

Deviation Summary

PICEANCE HL

1 General

1.1 Customer Information

Company	PICEANCE HL
Representative	Eric Kolstad
Address	1515 Arapahoe St., Suite 1000 Denver, CO 80202

1.2 Well/Wellbore Information

Well	RGU 431-27-198	Wellbore No.	OH
Wellbore Legal Name	RGU 431-27-198	Common Wellbore Name	RGU 431-27-198
Project	RG 27-01S-098W	Site	RGU 22-27-198 Pad
Vertical Section Azimuth	46.72 (°)	North reference	
Origin N/S		Origin E/W	
Spud date	7/30/2013	UWI	RGU 431-27-198
Active datum	KB @6,581.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	SDI
Date Started	7/30/2013	Ended	
Tool Name	MWD	Engineer	

2.1.1 Tie On Point

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.0	0.00	0.00	0.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. sec. (ft)	DLS (°/100usft)	Build Rate (°/100usft)	Turn (°/100usft)	Tface (°)
7/30/2013	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2013	NORMAL	236.0	2.81	41.60	235.91	4.33	3.84	5.76	1.19	1.19	0.00	41.60
	NORMAL	328.0	4.57	38.79	327.71	8.87	7.64	11.64	1.92	1.91	-3.05	352.73
	NORMAL	420.0	5.99	43.26	419.32	15.22	13.22	20.06	1.61	1.54	4.86	18.39
7/31/2013	NORMAL	512.0	6.68	48.72	510.76	22.25	20.53	30.20	0.99	0.75	5.93	43.86
	NORMAL	605.0	7.12	48.28	603.08	29.65	28.90	41.37	0.48	0.47	-0.47	352.93
	NORMAL	697.0	7.12	48.19	694.38	37.25	37.40	52.77	0.01	0.00	-0.10	269.96
	NORMAL	789.0	6.95	45.99	785.68	44.92	45.66	64.03	0.35	-0.18	-2.39	236.66
	NORMAL	881.0	6.86	47.66	877.02	52.49	53.72	75.09	0.24	-0.10	1.82	114.97
	NORMAL	973.0	7.12	45.91	968.33	60.15	61.88	86.29	0.37	0.28	-1.90	319.81
	NORMAL	1,068.0	7.03	46.52	1,062.61	68.25	70.33	97.99	0.12	-0.09	0.64	140.45
	NORMAL	1,162.0	5.80	44.50	1,156.02	75.60	77.83	108.49	1.33	-1.31	-2.15	189.40
	NORMAL	1,258.0	6.07	40.46	1,251.51	82.92	84.52	118.38	0.52	0.28	-4.21	300.86
	NORMAL	1,352.0	5.54	38.43	1,345.02	90.25	90.57	127.81	0.60	-0.56	-2.16	200.17
	NORMAL	1,447.0	5.54	44.85	1,439.58	97.10	96.65	136.93	0.65	0.00	6.76	93.20
	NORMAL	1,542.0	6.42	46.08	1,534.06	104.03	103.71	146.83	0.94	0.93	1.29	8.90
	NORMAL	1,636.0	5.98	43.71	1,627.51	111.22	110.88	156.97	0.54	-0.47	-2.52	209.01
	NORMAL	1,731.0	7.03	47.84	1,721.90	118.70	118.61	167.72	1.21	1.11	4.35	26.08
	NORMAL	1,826.0	7.03	51.44	1,816.19	126.22	127.47	179.33	0.46	0.00	3.79	91.79
8/1/2013	NORMAL	1,921.0	7.30	50.65	1,910.45	133.67	136.68	191.15	0.30	0.28	-0.83	339.56
	NORMAL	2,015.0	6.68	51.35	2,003.75	140.87	145.57	202.55	0.67	-0.66	0.74	172.52

