

Job Number: 23D1111247
 Company: Stone Energy
 Lease/Well: Potts 3H
 Location: Wetzel County
 Rig Name: Saxon 141
 RKB: 18
 G.L. or M.S.L.: 1326

State/Country: West Virginia
 Declination: -8.41
 Grid: .84
 File name: D:\WINSERVE\STONEJ-1P#3H.SVY
 Date/Time: 30-Nov-11 / 23:23
 Curve Name: Potts #3H As Drilled

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 335.49
 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	CLOSURE Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
108.00	.09	229.95	108.00	-.05	-.06	-.02	.08	229.95	.08
208.00	.16	302.17	208.00	-.03	-.24	.07	.25	262.79	.16
308.00	.11	278.17	308.00	.06	-.46	.24	.46	277.15	.07
408.00	.17	279.83	408.00	.10	-.70	.38	.70	277.85	.06
508.00	.20	279.14	508.00	.15	-1.02	.56	1.03	278.36	.03
608.00	.14	305.57	608.00	.25	-1.29	.76	1.31	280.90	.10
708.00	.17	315.19	708.00	.42	-1.49	1.00	1.55	285.88	.04
808.00	.17	319.40	808.00	.64	-1.69	1.29	1.81	290.78	.01
908.00	.02	304.77	908.00	.76	-1.80	1.44	1.96	292.98	.15
1008.00	.09	248.95	1008.00	.75	-1.89	1.46	2.03	291.54	.08
1108.00	.04	331.55	1108.00	.75	-1.98	1.50	2.12	290.71	.09
1208.00	.50	306.22	1208.00	1.04	-2.35	1.92	2.57	293.82	.46

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	
1308.00	.49	307.39	1307.99	1.56	-3.04	2.68	3.42	297.08	.01
1408.00	.46	313.22	1407.99	2.09	-3.67	3.43	4.23	299.63	.06
1508.00	.61	311.38	1507.98	2.72	-4.37	4.28	5.14	301.89	.15
1608.00	.87	309.55	1607.98	3.55	-5.35	5.45	6.42	303.58	.26
1708.00	1.14	300.09	1707.96	4.53	-6.80	6.94	8.17	303.71	.32
1808.00	1.08	296.32	1807.94	5.45	-8.50	8.49	10.10	302.66	.09
1908.00	.78	327.39	1907.93	6.44	-9.71	9.89	11.66	303.55	.58
2008.00	.87	355.83	2007.92	7.77	-10.14	11.28	12.77	307.48	.41
2108.00	1.10	354.17	2107.90	9.48	-10.29	12.90	13.99	312.67	.23
2208.00	.69	359.58	2207.89	11.04	-10.39	14.36	15.16	316.74	.42
2308.00	.39	55.95	2307.89	11.83	-10.11	14.96	15.57	319.48	.57
2408.00	.53	63.28	2407.88	12.23	-9.42	15.04	15.44	322.41	.15
2508.00	.97	35.14	2507.88	13.13	-8.52	15.48	15.65	327.03	.56
2608.00	1.16	19.44	2607.86	14.78	-7.69	16.64	16.66	332.50	.35
2708.00	2.11	320.32	2707.82	17.15	-8.53	19.14	19.16	333.55	1.81
2808.00	2.91	303.50	2807.73	19.97	-11.82	23.07	23.21	329.37	1.08
2908.00	3.30	284.06	2907.58	22.07	-16.73	27.02	27.70	322.83	1.12
3008.00	4.28	274.05	3007.36	23.03	-23.25	30.60	32.72	314.73	1.18
3108.00	4.79	270.21	3107.05	23.31	-31.14	34.13	38.90	306.81	.59
3208.00	4.64	273.91	3206.71	23.60	-39.36	37.80	45.89	300.95	.34
3308.00	4.77	283.01	3306.38	24.81	-47.44	42.26	53.54	297.61	.76
3408.00	4.80	283.38	3406.03	26.72	-55.56	47.36	61.65	295.68	.04
3508.00	4.11	283.59	3505.73	28.53	-63.12	52.14	69.26	294.32	.69
3608.00	4.20	279.61	3605.46	29.98	-70.21	56.41	76.34	293.12	.30
3708.00	4.25	272.33	3705.19	30.74	-77.52	60.13	83.40	291.63	.54
3808.00	3.80	272.60	3804.95	31.04	-84.54	63.32	90.06	290.16	.45
3908.00	3.33	277.93	3904.75	31.60	-90.72	66.39	96.07	289.20	.57
4008.00	2.87	283.09	4004.61	32.56	-96.04	69.47	101.41	288.73	.54
4108.00	2.65	288.15	4104.49	33.85	-100.67	72.56	106.21	288.58	.33
4208.00	2.50	301.29	4204.39	35.70	-104.73	75.93	110.65	288.82	.61
4308.00	2.35	321.67	4304.30	38.44	-107.87	79.73	114.52	289.62	.87
4408.00	2.50	351.46	4404.22	42.21	-109.46	83.82	117.32	291.09	1.25
4508.00	2.57	36.56	4504.13	46.17	-108.45	87.00	117.87	293.06	1.94
4608.00	2.81	40.00	4604.02	49.85	-105.54	89.14	116.72	295.28	.29

