

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: January 17, 2014
API #: 47-103-02573

REVISED
JK

Farm name: Weekley, Larry I. & Donna S. Operator Well No.: Weekley Unit 1 #1H

LOCATION: Elevation: 727' Quadrangle: Porters Falls

District: Green County: Wetzel
Latitude: 12,200 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude 8,000 Feet West of 80 Deg. 45 Min. 00 Sec.

Company: Stone Energy Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
6000 Hampton Center, Suite B Morgantown, WV 26505	20"	20'	20'	GTS
Agent: <u>Tim McGregor</u>	13.375"	699'	699'	732 - CTS
Inspector: <u>Derek Haught</u>	9.625"	2,085'	2,085'	810 - CTS
Date Permit Issued: <u>8/120/2010</u>	5.5"		10,400'	2,807
Date Well Work Commenced: <u>9/26/2010</u>	2.375"		6,745'	
Date Well Work Completed: <u>8/29/2012</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>6,429</u>				
Total Measured Depth (ft): <u>10,470</u>				
Fresh Water Depth (ft.): <u>60</u>				
Salt Water Depth (ft.): <u>1,758</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>577</u>				
Void(s) encountered (N/Y) Depth(s) <u>N/A</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,790' - 10,426'

Gas: Initial open flow 320 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 4,100 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 158 Hours

Static rock Pressure 1,745 psig (surface pressure) after 3 Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Derek Haught
Signature

1/17/2014
Date

03/07/2014

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list MWD Gamma Ray, Mud Log, and CBL

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforated 14 intervals from 10,426' to 6,790'. Performed 14 individual stages of slick water stimulation using 4,591,694 gals fresh water, Sand - 513,680 lbs 100 Mesh and 3,621,260 lbs 40/70. AvBDP = 6,577 psi, AvTP = 7,679 psi, AvMTP = 9,157 psi, AvInjRate = 75.8 bpm, and AvSIP = 4,753 psi.

See Attachment for FracFocus information.

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

See attached sheet for formations encountered and their depths.

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Stone Energy Corporation
 Weekley Unit 1 #1H (API # 47-103-02573)
 WR-35 Well Operator's Report of Well Work
 Formations Encountered

	Top			Bottom	
	TVD (ft)	MD (ft)		TVD (ft)	MD (ft)
Sandstone and shale	0		*	583	
Pittsburgh coal	577		*	581	
Sandstone and shale	581		*	1658	
Little Lime	1658		*	1678	
Limestone	1678		*	1808	
Big Injun sandstone	1808		*	1892	
Shale and sandstone	1892		*	2340	
Berea sandstone	2340		*	2360	
Shale	2360		*	2532	
Gordon Stray	2532		*	2557	
Shale	2557		*	5084	
Lower Alexander shale	5084		*	5196	
Shale	5196		*	5700	
Rhinestreet shale	5700	5700	*	6028	6040
Shale	6028	6040	~	6224	6270
Middlesex shale	6224	6270	~	6247	6302
West River shale	6247	6302	~	6329	6430
Geneseo shale	6329	6430	~	6342	6454
Tully limestone	6342	6454	~	6401	6603
Hamilton shale	6401	6603	~	6418	6666
Marcellus shale	6418	6666	~	6429	10470
TD	6429	10470			

* Formation tops were estimated based on the Willey #1 pilot hole (API # 47-103-02525).
 The Weekley Unit 1 #1H did not have a pilot hole.

~ Depths based on Gamma Log from MWD.

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	7/1/2012
State:	West Virginia
County/Parish:	Wetzel County
API Number:	4710302573
Operator Name:	Stone Energy
Well Name and Number:	Weekley 1H
Longitude:	-80.77828
Latitude:	39.59158
Long/Lat Projection:	NAD27
Production Type:	Gas
True Vertical Depth (TVD):	6429
Total Water Volume (gal)*:	4583968

