00	91.01	345.37	6494.45	1963.09	-1136.04	2254.59	2268.10	329.94	.72
8824.00	91.01	345.90	6493.34	2024.11	-1151.66	2316.72	2328.81	330.36	.84
8888.00	91.38	345.66	6492.00	2086.13	-1167.38	2379.82	2390.55	330.77	.69
8951.00	90.07	344.93	6491.20	2147.06	-1183.37	2442.02	2451.58	331.14	2.38
9015.00	89.97	344.47	6491.18	2208.79	-1200.26	2505.32	2513.84	331.48	.74
9078.00	90.13	344.65	6491.13	2269.52	-1217.03	2567.65	2575.24	331.80	.38
9142.00	90.03	344.57	6491.04	2331.22	-1234.02	2630.96	2637.69	332.11	.20
9206.00	90.27	344.66	6490.87	2392.93	-1251.00	2694.27	2700.21	332.40	.40
9269.00	90.64	343.82	6490.37	2453.56	-1268.11	2756.65	2761.89	332.67	1.46
9333.00	90.67	344.07	6489.64	2515.06	-1285.80	2820.06	2824.68	332.92	.39
9396.00	90.77	344.06	6488.85	2575.63	-1303.10	2882.46	2886.51	333.16	.16
9460.00	89.66	343.82	6488.61	2637.13	-1320.80	2945.88	2949.41	333.40	1.77
9524.00	89.43	343.49	6489.12	2698.55	-1338.81	3009.33	3012.40	333.61	.63
9588.00	89.60	342.95	6489.66	2759.82	-1357.29	3072.85	3075.52	333.81	.88
9652.00	89.56	343.02	6490.13	2821.02	-1376.02	3136.40	3138.72	334.00	.13
9716.00	89.87	343.75	6490.44	2882.34	-1394.32	3199.90	3201.88	334.18	1.24
9779.00	90.00	344.18	6490.52	2942.89	-1411.72	3262.32	3263.98	334.37	.71
9843.00	89.87	342.61	6490.59	3004.22	-1430.01	3325.81	3327.20	334.55	2.46
9906.00	91.01	341.91	6490.10	3064.22	-1449.20	3388.46	3389.64	334.69	2.12
9970.00	91.78	342.05	6488.55	3125.06	-1469.00	3452.11	3453.11	334.82	1.22

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	
10034.00	91.81	341.67	6486.54	3185.85	-1488.91	3515.77	3516.61	334.95	.60
10097.00	91.18	342.44	6484.90	3245.77	-1508.32	3578.42	3579.11	335.08	1.58
10161.00	91.07	342.82	6483.64	3306.84	-1527.42	3642.00	3642.55	335.21	.62
10224.00	90.77	342.96	6482.63	3367.04	-1545.95	3704.57	3704.99	335.34	.53
10288.00	90.84	343.75	6481.73	3428.35	-1564.28	3768.06	3768.36	335.47	1.24
10352.00	90.30	342.13	6481.09	3489.53	-1583.06	3831.61	3831.83	335.60	2.67
10415.00	89.63	340.74	6481.13	3549.25	-1603.11	3894.35	3894.50	335.69	2.45
10479.00	89.70	340.25	6481.51	3609.58	-1624.48	3958.17	3958.28	335.77	.77
10534.00	89.90	340.64	6481.70	3661.40	-1642.89	4013.02	4013.10	335.83	.80
Projection to Bit									
10590.00	90.10	341.04	6481.70	3714.30	-1661.27	4068.83	4068.89	335.90	.80