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: October 30, 2013
API #: 47-103-02689

REVISED FOR COMPLETION

Farm name: Weekley, Larry I. & Donna S. Operator Well No.: Weekley #2H

LOCATION: Elevation: 727' Quadrangle: Porters Falls

District: Green County: Wetzel
Latitude: 12,200 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude 8,020 Feet West of 80 Deg. 45 Min. 00 Sec.

Company: Stone Energy Corporation

Address: 6000 Hampton Center, Suite B	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Morgantown, WV 26505	20"	75'	75'	GTS
Agent: Tim McGregor	13.375"	665'	665'	689 - CTS
Inspector: Derek Haught	9.625"	2,190'	2,190'	945 - CTS
Date Permit Issued: 8/10/2011	5.5"		10,298'	2,411
Date Well Work Commenced: 11/28/2011	2.375"		6,944'	
Date Well Work Completed: 8/22/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6,448				
Total Measured Depth (ft): 10,317				
Fresh Water Depth (ft.): 80				
Salt Water Depth (ft.): 1,409				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 578				
Void(s) encountered (N/Y) Depth(s) N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,970' to 10,276'
Gas: Initial open flow 410 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 4,680 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 165 Hours
Static rock Pressure 1,803 psig (surface pressure) after 1 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.

W. [illegible]
Signature

10/30/2013
Date

02/10/2014

103-02689

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes X 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 13 intervals from 10,276' to 6,970'. Performed 13 individual stages of slick water stimulation using 4,500,425 gals fresh water, Sand - 533,011 lbs 100 Mesh and 4,548,824 lbs 40/70. AvBDP = 6,534 psi, AvTP = 7,149 psi, AvMTP = 9,017 psi, AvInjRate = 81.2 bpm, and AvISIP = 4,482 psi.

See Attachment for FracFocus information.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: Surface: Top Depth / Bottom Depth

See attached sheet for formations encountered and their depths.

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103-02689

WEEKLEY #2H
API 47-103-02689
Stone Energy Corporation
Horizontal

	Top (ft TVD)	Top (ft MD)		Bottom (ft TVD)	Bottom (ft MD)	
Sandstone & Shale	Surface		*	578		FW @ 80'
Pittsburgh Coal	578		*	582		
Sandstone & Shale	582		*	1992		SW @ 1409'
Little Lime	1680		*	1710		
Big Lime	1710		*	1810		
Big Injun	1810		*	1868		
Sandstone & Shale	1686		*	2340		
Berea sandstone	2340		*	2351		
Shale	2351		*	2538		
Gordon	2538		*	2543		
Undiff Devonian Shale	2543		*	5698	5704	
Rhinestreet	5698	5704	~	6100	6163	
Cashaqua	6100	6163	~	6230	6355	
Middlesex	6230	6355	~	6248	6385	
West River	6248	6385	~	6317	6513	
Geneseo	6317	6513	~	6341	6567	
Tully limestone	6341	6567	~	6372	6644	
Hamilton	6372	6644	~	6413	6784	
Marcellus	6413	6784	~	6448	10317	
TD	6448	10317				

* From Pilot Hole Log and Driller's Log
~ From MWD Gamma Log

Hydraulic Fracturing Fluid Product Component Information Disclosure

103.02689

Fracture Date:	7/1/2012
State:	West Virginia
County/Parish:	Wetzel County
API Number:	4710302689
Operator Name:	Stone Energy
Well Name and Number:	Weekley 2H
Longitude:	-80.77834
Latitude:	39.59159
Long/Lat Projection:	NAD27
Production Type:	Gas
True Vertical Depth (TVD):	6448
Total Water Volume (gal)*:	4500425