Hydraulic Fracturing Fluid Composition

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
YF100, Slickwater	Schlumberger	Corrosion Inhibitor, Bactericide, Scale Inhibitor, Surfactant, Acid, Breaker, Gelling Agent, Friction Reducer, Iron Control Agent, Clay Control Agent, Fluid Loss Additive, Propping	Water (Including Mix Water Supplied by Client)*	-		90.07249%	
			Crystalline silica	14808-60-7	98.01597%	9.73055%	
			Hydrochloric acid	7647-01-0	1.25233%	0.12433%	
			Carbohydrate polymer	Proprietary	0.37978%	0.03770%	
			Ammonium sulfate	Proprietary	0.21229%	0.02108%	
			Polyethylene glycol monohexyl ether	31726-34-8	0.07178%	0.00713%	
			Glutaraldehyde	111-30-8	0.05627%	0.00559%	
			Diammonium peroxodisulphate	7727-54-0	0.02217%	0.00220%	
			Amine derivative	Proprietary	0.01431%	0.00142%	
			Calcium chloride	10043-52-4	0.01322%	0.00131%	
			Sodium erythorbate	6381-77-7	0.00621%	0.00062%	
			Trisodium ortho phosphate	7601-54-9	0.00600%	0.00060%	
			Ethane-1,2-diol	107-21-1	0.00600%	0.00060%	
			Methanol	67-56-1	0.00486%	0.00048%	
			Aliphatic acids	Proprietary	0.00364%	0.00036%	
			Aliphatic alcohols, ethoxylated #2	Proprietary	0.00364%	0.00036%	
			Prop-2-yn-1-ol	107-19-7	0.00121%	0.00012%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Report ID: RPT-8828 (Generated on 11/30/2012 10:28 AM)

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All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and WV Dept. of Environmental Protection

03/07/2014

Job Number: 23D1210152

State/Country: West Virginia

Company: Stone

Declination: []

Lease/Well: Weekley st al Unit 1 #1H

Grid: []

Location: Mary Prospect

File name: D:\WINSERVE\JOBS\WEEKLY.SVY

Rig Name: Saxon 141

Date/Time: 16-Dec-10 / 11:39

RKB: []

Curve Name: D:\WINSERVE\JOBS\WEEKLE~1.TXT

G.L. or M.S.L.: []

Scientific Drilling

WINSERVE PROPOSAL REPORT
Minimum Curvature Method
Vertical Section Plane 135.11
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	.68	181.60	108.00	-.64	-.02	.44	.64	.63
208.00	.50	158.05	207.99	-1.64	.13	1.25	1.64	.30
308.00	.32	129.19	307.99	-2.22	.51	1.93	2.28	.27
408.00	.28	230.20	407.99	-2.55	.54	2.19	2.61	.46
508.00	.36	202.11	507.99	-3.00	.23	2.29	3.01	.17
608.00	.34	209.59	607.99	-3.55	-.03	2.49	3.55	.05
708.00	.50	176.98	707.98	-4.24	-.16	2.89	4.25	.28
808.00	.94	145.98	807.98	-5.36	.32	4.03	5.37	.57
908.00	1.36	111.16	907.96	-6.47	1.89	5.92	6.74	.80
1008.00	.79	82.01	1007.94	-6.80	3.68	7.41	7.73	.77
1108.00	.24	120.80	1107.93	-6.81	4.54	8.03	8.19	.62
1208.00	.57	124.80	1207.93	-7.20	5.13	8.72	8.84	.33
1308.00	.60	88.99	1307.93	-7.48	6.06	9.58	9.63	.36
1408.00	.77	72.70	1407.92	-7.27	7.23	10.25	10.25	.26
1508.00	.36	39.81	1507.91	-6.83	8.07	10.53	10.57	.51
1608.00	.24	156.14	1607.91	-6.78	8.36	10.70	10.76	.51
1708.00	.43	164.38	1707.91	-7.33	8.54	11.22	11.26	.20
1808.00	.23	83.31	1807.91	-7.67	8.84	11.67	11.70	.46
1908.00	.42	175.78	1907.91	-8.01	9.07	12.07	12.10	.49
2008.00	.15	67.85	2007.91	-8.33	9.22	12.40	12.42	.49
2108.00	.25	261.00	2107.91	-8.31	9.12	12.33	12.34	.40
2208.00	.13	357.16	2207.91	-8.23	8.90	12.11	12.12	.29
2308.00	.39	180.86	2307.91	-8.46	8.89	12.27	12.27	.52
2408.00	.09	307.58	2407.91	-8.75	8.82	12.43	12.43	.45