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc. (")	Azi. (")	TVD (ft)	N/S (ft)	E/W (ft)	V. sec. (ft)	DLS (%/100usft)	Build Rate (%/100usft)	Turn (%/100usft)	Trace (")
8/1/2013	NORMAL	2,110.0	7.03	51.09	2,098.07	147.98	154.41	213.86	0.37	0.37	-0.27	354.80
	NORMAL	2,205.0	6.68	55.57	2,192.39	154.75	163.49	225.11	0.67	-0.37	4.72	125.42
	NORMAL	2,299.0	6.51	53.02	2,285.77	161.05	172.25	235.81	0.36	-0.18	-2.71	238.60
	NORMAL	2,394.0	6.42	55.49	2,380.16	167.30	180.93	246.41	0.31	-0.09	2.60	109.16
	NORMAL	2,489.0	5.80	47.93	2,474.63	173.52	188.87	256.46	1.07	-0.65	-7.96	228.67
	NORMAL	2,583.0	5.98	46.70	2,568.13	180.06	195.96	266.11	0.23	0.19	-1.31	324.35
	NORMAL	2,678.0	6.16	50.04	2,662.60	186.73	203.47	276.15	0.42	0.19	3.52	64.66
	NORMAL	2,773.0	5.63	52.06	2,757.09	192.87	211.05	285.87	0.60	-0.56	2.13	159.63
	NORMAL	2,868.0	5.63	40.54	2,851.64	199.28	217.76	295.15	1.19	0.00	-12.13	264.27
	NORMAL	2,963.0	4.57	37.56	2,946.26	205.82	223.09	303.52	1.15	-1.12	-3.14	192.55
	NORMAL	3,058.0	5.36	41.25	3,040.91	212.15	228.33	311.67	0.90	0.83	3.88	23.86
	NORMAL	3,152.0	6.24	38.00	3,134.42	219.48	234.37	321.09	1.00	0.94	-3.46	337.91
	NORMAL	3,247.0	7.56	40.19	3,228.73	228.32	241.58	332.40	1.42	1.39	2.31	12.36
	NORMAL	3,341.0	8.88	47.66	3,321.77	237.94	250.93	345.80	1.80	1.40	7.95	42.71
8/2/2013	NORMAL	3,436.0	9.06	45.20	3,415.61	248.14	261.66	360.61	0.45	0.19	-2.59	293.92
	NORMAL	3,531.0	9.67	45.82	3,509.34	258.98	272.69	376.06	0.65	0.64	0.65	9.70
	NORMAL	3,626.0	8.44	42.57	3,603.16	269.67	283.13	391.00	1.40	-1.29	-3.42	200.98
9/3/2013	NORMAL	3,721.0	7.91	38.87	3,697.19	279.89	291.95	404.43	0.79	-0.56	-3.89	222.97
	NORMAL	3,833.0	6.95	38.38	3,808.25	291.21	300.99	418.76	0.86	-0.86	-0.44	183.53
	NORMAL	3,928.0	6.80	33.74	3,902.57	300.39	307.68	429.93	0.61	-0.16	-4.88	252.59
	NORMAL	4,022.0	10.57	37.10	3,995.47	311.90	315.98	443.86	4.05	4.01	3.57	9.33
	NORMAL	4,117.0	13.08	42.47	4,088.45	326.78	328.49	463.18	2.88	2.64	5.65	26.32
	NORMAL	4,212.0	16.67	46.72	4,180.26	344.06	345.68	487.53	3.95	3.78	4.47	18.97
	NORMAL	4,306.0	19.71	47.16	4,269.55	364.08	367.12	516.87	3.24	3.23	0.47	2.80
	NORMAL	4,401.0	22.45	47.92	4,358.19	387.14	392.33	551.03	2.90	2.88	0.80	6.05
	NORMAL	4,496.0	21.01	48.48	4,446.43	410.58	418.55	586.19	1.53	-1.52	0.59	172.07
	NORMAL	4,590.0	19.82	45.56	4,534.53	432.91	442.55	618.97	1.67	-1.27	-3.11	219.20