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	
4708.00	2.84	45.72	4703.90	53.45	-102.19	91.03	115.33	297.61	.28
4808.00	2.30	54.01	4803.80	56.36	-98.80	92.27	113.74	299.70	.65
4908.00	2.15	60.14	4903.72	58.48	-95.55	92.84	112.02	301.47	.28
5008.00	2.00	85.26	5003.66	59.55	-92.18	92.43	109.74	302.86	.91
5108.00	.91	113.95	5103.62	59.38	-89.71	91.24	107.58	303.50	1.28
5208.00	1.54	168.09	5203.60	57.74	-88.71	89.34	105.85	303.06	1.25
5308.00	2.19	177.28	5303.55	54.51	-88.34	86.25	103.81	301.68	.71
MWD Surveys									
5392.00	2.72	186.50	5387.47	50.93	-88.49	83.05	102.10	299.92	.78
5455.00	1.58	182.33	5450.43	48.58	-88.70	81.00	101.13	298.71	1.83
5518.00	1.63	135.44	5513.41	47.07	-88.10	79.38	99.89	298.11	2.03
5582.00	1.88	126.85	5577.38	45.79	-86.63	77.60	97.98	297.86	.57
5613.00	1.86	122.56	5608.36	45.22	-85.79	76.74	96.98	297.79	.46
5645.00	1.26	192.05	5640.35	44.59	-85.43	76.02	96.37	297.56	5.77
5677.00	2.25	248.98	5672.34	44.02	-86.09	75.77	96.69	297.08	5.89
5709.00	3.87	270.32	5704.29	43.81	-87.76	76.26	98.08	296.53	6.11
5741.00	5.74	277.40	5736.18	44.02	-90.42	77.56	100.57	295.96	6.12
5773.00	7.57	278.95	5767.96	44.55	-94.09	79.57	104.11	295.34	5.75
5805.00	10.01	277.78	5799.58	45.26	-98.93	82.22	108.79	294.58	7.65
5837.00	12.27	278.96	5830.98	46.16	-105.05	85.58	114.74	293.72	7.10
5869.00	14.33	281.91	5862.12	47.51	-112.28	89.81	121.92	292.93	6.78
5900.00	16.57	284.66	5892.00	49.42	-120.31	94.88	130.07	292.33	7.60
5932.00	18.92	285.38	5922.47	51.95	-129.73	101.09	139.75	291.82	7.38
5963.00	21.24	286.45	5951.59	54.87	-139.96	107.99	150.34	291.41	7.58
5995.00	23.08	287.31	5981.22	58.38	-151.51	115.98	162.37	291.07	5.84
Bottom Line CK.									
6027.00	25.39	288.41	6010.40	62.42	-164.01	124.83	175.49	290.83	7.36
6059.00	27.83	288.30	6039.01	66.93	-177.61	134.58	189.81	290.65	7.63
6091.00	29.93	287.81	6067.03	71.72	-192.31	145.03	205.24	290.45	6.60
6123.00	31.87	287.44	6094.48	76.69	-207.97	156.06	221.66	290.24	6.09
6154.00	34.09	287.54	6120.49	81.76	-224.06	167.35	238.51	290.05	7.16
6186.00	36.52	287.84	6146.60	87.38	-241.68	179.77	256.99	289.88	7.61
6218.00	38.76	287.46	6171.94	93.31	-260.30	192.88	276.52	289.72	7.04
6250.00	40.58	287.47	6196.57	99.44	-279.79	206.55	296.93	289.57	5.69