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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	Distance FT	Dogleg Severity Deg/100
2508.00	.41	196.98	2507.91	-9.05	8.66	12.52	12.52	.45
2608.00	.17	91.41	2607.91	-9.39	8.70	12.79	12.80	.48
2708.00	.19	250.98	2707.91	-9.45	8.69	12.83	12.84	.35
2808.00	.35	178.83	2807.90	-9.81	8.54	12.98	13.01	.34
2908.00	.14	64.66	2907.90	-10.06	8.66	13.24	13.27	.43
3008.00	.10	350.11	3007.90	-9.92	8.75	13.21	13.23	.15
3108.00	.52	179.95	3107.90	-10.29	8.74	13.46	13.50	.62
3208.00	.37	152.87	3207.90	-11.03	8.89	14.09	14.17	.25
3308.00	.44	161.87	3307.90	-11.68	9.15	14.74	14.84	.09
3408.00	.47	189.84	3407.89	-12.45	9.20	15.32	15.48	.22
3508.00	.38	138.25	3507.89	-13.10	9.35	15.89	16.10	.38
3608.00	.48	199.89	3607.89	-13.75	9.43	16.39	16.67	.45
3708.00	.09	169.29	3707.89	-14.22	9.30	16.64	16.99	.41
3808.00	.37	128.08	3807.89	-14.49	9.57	17.02	17.37	.31
3908.00	.39	176.75	3907.88	-15.03	9.85	17.60	17.97	.31
4008.00	.62	103.80	4007.88	-15.50	10.39	18.31	18.66	.63
4108.00	.56	87.15	4107.88	-15.61	11.40	19.10	19.33	.18
4208.00	.62	97.39	4207.87	-15.65	12.43	19.86	19.99	.12
4308.00	.49	132.09	4307.87	-16.01	13.28	20.71	20.80	.35
4408.00	.54	112.25	4407.86	-16.47	14.04	21.58	21.64	.18
4508.00	.41	105.73	4507.86	-16.75	14.82	22.32	22.36	.14
4608.00	.36	110.65	4607.86	-16.96	15.45	22.92	22.94	.06
4708.00	.24	202.69	4707.86	-17.26	15.67	23.29	23.31	.44
4808.00	.45	181.22	4807.85	-17.85	15.58	23.64	23.69	.24
4908.00	.41	114.23	4907.85	-18.39	15.90	24.24	24.30	.48
5008.00	.28	74.68	5007.85	-18.47	16.46	24.70	24.74	.26
5108.00	.36	98.47	5107.85	-18.45	17.00	25.07	25.09	.15
5208.00	.07	71.81	5207.85	-18.48	17.37	25.35	25.36	.30
5308.00	.14	198.81	5307.85	-18.57	17.39	25.43	25.44	.19
5408.00	.14	221.43	5407.85	-18.78	17.27	25.49	25.52	.05
5508.00	.32	199.84	5507.85	-19.13	17.10	25.62	25.66	.20
5608.00	.45	128.44	5607.85	-19.64	17.31	26.13	26.18	.46
5634.00	.30	147.51	5633.84	-19.76	17.43	26.30	26.35	.74
5666.00	.40	152.01	5665.84	-19.93	17.52	26.49	26.54	.32
5697.00	1.90	122.01	5696.84	-20.30	18.01	27.09	27.14	5.05
5729.00	4.80	119.21	5728.78	-21.23	19.63	28.90	28.92	9.07
5760.00	7.90	123.81	5759.59	-23.05	22.53	32.23	32.24	10.13
5791.00	9.20	131.11	5790.24	-25.87	26.17	36.80	36.80	5.45
5823.00	10.50	133.31	5821.77	-29.55	30.22	42.26	42.27	4.23
5855.00	11.90	130.71	5853.16	-33.70	34.84	48.47	48.47	4.65
5886.00	14.20	127.51	5883.36	-38.10	40.28	55.42	55.45	7.77
5917.00	16.70	129.01	5913.23	-43.22	46.76	63.62	63.68	8.17
5948.00	19.30	129.51	5942.71	-49.28	54.18	73.15	73.24	8.40
5980.00	20.90	129.71	5972.76	-56.30	62.65	84.10	84.23	5.00
6011.00	21.90	128.91	6001.63	-63.46	71.40	95.35	95.53	3.36