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)*	-		87.09800%	
			Crystalline silica	14808-60-7	98.65500%	12.72847%	
			Hydrochloric acid	7647-01-0	0.71409%	0.09213%	
			Carbohydrate polymer	Proprietary	0.33669%	0.04344%	
			Ammonium sulfate	Proprietary	0.18271%	0.02357%	
			Polyethylene glycol monohexyl ether	31726-34-8	0.06018%	0.00776%	
			Glutaraldehyde	111-30-8	0.04764%	0.00615%	
			Diammonium peroxidisulphate	7727-54-0	0.02174%	0.00281%	
			Calcium chloride	10043-52-4	0.01075%	0.00139%	
			Amine derivative	Proprietary	0.01035%	0.00134%	
			Trisodium ortho phosphate	7601-54-9	0.00517%	0.00067%	
			Ethane-1,2-diol	107-21-1	0.00517%	0.00067%	
			Sodium erythorbate	6381-77-7	0.00359%	0.00046%	
			Methanol	67-56-1	0.00273%	0.00035%	
			Aliphatic acids	Proprietary	0.00205%	0.00026%	
			Aliphatic alcohols, ethoxylated #2	Proprietary	0.00205%	0.00026%	
			Prop-2-yn-1-ol	107-19-7	0.00068%	0.00009%	

* 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-8824 (Generated on 11/30/2012 10:26 AM)

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 Appendix D.

103-02689

Scientific Drilling

SDI
Survey Report

STONE ENERGY

Company:	Stone Energy	**Local Co-ordinate Reference:**	Well Weekley et al Unit 1 #2H - Slot W#2H
Project:	Mary Prospect	**TVD Reference:**	Saxon 141 @ 745.0usft (18' RKB + 727' GL)
Site:	Weekley Pad	**MD Reference:**	Saxon 141 @ 745.0usft (18' RKB + 727' GL)
Well:	Weekley et al Unit 1 #2H	**North Reference:**	Grid
Wellbore:	Original Well	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	EDM-Chris Testa

Project Mary Prospect, West Virginia

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	West Virginia North 4701		

Site Weekley Pad

Site Position:		**Northing:**	400,129.69 usft	**Latitude:**	39° 35' 29.589 N
From:	Map	**Easting:**	1,639,770.43 usft	**Longitude:**	80° 46' 41.837 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0.82 °

Well Weekley et al Unit 1 #2H - Slot W#2H

Well Position	**+N/-S**	0.0 usft	**Northing:**	400,142.40 usft	**Latitude:**	39° 35' 29.712 N
	+E/-W	0.0 usft	**Easting:**	1,639,754.98 usft	**Longitude:**	80° 46' 42.036 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	727.0 usft

Wellbore Original Well

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	03/01/12	-8.45	67.26	52,731

Design As Drilled

Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	151.32

Survey Program Date 03/23/12

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	5,183.0	SDI Keeper Gyro (Original Well)	SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3
5,237.0	10,317.0	SDI MWD (Original Well)	MWD SDI	MWD - Standard ver 1.0.1

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.21	72.21	100.0	0.1	0.2	0.0	0.21	0.21	0.00
200.0	0.21	78.95	200.0	0.1	0.5	0.1	0.02	0.00	6.74
300.0	0.08	92.93	300.0	0.2	0.8	0.2	0.13	-0.13	13.98
400.0	0.06	115.19	400.0	0.2	0.9	0.3	0.03	-0.02	22.26
500.0	0.04	113.13	500.0	0.1	1.0	0.4	0.02	-0.02	-2.06
600.0	0.08	130.01	600.0	0.1	1.1	0.5	0.04	0.04	16.88
700.0	0.14	108.44	700.0	0.0	1.2	0.6	0.07	0.06	-21.57
800.0	0.45	101.65	800.0	-0.1	1.7	1.0	0.31	0.31	-6.79
900.0	0.49	94.96	900.0	-0.3	2.5	1.4	0.07	0.04	-6.69

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Well:	Weekley et al Unit 1 #2H	**North Reference:**	Grid
Wellbore:	Original Well	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	EDM-Chris Testa