	NORMAL	4,685.0	22.58	46.01	4,623.09	456.86	467.17	653.31	2.91	2.91	0.47	3.58
	NORMAL	4,780.0	21.17	46.52	4,711.25	481.33	492.74	688.71	1.50	-1.48	0.54	172.56
	NORMAL	4,874.0	21.54	47.89	4,798.80	504.58	517.86	722.93	0.66	0.39	1.46	54.08
	NORMAL	4,969.0	22.80	48.22	4,886.77	528.54	544.53	758.77	1.33	1.33	0.35	5.80
9/4/2013	NORMAL	5,064.0	22.45	48.03	4,974.46	552.94	571.74	795.31	0.38	-0.37	-0.20	191.71
	NORMAL	5,158.0	22.57	47.55	5,061.30	577.12	598.39	831.29	0.23	0.13	-0.51	302.92
	NORMAL	5,253.0	22.66	49.27	5,149.00	601.36	625.71	867.80	0.70	0.09	1.81	83.05
	NORMAL	5,348.0	24.46	49.60	5,236.07	626.05	654.56	905.73	1.80	1.89	0.35	4.34
	NORMAL	5,443.0	24.17	47.94	5,322.65	651.83	683.98	944.82	0.78	-0.31	-1.75	246.25
	NORMAL	5,537.0	25.68	47.22	5,407.89	678.55	713.22	984.42	1.64	1.61	-0.77	348.31
	NORMAL	5,632.0	25.40	47.32	5,493.61	706.35	743.30	1,025.38	0.30	-0.29	0.11	171.29
	NORMAL	5,727.0	22.51	46.96	5,580.42	732.58	771.58	1,063.95	3.05	-3.04	-0.38	182.73
	NORMAL	5,822.0	22.60	50.21	5,668.15	756.87	798.90	1,100.35	1.32	0.09	3.42	87.37
	NORMAL	5,917.0	21.52	48.69	5,756.20	779.86	826.01	1,135.99	1.29	-1.14	-1.60	207.16
	NORMAL	6,012.0	21.63	47.05	5,844.54	803.29	851.92	1,170.91	0.65	0.12	-1.73	279.57
	NORMAL	6,107.0	20.66	47.93	5,933.15	826.45	877.18	1,205.18	1.07	-1.02	0.93	162.29
	NORMAL	6,201.0	19.61	48.54	6,021.40	848.00	901.31	1,237.52	1.14	-1.12	0.65	168.98
	NORMAL	6,296.0	18.47	48.45	6,111.20	868.54	924.52	1,268.50	1.20	-1.20	-0.09	181.43
9/4/2013	NORMAL	6,391.0	17.23	48.54	6,201.63	887.84	946.32	1,297.61	1.31	-1.31	0.09	178.77
	NORMAL	6,485.0	15.39	47.22	6,291.84	905.53	965.91	1,324.00	2.00	-1.96	-1.40	190.76
	NORMAL	6,579.0	14.86	49.16	6,382.58	921.88	984.19	1,348.51	0.78	-0.56	2.06	137.25
	NORMAL	6,674.0	14.86	49.16	6,474.41	937.82	1,002.62	1,372.85	0.00	0.00	0.00	0.00
	NORMAL	6,769.0	13.80	49.19	6,566.45	953.19	1,020.41	1,396.34	1.12	-1.12	0.03	179.61
	NORMAL	6,863.0	12.93	51.35	6,657.90	967.08	1,037.11	1,418.03	1.07	-0.93	2.30	151.20
	NORMAL	6,958.0	11.52	49.77	6,750.75	979.85	1,052.66	1,438.10	1.53	-1.48	-1.66	192.58
	NORMAL	7,053.0	10.06	46.52	6,844.07	991.69	1,065.92	1,455.87	1.66	-1.54	-3.42	201.03
	NORMAL	7,148.0	8.35	45.51	6,937.84	1,002.23	1,076.86	1,471.06	1.81	-1.80	-1.06	184.90
	NORMAL	7,242.0	7.52	41.98	7,030.94	1,011.59	1,085.84	1,484.02	1.02	-0.88	-3.76	208.68
	NORMAL	7,337.0	6.24	43.36	7,125.25	1,019.96	1,093.55	1,495.37	1.36	-1.35	1.45	173.33