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	
6282.00	43.05	287.24	6220.41	105.80	-300.15	220.78	318.25	289.42	7.73
6313.00	45.01	287.14	6242.70	112.17	-320.73	235.12	339.78	289.28	6.33
6345.00	46.60	286.82	6265.01	118.87	-342.67	250.31	362.70	289.13	5.02
6377.00	49.25	287.15	6286.45	125.80	-365.39	266.05	386.44	289.00	8.32
6409.00	51.66	286.99	6306.82	133.05	-388.98	282.43	411.10	288.88	7.54
6440.00	53.57	287.39	6325.64	140.33	-412.51	298.81	435.72	288.79	6.25
6471.00	55.57	287.33	6343.61	147.86	-436.61	315.67	460.97	288.71	6.45
6501.00	57.32	287.09	6360.20	155.26	-460.49	332.31	485.96	288.63	5.87
6532.00	59.00	287.00	6376.55	162.98	-485.67	349.77	512.29	288.55	5.42
6563.00	60.59	288.87	6392.15	171.23	-511.16	367.86	539.08	288.52	7.31
6594.00	61.97	291.34	6407.04	180.58	-536.68	386.95	566.25	288.60	8.28
6625.00	63.33	293.44	6421.29	191.07	-562.14	407.06	593.72	288.77	7.45
6656.00	64.24	294.84	6434.98	202.44	-587.52	427.93	621.42	289.01	5.00
6686.00	65.53	296.26	6447.71	214.16	-612.02	448.76	648.41	289.29	6.07
6717.00	65.72	298.77	6460.51	227.20	-637.06	471.02	676.36	289.63	7.40
6747.00	65.70	301.76	6472.85	240.98	-660.67	493.35	703.25	290.04	9.08
6778.00	65.96	304.57	6485.55	256.45	-684.35	517.25	730.82	290.54	8.31
6809.00	67.51	307.50	6497.79	273.21	-707.37	542.04	758.30	291.12	10.02
6840.00	69.48	309.66	6509.16	291.20	-729.91	567.76	785.85	291.75	9.08
Bottom Line CK.									
6870.00	70.74	311.99	6519.37	309.64	-751.25	593.40	812.56	292.40	8.42
6901.00	72.40	314.24	6529.17	329.74	-772.72	620.59	840.13	293.11	8.72
6932.00	74.00	316.42	6538.13	350.84	-793.58	648.45	867.67	293.85	8.48
6962.00	75.61	318.49	6545.99	372.17	-813.15	675.97	894.27	294.59	8.55
6993.00	76.58	321.32	6553.44	395.19	-832.53	704.95	921.56	295.39	9.40
7024.00	77.79	323.37	6560.32	419.12	-850.99	734.39	948.60	296.22	7.54
7054.00	79.90	325.81	6566.12	443.11	-868.04	763.29	974.60	297.04	10.64
7085.00	81.53	329.18	6571.13	468.90	-884.48	793.58	1001.09	297.93	11.95
7115.00	81.50	331.93	6575.55	494.74	-899.06	823.14	1026.20	298.82	9.07
7146.00	82.11	334.12	6579.97	522.08	-912.98	853.79	1051.71	299.76	7.26
Landing Point									
7177.00	84.62	336.06	6583.56	550.01	-925.95	884.58	1076.98	300.71	10.21
7208.00	87.15	337.32	6585.78	578.40	-938.18	915.49	1102.15	301.65	9.11
7270.00	90.03	338.06	6587.30	635.74	-961.71	977.42	1152.84	303.47	4.80