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.0	0.24	101.39	1,000.0	-0.3	3.2	1.8	0.25	-0.25	6.43
1,100.0	0.51	97.66	1,100.0	-0.4	3.8	2.2	0.27	0.27	-3.73
1,200.0	0.45	104.87	1,200.0	-0.6	4.6	2.8	0.09	-0.06	7.21
1,300.0	0.44	108.63	1,300.0	-0.8	5.4	3.3	0.03	-0.01	3.76
1,400.0	0.48	108.68	1,400.0	-1.1	6.1	3.9	0.04	0.04	0.05
1,500.0	0.36	119.74	1,500.0	-1.4	6.8	4.5	0.14	-0.12	11.06
1,600.0	0.51	172.25	1,600.0	-2.0	7.1	5.2	0.41	0.15	52.51
1,700.0	0.43	165.34	1,700.0	-2.8	7.3	5.9	0.10	-0.08	-6.91
1,800.0	0.35	182.37	1,800.0	-3.4	7.4	6.6	0.14	-0.08	17.03
1,900.0	0.36	180.81	1,900.0	-4.1	7.4	7.1	0.01	0.01	-1.56
2,000.0	0.07	234.81	2,000.0	-4.4	7.3	7.4	0.32	-0.29	54.00
2,100.0	0.09	176.45	2,100.0	-4.5	7.3	7.5	0.08	0.02	-58.36
2,200.0	0.11	211.35	2,200.0	-4.7	7.2	7.6	0.06	0.02	34.90
2,300.0	0.73	185.44	2,300.0	-5.4	7.1	8.1	0.63	0.62	-25.91
2,400.0	1.82	198.83	2,399.9	-7.5	6.5	9.7	1.12	1.09	13.39
2,500.0	3.33	201.57	2,499.8	-11.7	5.0	12.7	1.51	1.51	2.74
2,600.0	4.44	208.00	2,599.6	-17.9	2.1	16.7	1.19	1.11	6.43
2,700.0	5.20	217.02	2,699.2	-24.9	-2.5	20.7	1.07	0.76	9.02
2,800.0	4.83	212.47	2,798.9	-32.1	-7.5	24.5	0.54	-0.37	-4.55
2,900.0	4.68	209.92	2,898.5	-39.2	-11.8	28.7	0.26	-0.15	-2.55
3,000.0	4.95	209.56	2,998.2	-46.4	-15.9	33.1	0.27	0.27	-0.36
3,100.0	4.91	209.93	3,097.8	-53.9	-20.2	37.6	0.05	-0.04	0.37
3,200.0	4.13	209.25	3,197.5	-60.8	-24.1	41.7	0.78	-0.78	-0.68
3,300.0	3.67	206.93	3,297.3	-66.7	-27.3	45.5	0.49	-0.46	-2.32
3,400.0	2.82	206.30	3,397.1	-71.8	-29.8	48.7	0.85	-0.85	-0.63
3,500.0	1.90	193.97	3,497.0	-75.6	-31.3	51.3	1.05	-0.92	-12.33
3,600.0	1.11	177.60	3,597.0	-78.2	-31.7	53.4	0.89	-0.79	-16.37
3,700.0	0.77	169.88	3,697.0	-79.8	-31.5	54.9	0.36	-0.34	-7.72
3,800.0	0.37	150.53	3,797.0	-80.8	-31.2	55.9	0.44	-0.40	-19.35
3,900.0	0.43	141.38	3,897.0	-81.3	-30.8	56.6	0.09	0.06	-9.15
4,000.0	0.43	128.26	3,997.0	-81.9	-30.3	57.3	0.10	0.00	-13.12
4,100.0	0.44	129.15	4,096.9	-82.3	-29.7	58.0	0.01	0.01	0.89
4,200.0	0.27	172.30	4,196.9	-82.8	-29.4	58.5	0.31	-0.17	43.15
4,300.0	0.20	296.78	4,296.9	-83.0	-29.5	58.6	0.42	-0.07	124.48
4,400.0	0.28	296.50	4,396.9	-82.8	-29.9	58.3	0.08	0.08	-0.28
4,500.0	0.23	316.83	4,496.9	-82.5	-30.3	57.9	0.10	-0.05	20.33
4,600.0	0.30	320.25	4,596.9	-82.2	-30.6	57.4	0.07	0.07	3.42
4,700.0	0.27	303.11	4,696.9	-81.9	-30.9	57.0	0.09	-0.03	-17.14
4,800.0	0.14	316.72	4,796.9	-81.6	-31.2	56.6	0.14	-0.13	13.61
4,900.0	0.19	338.56	4,896.9	-81.4	-31.3	56.4	0.08	0.05	21.84
5,000.0	0.34	341.17	4,996.9	-81.0	-31.5	55.9	0.15	0.15	2.61
5,100.0	0.30	325.66	5,096.9	-80.4	-31.8	55.3	0.10	-0.04	-15.51
5,200.0	0.55	335.88	5,196.9	-79.7	-32.1	54.6	0.26	0.25	10.21