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	EW (ft)	V. sec. (ft)	DLS (°/100usft)	Build Rate (°/100usft)	Turn (°/100usft)	Tface (°)
9/5/2013	NORMAL	7,432.0	5.81	43.68	7,219.73	1,027.19	1,100.41	1,505.32	0.45	-0.45	0.34	175.69
	NORMAL	7,526.0	5.60	45.90	7,313.26	1,033.83	1,106.99	1,514.66	0.32	-0.22	2.36	134.68
	NORMAL	7,621.0	4.31	47.05	7,407.91	1,039.48	1,112.93	1,522.86	1.36	-1.36	1.21	176.17
	NORMAL	7,716.0	2.64	53.64	7,502.73	1,043.21	1,117.31	1,528.60	1.80	-1.76	6.94	169.82
	NORMAL	7,810.0	1.34	59.81	7,596.67	1,045.05	1,120.00	1,531.82	1.40	-1.38	6.56	173.72
	NORMAL	7,905.0	1.32	249.20	7,691.66	1,045.22	1,119.94	1,531.90	2.79	-0.02	-179.59	184.66
	NORMAL	8,000.0	0.35	259.30	7,786.65	1,044.78	1,118.63	1,530.64	1.03	-1.02	10.63	176.40
	NORMAL	8,094.0	1.49	6.35	7,880.64	1,045.94	1,118.49	1,531.33	1.73	1.21	113.88	118.91
	NORMAL	8,189.0	2.46	20.94	7,975.59	1,049.07	1,119.35	1,534.11	1.14	1.02	15.36	34.82
	NORMAL	8,284.0	2.70	56.00	8,070.49	1,052.23	1,121.93	1,538.15	1.65	0.25	36.91	99.13
	NORMAL	8,378.0	1.76	47.14	8,164.42	1,054.45	1,124.83	1,541.78	1.06	-1.00	-9.43	195.75
	NORMAL	8,473.0	1.14	43.88	8,259.39	1,056.12	1,126.55	1,544.18	0.66	-0.65	-3.43	185.95
	NORMAL	8,568.0	0.62	41.60	8,354.38	1,057.18	1,127.55	1,545.64	0.55	-0.55	-2.40	182.71
	NORMAL	8,662.0	0.44	133.53	8,448.38	1,057.32	1,128.15	1,546.16	0.82	-0.19	97.80	145.29
	NORMAL	8,757.0	0.44	217.33	8,543.38	1,056.78	1,128.19	1,545.82	0.62	0.00	88.21	131.90
9/6/2013	NORMAL	8,852.0	1.06	218.79	8,638.37	1,055.80	1,127.42	1,544.59	0.65	0.65	1.54	2.50
	NORMAL	8,946.0	2.20	227.31	8,732.33	1,053.90	1,125.55	1,541.93	1.24	1.21	9.06	16.28
	NORMAL	9,041.0	2.46	252.98	8,827.25	1,052.07	1,122.26	1,538.28	1.12	0.27	27.02	89.06
	NORMAL	9,135.0	2.37	257.11	8,921.17	1,051.04	1,118.44	1,534.79	0.21	-0.10	4.39	119.40
	NORMAL	9,230.0	1.06	270.73	9,016.13	1,050.61	1,115.64	1,532.47	1.43	-1.38	14.34	169.45
	NORMAL	9,325.0	0.88	302.81	9,111.11	1,051.02	1,114.15	1,531.66	0.59	-0.19	33.77	123.92
	NORMAL	9,419.0	0.94	317.21	9,205.10	1,051.98	1,113.02	1,531.49	0.25	0.06	15.32	82.57
	NORMAL	9,514.0	1.49	284.70	9,300.08	1,052.86	1,111.30	1,530.84	0.91	0.58	-34.22	291.57
	NORMAL	9,609.0	0.88	313.18	9,395.06	1,053.68	1,109.57	1,530.14	0.87	-0.64	29.98	149.64
9/7/2013	NORMAL	9,704.0	0.88	293.32	9,490.05	1,054.46	1,108.37	1,529.81	0.32	0.00	-20.91	260.07