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	
7331.00	91.44	338.14	6586.52	692.33	-984.46	1038.35	1203.53	305.12	2.32
7392.00	91.01	338.08	6585.22	748.92	-1007.19	1099.27	1255.12	306.63	.71
7454.00	91.21	338.38	6584.02	806.49	-1030.18	1161.19	1308.32	308.06	.58
Bottom Line									
7518.00	90.17	338.70	6583.25	866.04	-1053.60	1225.09	1363.85	309.42	1.70
7581.00	90.07	338.93	6583.11	924.79	-1076.36	1287.98	1419.08	310.67	.40
7645.00	90.87	338.11	6582.59	984.34	-1099.80	1351.89	1475.96	311.83	1.79
7708.00	89.56	339.73	6582.35	1043.12	-1122.45	1414.77	1532.32	312.90	3.31
7771.00	89.33	340.12	6582.96	1102.29	-1144.08	1477.58	1588.69	313.93	.72
7834.00	90.03	339.58	6583.32	1161.43	-1165.78	1540.40	1645.59	314.89	1.40
7898.00	89.02	340.76	6583.85	1221.63	-1187.49	1604.18	1703.68	315.81	2.43
7962.00	89.43	341.45	6584.71	1282.18	-1208.21	1667.87	1761.75	316.70	1.25
Bottom Line									
8025.00	89.70	340.40	6585.19	1341.71	-1228.80	1730.58	1819.38	317.52	1.72
8089.00	90.37	341.39	6585.15	1402.19	-1249.75	1794.30	1878.30	318.29	1.87
C/O MWD Tool & Motor									
8152.00	91.44	340.75	6584.16	1461.77	-1270.18	1856.99	1936.53	319.01	1.98
8216.00	92.18	339.77	6582.13	1521.98	-1291.79	1920.73	1996.28	319.68	1.92
8279.00	92.15	340.29	6579.75	1581.15	-1313.29	1983.49	2055.42	320.29	.83
8343.00	92.58	341.31	6577.11	1641.54	-1334.32	2047.16	2115.43	320.89	1.73
8406.00	92.18	341.95	6574.50	1701.27	-1354.15	2109.74	2174.41	321.48	1.20
8470.00	92.45	342.10	6571.91	1762.10	-1373.89	2173.28	2234.41	322.06	.48
8533.00	91.41	342.79	6569.79	1822.13	-1392.88	2235.78	2293.53	322.60	1.98
8597.00	90.20	342.52	6568.89	1883.21	-1411.96	2299.27	2353.75	323.14	1.94
8661.00	90.44	342.73	6568.53	1944.29	-1431.07	2362.77	2414.17	323.65	.50
8725.00	89.73	343.20	6568.44	2005.48	-1449.82	2426.23	2474.66	324.14	1.33
8788.00	89.73	343.13	6568.74	2065.78	-1468.06	2488.66	2534.30	324.60	.11
8852.00	90.37	342.30	6568.68	2126.89	-1487.08	2552.15	2595.20	325.04	1.64
8915.00	89.56	341.91	6568.72	2186.84	-1506.44	2614.73	2655.49	325.44	1.43
8978.00	89.63	342.61	6569.16	2246.85	-1525.63	2677.29	2715.86	325.82	1.12
9042.00	90.57	342.27	6569.05	2307.86	-1544.94	2740.82	2777.24	326.20	1.56
9106.00	90.34	341.93	6568.54	2368.76	-1564.61	2804.39	2838.85	326.55	.64
9169.00	90.47	341.77	6568.10	2428.63	-1584.24	2867.00	2899.66	326.88	.33
9233.00	89.83	341.69	6567.93	2489.40	-1604.30	2930.62	2961.57	327.20	1.01

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	
9296.00	89.63	342.45	6568.23	2549.34	-1623.69	2993.21	3022.50	327.51	1.25
Bottom Line CK.									
9359.00	90.47	342.51	6568.17	2609.42	-1642.66	3055.74	3083.40	327.81	1.34
9423.00	90.40	342.77	6567.69	2670.50	-1661.75	3119.24	3145.31	328.11	.42
9487.00	89.46	343.58	6567.76	2731.76	-1680.28	3182.66	3207.15	328.40	1.94
9550.00	89.73	343.16	6568.21	2792.12	-1698.31	3245.07	3268.06	328.69	.79
9614.00	90.60	343.01	6568.03	2853.35	-1716.93	3308.51	3330.08	328.96	1.38
9678.00	90.47	343.33	6567.43	2914.61	-1735.46	3371.93	3392.16	329.23	.54
9741.00	90.03	343.38	6567.15	2974.97	-1753.50	3434.33	3453.29	329.48	.70
9805.00	90.84	342.98	6566.67	3036.23	-1772.02	3497.76	3515.50	329.73	1.41
9869.00	90.67	343.07	6565.82	3097.43	-1790.71	3561.20	3577.81	329.97	.30
9932.00	90.27	343.23	6565.31	3157.73	-1808.97	3623.63	3639.18	330.19	.68
9996.00	91.14	342.43	6564.52	3218.87	-1827.86	3687.10	3701.65	330.41	1.85
10060.00	90.84	342.54	6563.41	3279.89	-1847.12	3750.62	3764.24	330.61	.50
10124.00	91.01	342.53	6562.38	3340.93	-1866.32	3814.13	3826.88	330.81	.27
10187.00	91.95	342.79	6560.75	3401.05	-1885.09	3876.61	3888.54	331.00	1.55
10251.00	91.31	342.17	6558.93	3462.06	-1904.35	3940.11	3951.25	331.19	1.39
10314.00	91.31	342.81	6557.49	3522.12	-1923.30	4002.62	4013.03	331.36	1.02
10377.00	92.08	343.39	6555.63	3582.37	-1941.61	4065.04	4074.71	331.54	1.53
10441.00	91.71	343.37	6553.51	3643.67	-1959.90	4128.40	4137.33	331.72	.58
Bottom Line									
10505.00	90.44	343.00	6552.31	3704.92	-1978.41	4191.81	4200.06	331.90	2.07
10568.00	89.73	344.94	6552.22	3765.46	-1995.81	4254.12	4261.69	332.08	3.28
10632.00	89.80	347.78	6552.48	3827.65	-2010.90	4316.96	4323.73	332.28	4.44
10696.00	89.46	349.48	6552.89	3890.39	-2023.52	4379.28	4385.18	332.52	2.71
10759.00	88.39	348.38	6554.08	3952.21	-2035.61	4440.55	4445.63	332.75	2.44
10822.00	88.05	346.26	6556.03	4013.64	-2049.43	4502.17	4506.60	332.95	3.41
10886.00	88.19	345.25	6558.13	4075.64	-2065.17	4565.12	4569.00	333.13	1.59
10950.00	88.96	345.12	6559.73	4137.49	-2081.53	4628.18	4631.58	333.29	1.22
11013.00	88.86	344.28	6560.92	4198.24	-2098.15	4690.36	4693.35	333.45	1.34
11077.00	88.86	343.68	6562.20	4259.75	-2115.81	4753.64	4756.27	333.59	.94
11141.00	89.46	341.73	6563.14	4320.84	-2134.83	4817.13	4819.46	333.71	3.19
11205.00	90.07	339.64	6563.40	4381.24	-2156.00	4880.86	4882.99	333.80	3.40
11268.00	89.63	343.01	6563.56	4440.91	-2176.17	4943.52	4945.44	333.89	5.39