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Survey

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5,300.0	0.29	3.18	5,296.9	-79.0	-32.4	53.8	0.33	-0.27	27.30
5,400.0	0.12	42.05	5,396.9	-78.7	-32.7	53.3	0.21	-0.17	38.87
5,500.0	5.68	157.30	5,496.8	-82.5	-30.7	57.6	5.73	5.57	115.25
5,600.0	8.90	163.03	5,596.0	-94.2	-26.3	70.0	3.29	3.22	5.73
5,700.0	14.78	171.98	5,693.6	-115.3	-22.3	90.4	6.14	5.88	8.95
5,800.0	19.49	176.12	5,789.4	-143.6	-19.3	116.8	4.87	4.71	4.14
5,900.0	25.17	179.31	5,881.8	-181.7	-17.8	150.9	5.80	5.67	3.19
6,000.0	30.76	178.54	5,970.2	-228.4	-17.2	192.1	5.61	5.60	-0.77
6,100.0	37.26	178.59	6,053.2	-284.0	-15.5	241.8	6.50	6.50	0.05
6,200.0	44.07	180.28	6,129.2	-349.0	-14.9	299.0	6.90	6.81	1.68
6,300.0	50.31	179.77	6,197.1	-422.3	-15.1	363.2	6.26	6.25	-0.51
6,400.0	55.53	179.84	6,256.8	-502.5	-15.0	433.6	5.21	5.21	0.07
6,500.0	60.22	176.60	6,310.5	-586.7	-13.0	508.5	5.44	4.69	-3.24
6,600.0	65.54	169.47	6,356.0	-674.9	-1.5	591.4	8.28	5.32	-7.13
6,700.0	72.41	164.16	6,391.8	-765.8	19.6	681.2	8.47	6.88	-5.31
6,800.0	77.86	159.01	6,417.2	-857.4	50.3	776.4	7.37	5.44	-5.14
6,900.0	82.86	153.92	6,434.3	-948.0	88.9	874.4	7.09	5.01	-5.10
7,000.0	85.69	147.91	6,443.7	-1,034.9	137.5	973.9	6.61	2.83	-6.00
7,100.0	88.69	145.44	6,448.4	-1,118.0	192.8	1,073.4	3.88	2.99	-2.48
7,200.0	90.74	143.54	6,449.1	-1,199.6	250.6	1,172.7	2.79	2.05	-1.90
7,300.0	91.58	143.17	6,447.1	-1,279.9	310.2	1,271.7	0.91	0.84	-0.37
7,400.0	92.10	142.25	6,443.7	-1,359.4	370.7	1,370.5	1.06	0.53	-0.92
7,500.0	91.02	141.30	6,441.2	-1,437.9	432.6	1,469.1	1.45	-1.09	-0.96
7,600.0	90.84	141.42	6,439.6	-1,515.7	495.4	1,567.5	0.21	-0.17	0.12
7,700.0	90.59	143.22	6,438.4	-1,595.0	556.3	1,666.3	1.82	-0.26	1.80
7,800.0	90.32	143.96	6,437.5	-1,675.5	615.7	1,765.4	0.78	-0.27	0.73
7,900.0	89.33	144.99	6,437.8	-1,756.9	673.7	1,864.7	1.43	-0.99	1.03
8,000.0	89.47	145.52	6,439.0	-1,838.8	731.1	1,964.1	0.54	0.14	0.53
8,100.0	90.10	146.99	6,439.3	-1,922.0	786.5	2,063.7	1.60	0.63	1.48
8,200.0	90.21	148.41	6,439.0	-2,006.5	840.1	2,163.5	1.42	0.11	1.42
8,300.0	90.75	149.25	6,438.2	-2,092.1	891.6	2,263.4	1.00	0.54	0.84
8,400.0	91.17	148.78	6,436.7	-2,178.0	942.9	2,363.3	0.63	0.41	-0.48
8,500.0	90.59	146.77	6,435.2	-2,262.3	996.6	2,463.1	2.09	-0.58	-2.01
8,600.0	90.10	146.29	6,434.4	-2,345.9	1,051.6	2,562.7	0.68	-0.49	-0.48
8,700.0	89.95	144.92	6,434.6	-2,428.4	1,108.0	2,662.2	1.38	-0.15	-1.37
8,800.0	89.79	144.30	6,434.7	-2,509.8	1,166.1	2,761.5	0.64	-0.17	-0.62
8,900.0	89.15	143.89	6,435.2	-2,590.8	1,224.7	2,860.7	0.76	-0.64	-0.41
9,000.0	88.18	143.68	6,437.8	-2,671.5	1,283.7	2,959.8	0.99	-0.97	-0.22
9,100.0	88.96	142.72	6,440.4	-2,751.4	1,343.8	3,058.8	1.23	0.78	-0.95
9,200.0	89.56	141.80	6,441.7	-2,830.5	1,405.0	3,157.5	1.10	0.60	-0.92
9,300.0	90.23	141.21	6,441.9	-2,908.8	1,467.2	3,256.1	0.90	0.67	-0.60
9,400.0	91.47	141.70	6,440.3	-2,986.7	1,529.8	3,354.5	1.34	1.24	0.49
9,500.0	91.06	142.99	6,437.7	-3,065.9	1,590.8	3,453.2	1.35	-0.41	1.30