	NORMAL	9,798.0	0.18	235.18	9,584.05	1,054.67	1,107.58	1,529.38	0.85	-0.74	-61.85	191.02
	NORMAL	9,893.0	0.62	100.66	9,679.04	1,054.49	1,107.97	1,529.53	0.80	0.46	-141.60	215.72
	NORMAL	9,987.0	1.32	87.13	9,773.03	1,054.45	1,109.55	1,530.65	0.78	0.74	-14.39	335.04
9/8/2013	NORMAL	10,082.0	0.53	176.86	9,868.02	1,054.06	1,110.66	1,531.20	1.49	-0.83	94.45	158.08
	NORMAL	10,177.0	0.70	218.79	9,963.02	1,053.17	1,110.32	1,530.35	0.49	0.18	44.14	91.13
	NORMAL	10,271.0	0.18	319.95	10,057.01	1,052.84	1,109.87	1,529.79	0.80	-0.55	107.62	166.49
	NORMAL	10,366.0	0.35	322.15	10,152.01	1,053.18	1,109.60	1,529.82	0.18	0.18	2.32	4.53
	NORMAL	10,460.0	0.44	196.73	10,246.01	1,053.06	1,109.32	1,529.54	0.75	0.10	-133.43	210.65
	NORMAL	10,555.0	0.18	94.16	10,341.01	1,052.70	1,109.36	1,529.32	0.54	-0.27	-107.97	200.14
	NORMAL	10,650.0	0.62	215.27	10,436.01	1,052.27	1,109.21	1,528.92	0.77	0.46	127.48	133.31
	NORMAL	10,744.0	0.18	277.67	10,530.01	1,051.87	1,108.77	1,528.33	0.60	-0.47	66.38	163.44
	NORMAL	10,839.0	0.44	253.33	10,625.01	1,051.79	1,108.27	1,527.91	0.30	0.27	-25.62	320.62
	NORMAL	10,934.0	0.62	241.37	10,720.00	1,051.44	1,107.47	1,527.08	0.22	0.19	-12.59	322.35
9/9/2013	NORMAL	11,028.0	0.97	259.04	10,813.99	1,051.04	1,106.25	1,525.92	0.45	0.37	18.80	44.06
	NORMAL	11,123.0	0.18	354.23	10,908.99	1,051.04	1,105.44	1,525.33	1.06	-0.83	100.20	169.70
	NORMAL	11,218.0	1.23	244.27	11,003.98	1,050.75	1,104.51	1,524.45	1.37	1.11	-115.75	242.58
	NORMAL	11,312.0	1.32	245.24	11,097.96	1,049.85	1,102.62	1,522.46	0.10	0.10	1.03	13.97
	NORMAL	11,407.0	1.93	253.33	11,192.92	1,048.94	1,100.09	1,519.99	0.68	0.64	8.52	24.69
	NORMAL	11,502.0	2.02	249.37	11,287.87	1,047.89	1,096.99	1,517.02	0.17	0.09	-4.17	301.41
	NORMAL	11,596.0	2.55	243.04	11,381.79	1,046.36	1,093.58	1,513.48	0.62	0.56	-6.73	331.35
	NORMAL	11,691.0	2.90	244.71	11,476.68	1,044.37	1,089.52	1,509.17	0.38	0.37	1.76	13.62
	NORMAL	11,786.0	3.34	249.81	11,571.54	1,042.39	1,084.75	1,504.34	0.55	0.46	5.37	34.81
	NORMAL	11,881.0	3.52	246.03	11,666.37	1,040.25	1,079.49	1,499.04	0.30	0.19	-3.98	306.62
	NORMAL	11,975.0	3.52	243.04	11,760.20	1,037.77	1,074.28	1,493.54	0.20	0.00	-3.18	268.51
	NORMAL	12,071.0	3.78	241.46	11,856.00	1,034.92	1,068.87	1,487.66	0.29	0.27	-1.65	338.06
9/10/2013	NORMAL	12,165.0	4.92	248.49	11,949.73	1,031.96	1,062.40	1,480.92	1.34	1.21	7.48	28.60
	NORMAL	12,280.0	4.92	248.49	12,064.31	1,028.35	1,053.22	1,471.76	0.00	0.00	0.00	0.00