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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	Distance FT	Dogleg Severity Deg/100
6043.00	23.30	130.21	6031.17	-71.29	80.88	107.59	107.81	4.64
6074.00	25.30	130.81	6059.42	-79.58	90.58	120.30	120.57	6.50
6105.00	27.30	131.61	6087.21	-88.63	100.91	134.01	134.30	6.55
6127.00	28.59	133.88	6106.65	-95.63	108.47	144.31	144.61	7.60
6190.00	33.83	137.60	6160.51	-119.05	131.18	176.92	177.15	8.86
6254.00	39.63	140.39	6211.79	-147.95	156.23	215.08	215.17	9.43
6317.00	45.62	139.62	6258.12	-180.61	183.65	257.57	257.58	9.54
6381.00	51.65	138.10	6300.40	-216.75	215.26	305.48	305.48	9.59
6413.00	55.00	138.05	6319.51	-235.84	232.40	331.10	331.11	10.47
6445.00	58.56	137.94	6337.04	-255.73	250.32	357.84	357.85	11.13
6477.00	61.26	138.19	6353.08	-276.33	268.82	385.48	385.51	8.46
6509.00	64.07	137.15	6367.77	-297.34	287.96	413.88	413.92	9.24
6540.00	67.06	136.75	6380.60	-317.96	307.23	442.08	442.14	9.72
6572.00	71.43	136.05	6391.93	-339.62	327.86	471.99	472.05	13.81
6604.00	74.25	136.45	6401.37	-361.70	349.00	502.56	502.62	8.89
6636.00	74.60	136.63	6409.97	-384.08	370.20	533.37	533.45	1.22
6668.00	76.55	136.25	6417.94	-406.54	391.56	564.36	564.44	6.20
6699.00	78.89	137.07	6424.53	-428.56	412.34	594.63	594.72	7.98
6731.00	79.80	136.74	6430.45	-451.53	433.83	626.07	626.17	3.02
6763.00	81.50	136.70	6435.65	-474.51	455.48	657.63	657.74	5.31
6795.00	83.46	136.55	6439.83	-497.57	477.26	689.34	689.46	6.14
6826.00	84.51	136.45	6443.08	-519.94	498.48	720.16	720.29	3.40
6858.00	86.19	136.72	6445.68	-543.10	520.40	752.04	752.18	5.32
6890.00	89.66	136.57	6446.83	-566.35	542.35	784.00	784.16	10.85
6954.00	93.74	137.10	6444.94	-613.00	586.11	847.93	848.11	6.43
7017.00	93.97	136.38	6440.70	-658.78	629.18	910.76	910.97	1.20
7081.00	93.94	133.95	6436.29	-704.05	674.20	974.61	974.80	3.79
7145.00	92.79	134.15	6432.53	-748.47	720.12	1038.48	1038.64	1.82
7208.00	91.61	133.48	6430.11	-792.06	765.54	1101.42	1101.55	2.15
7272.00	90.84	133.47	6428.74	-836.08	811.97	1165.38	1165.47	1.20
7336.00	90.67	133.90	6427.90	-880.28	858.25	1229.35	1229.43	.72
7399.00	90.71	133.35	6427.14	-923.74	903.85	1292.33	1292.38	.88
7463.00	90.87	133.79	6426.26	-967.85	950.22	1356.30	1356.33	.73
7526.00	90.84	134.57	6425.32	-1011.75	995.39	1419.28	1419.31	1.24
7589.00	89.66	134.20	6425.04	-1055.82	1040.41	1482.28	1482.30	1.96
7653.00	89.73	134.41	6425.38	-1100.52	1086.21	1546.27	1546.29	.35
7717.00	90.07	134.51	6425.50	-1145.34	1131.89	1610.26	1610.28	.55
7780.00	90.44	134.69	6425.21	-1189.58	1176.75	1673.26	1673.27	.65
7844.00	90.71	135.22	6424.57	-1234.80	1222.04	1737.26	1737.27	.93
7907.00	89.50	134.26	6424.46	-1279.14	1266.79	1800.25	1800.26	2.45
7971.00	89.19	134.22	6425.19	-1323.79	1312.63	1864.24	1864.25	.49
8034.00	89.33	134.99	6426.00	-1368.02	1357.48	1927.23	1927.24	1.24
8098.00	89.26	134.12	6426.79	-1412.92	1403.08	1991.23	1991.23	1.36
8161.00	89.26	134.08	6427.60	-1456.76	1448.32	2054.21	2054.21	.06
8225.00	89.90	135.21	6428.07	-1501.73	1493.86	2118.21	2118.21	2.03