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	
11332.00	89.70	343.48	6563.94	4502.19	-2194.62	5006.94	5008.60	334.01	.74
11396.00	90.87	343.60	6563.62	4563.57	-2212.75	5070.30	5071.73	334.13	1.84
11460.00	91.84	343.53	6562.11	4624.93	-2230.86	5133.65	5134.85	334.25	1.52
11524.00	91.55	343.40	6560.21	4686.26	-2249.06	5197.00	5198.01	334.36	.50
11587.00	91.58	342.45	6558.49	4746.46	-2267.55	5259.45	5260.29	334.46	1.51
11650.00	90.64	341.29	6557.27	4806.32	-2287.15	5322.05	5322.76	334.55	2.37
11713.00	90.27	341.20	6556.77	4865.97	-2307.41	5384.73	5385.33	334.63	.60
11777.00	89.66	342.01	6556.81	4926.70	-2327.60	5448.36	5448.87	334.71	1.58
11841.00	89.36	342.53	6557.36	4987.66	-2347.09	5511.91	5512.31	334.80	.94
11905.00	89.80	341.96	6557.83	5048.61	-2366.61	5575.47	5575.78	334.88	1.13
11905.00	89.80	341.96	6557.83	5048.61	-2366.61	5575.47	5575.78	334.88	256.23
11969.00	90.23	342.37	6557.81	5109.53	-2386.21	5639.03	5639.27	334.97	.93
12032.00	90.10	341.63	6557.63	5169.45	-2405.68	5701.63	5701.80	335.04	1.19
12096.00	90.91	341.30	6557.06	5230.13	-2426.02	5765.27	5765.40	335.12	1.37
12159.00	91.68	341.08	6555.64	5289.75	-2446.33	5827.95	5828.03	335.18	1.27
12223.00	90.34	343.32	6554.51	5350.67	-2465.89	5891.49	5891.54	335.26	4.08
12286.00	88.66	343.58	6555.06	5411.05	-2483.83	5953.88	5953.90	335.34	2.70
12350.00	89.19	343.42	6556.26	5472.41	-2502.01	6017.25	6017.25	335.43	.87
12413.00	87.95	343.19	6557.83	5532.73	-2520.10	6079.64	6079.64	335.51	2.00
12476.00	87.55	342.83	6560.31	5592.93	-2538.50	6142.05	6142.06	335.59	.85
Bottom Line CK.									
12540.00	87.95	343.35	6562.82	5654.12	-2557.10	6205.44	6205.47	335.66	1.02
Proj. to Bit									
12592.00	87.95	343.35	6564.68	5703.91	-2571.99	6256.92	6256.97	335.73	.00