2.2 Survey Name: Survey #1

Survey Name	Survey #1	Company	SDI
Date Started	7/30/2013	Ended	
Tool Name	MWD	Engineer	

2.2.1 Tie On Point

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	EW (ft)
0.0	0.00	0.00	0.00	0.00	0.00

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	EW (ft)	V. sec. (ft)	DLS (°/100usft)	Build Rate (°/100usft)	Turn (°/100usft)	Tface (°)
7/30/2013	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2013	NORMAL	144.0	0.89	13.69	143.99	1.09	0.26	9.07	0.62	0.62	0.00	13.69
	NORMAL	236.0	2.81	41.60	235.94	3.47	1.93	3.78	2.25	2.09	30.34	39.54
	NORMAL	328.0	4.57	38.79	327.75	8.01	5.72	9.66	1.92	1.91	-3.05	352.73
	NORMAL	420.0	5.99	43.26	419.36	14.36	11.31	18.08	1.61	1.54	4.86	18.39
7/31/2013	NORMAL	106.0	7.03	46.52	105.73	4.47	4.71	6.49	6.63	6.63	0.00	46.52
	NORMAL	512.0	6.08	48.72	510.85	21.07	18.26	27.74	0.63	0.10	5.93	83.81
	NORMAL	605.0	7.12	48.28	603.23	28.16	26.27	38.43	1.12	1.12	-0.47	357.00
	NORMAL	697.0	7.12	48.19	694.52	35.75	34.77	49.83	0.01	0.00	-0.10	269.96
	NORMAL	789.0	6.95	45.99	785.83	43.42	43.02	61.09	0.35	-0.18	-2.39	236.66
	NORMAL	881.0	6.86	47.66	877.16	50.99	51.09	72.15	0.24	-0.10	1.82	114.97
	NORMAL	973.0	7.12	45.91	968.48	58.66	59.25	83.35	0.37	0.28	-1.90	319.81
	NORMAL	1,068.0	7.03	46.52	1,062.76	66.76	67.69	95.05	0.12	-0.09	0.64	140.45
	NORMAL	1,162.0	5.80	44.50	1,156.17	74.10	75.20	105.54	1.33	-1.31	-2.15	189.40
	NORMAL	1,258.0	6.07	40.46	1,251.65	81.42	81.89	115.44	0.52	0.28	-4.21	300.86
	NORMAL	1,352.0	5.54	38.44	1,345.17	88.76	87.94	124.87	0.60	-0.56	-2.15	200.08
	NORMAL	1,447.0	5.54	44.85	1,439.73	95.60	94.02	133.99	0.65	0.00	6.75	93.19
	NORMAL	1,542.0	6.42	46.08	1,534.21	102.54	101.08	143.88	0.94	0.93	1.29	8.90
	NORMAL	1,636.0	5.98	43.71	1,627.66	109.72	108.25	154.03	0.54	-0.47	-2.52	209.01
	NORMAL	1,731.0	7.03	47.87	1,722.05	117.20	115.98	164.78	1.21	1.11	4.38	26.25
	NORMAL	1,826.0	7.03	51.44	1,816.33	124.72	124.84	176.39	0.46	0.00	3.76	91.77
8/1/2013	NORMAL	1,921.0	7.30	50.65	1,910.59	132.17	134.05	188.20	0.30	0.28	-0.83	339.56
	NORMAL	2,015.0	6.66	51.35	2,003.89	139.37	142.94	199.61	0.67	-0.66	0.74	172.52
	NORMAL	2,110.0	7.03	51.09	2,098.21	146.48	151.78	210.92	0.37	0.37	-0.27	354.80
	NORMAL	2,205.0	6.68	55.57	2,192.54	153.25	160.86	222.17	0.67	-0.37	4.72	125.42
	NORMAL	2,299.0	6.51	53.02	2,285.91	159.55	169.63	232.87	0.36	-0.18	-2.71	238.60
	NORMAL	2,394.0	6.42	55.49	2,380.31	165.80	178.30	243.47	0.31	-0.09	2.60	109.16
	NORMAL	2,489.0	5.80	47.93	2,474.77	172.02	186.24	253.52	1.07	-0.65	-7.96	228.67
	NORMAL	2,583.0	5.98	46.70	2,568.28	178.56	193.33	263.17	0.23	0.19	-1.31	324.35
	NORMAL	2,773.0	5.63	52.06	2,757.24	191.37	208.42	282.93	0.60	-0.56	2.13	159.63
	NORMAL	2,868.0	5.63	40.54	2,851.79	197.78	215.13	292.20	1.19	0.00	-12.13	264.27
	NORMAL	2,963.0	4.57	37.56	2,946.41	204.32	220.46	300.57	1.15	-1.12	-3.14	192.55
	NORMAL	3,058.0	5.36	41.25	3,041.05	210.65	225.70	308.73	0.90	0.83	3.88	23.86
	NORMAL	3,152.0	6.24	38.00	3,134.57	217.98	231.74	318.15	1.00	0.94	-3.46	337.91
	NORMAL	3,247.0	7.56	40.19	3,228.88	226.82	238.95	329.46	1.42	1.39	2.31	12.36
	NORMAL	3,341.0	8.88	47.66	3,321.92	236.44	248.30	342.86	1.80	1.40	7.95	42.71
8/1/2013	NORMAL	2,678.0	6.16	50.04	2,662.74	185.23	200.84	273.20	0.42	0.19	3.52	64.66
8/2/2013	NORMAL	3,436.0	9.06	45.20	3,415.75	246.64	259.03	357.67	0.45	0.19	-2.59	293.92
	NORMAL	3,531.0	9.67	45.82	3,509.49	257.48	270.06	373.12	0.65	0.64	0.65	9.70
	NORMAL	3,626.0	8.44	42.57	3,603.30	268.17	280.50	388.05	1.40	-1.29	-3.42	200.98
	NORMAL	3,721.0	7.91	38.87	3,697.34	278.39	289.32	401.48	0.79	-0.56	-3.89	222.97
	NORMAL	3,816.0			3,792.04	283.49	293.43	407.97	8.33	-8.33	0.00	180.00