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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	Distance FT	Dogleg Severity Deg/100
8288.00	90.34	135.50	6427.94	-1546.55	1538.13	2181.20	2181.21	.84
8352.00	90.67	135.23	6427.38	-1592.09	1583.09	2245.20	2245.20	.67
8416.00	90.71	135.30	6426.61	-1637.55	1628.13	2309.20	2309.20	.13
8479.00	89.80	135.51	6426.33	-1682.41	1672.36	2372.19	2372.20	1.48
8542.00	89.80	136.90	6426.55	-1727.89	1715.96	2435.18	2435.18	2.21
8606.00	90.03	137.70	6426.64	-1774.92	1759.36	2499.13	2499.14	1.30
8669.00	90.24	137.44	6426.49	-1821.42	1801.87	2562.08	2562.09	.53
8732.00	89.83	136.36	6426.45	-1867.42	1844.91	2625.04	2625.07	1.83
8796.00	89.80	134.77	6426.66	-1913.12	1889.72	2689.04	2689.06	2.48
8860.00	89.50	133.82	6427.05	-1957.81	1935.53	2753.03	2753.05	1.56
8923.00	89.29	134.51	6427.72	-2001.70	1980.72	2816.02	2816.03	1.14
8987.00	89.26	134.32	6428.53	-2046.49	2026.43	2880.01	2880.02	.30
9050.00	89.46	134.39	6429.23	-2090.53	2071.47	2943.00	2943.01	.34
9113.00	89.66	134.04	6429.71	-2134.46	2116.62	3005.99	3006.00	.64
9176.00	89.53	134.63	6430.16	-2178.49	2161.68	3068.98	3068.99	.96
9240.00	89.70	134.23	6430.59	-2223.29	2207.38	3132.98	3132.98	.68
9303.00	89.63	134.48	6430.96	-2267.33	2252.43	3195.97	3195.97	.41
9367.00	89.56	135.00	6431.41	-2312.38	2297.89	3259.97	3259.97	.82
9430.00	89.66	134.76	6431.84	-2356.83	2342.53	3322.96	3322.97	.41
9494.00	89.53	135.29	6432.29	-2402.11	2387.76	3386.96	3386.96	.85
9558.00	89.63	135.38	6432.76	-2447.62	2432.75	3450.96	3450.96	.21
9622.00	89.90	135.82	6433.02	-2493.35	2477.53	3514.96	3514.96	.81
9685.00	89.90	135.68	6433.13	-2538.48	2521.49	3577.95	3577.96	.22
9749.00	89.90	136.11	6433.24	-2584.43	2566.03	3641.95	3641.95	.67
9812.00	90.07	136.25	6433.26	-2629.89	2609.65	3704.94	3704.94	.35
9876.00	89.97	136.80	6433.24	-2676.33	2653.69	3768.92	3768.93	.87
9939.00	89.70	136.46	6433.42	-2722.13	2696.95	3831.89	3831.91	.69
10002.00	90.17	136.00	6433.49	-2767.62	2740.53	3894.88	3894.90	1.04
10066.00	89.97	136.62	6433.41	-2813.90	2784.74	3958.87	3958.89	1.02
10130.00	89.80	136.47	6433.54	-2860.36	2828.76	4022.85	4022.87	.35
10193.00	90.74	136.37	6433.24	-2905.99	2872.18	4085.83	4085.86	1.50
10256.00	91.21	136.37	6432.17	-2951.59	2915.65	4148.80	4148.84	.75
10320.00	91.38	136.24	6430.73	-2997.85	2959.85	4212.77	4212.81	.33
10383.00	90.71	136.51	6429.58	-3043.45	3003.31	4275.75	4275.79	1.15
Projection To TD								
10470.00	90.71	136.51	6428.50	-3106.56	3063.18	4362.71	4362.77	.00

Received

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 WV Dept. of Environmental Protection
 03/07/2014