Company:	Stone Energy	**Local Co-ordinate Reference:**	Well Weekley et al Unit 1 #2H - Slot W#2H
Project:	Mary Prospect	**TVD Reference:**	Saxon 141 @ 745.0usft (18' RKB + 727' GL)
Site:	Weekley Pad	**MD Reference:**	Saxon 141 @ 745.0usft (18' RKB + 727' GL)
Well:	Weekley et al Unit 1 #2H	**North Reference:**	Grid
Wellbore:	Original Well	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	EDM-Chris Testa

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,600.0	89.33	144.99	6,437.2	-3,146.8	1,649.7	3,552.4	2.64	-1.73	2.00
9,700.0	88.26	145.14	6,439.8	-3,228.8	1,706.7	3,651.8	1.09	-1.07	0.15
9,800.0	89.39	146.10	6,441.7	-3,311.3	1,763.2	3,751.3	1.49	1.13	0.96
9,900.0	89.34	147.74	6,442.7	-3,395.2	1,817.7	3,851.0	1.64	-0.05	1.64
10,000.0	88.19	147.64	6,444.6	-3,479.9	1,870.9	3,950.8	1.16	-1.15	-0.10
10,100.0	89.49	147.51	6,446.6	-3,564.1	1,924.7	4,050.5	1.30	1.30	-0.13
10,200.0	89.71	148.34	6,447.0	-3,648.8	1,977.8	4,150.4	0.86	0.22	0.83
10,300.0	89.26	148.11	6,448.1	-3,733.8	2,030.5	4,250.2	0.50	-0.45	-0.23
10,317.0	89.26	148.11	6,448.3	-3,748.2	2,039.5	4,267.2	0.00	0.00	0.00

01/10/2014