

WELL NAME	SURVEY DATE/TI ME	MD (ft)	INC (°)	AZI (°)	TVD (ft)	NORTHIN G (ft)	EASTING (ft)
PA 701-32-HN1	08/25/14	0	0	0	0	0	0
PA 701-32-HN1	05/04/14	0	0	0	0	0	0
PA 701-32-HN1	08/29/14	182	0.18	144.9	182	-0.2	0.2
PA 701-32-HN1	05/04/14	182	0.18	144.9	182	-0.2	0.2
PA 701-32-HN1	08/29/14	243	0.2	68.17	243	-0.3	0.3
PA 701-32-HN1	05/04/14	243	0.2	68.17	243	-0.3	0.3
PA 701-32-HN1	05/04/14	340	0.4	64.48	340	-0.1	0.8
PA 701-32-HN1	08/29/14	340	0.44	64.48	340	0	0.8
PA 701-32-HN1	08/29/14	433	0.51	61.36	433	0.3	1.5
PA 701-32-HN1	05/04/14	433	0.51	61.36	433	0.3	1.4
PA 701-32-HN1	08/29/14	526	1.01	66.24	526	0.8	2.6
PA 701-32-HN1	05/04/14	526	1.01	66.24	526	0.8	2.6
PA 701-32-HN1	08/29/14	620	1.06	45.94	620	1.8	4
PA 701-32-HN1	05/04/14	620	1.06	45.94	620	1.7	3.9
PA 701-32-HN1	05/05/14	714	0.94	2.35	714	3.1	4.6
PA 701-32-HN1	08/29/14	714	0.94	2.35	714	3.1	4.7
PA 701-32-HN1	08/29/14	806	2.3	295.13	805.9	4.7	3
PA 701-32-HN1	05/05/14	806	2.3	295.13	805.9	4.7	2.9
PA 701-32-HN1	05/05/14	897	2.67	280.41	896.8	5.8	-0.8
PA 701-32-HN1	08/29/14	897	2.67	280.41	896.8	5.8	-0.7
PA 701-32-HN1	08/29/14	989	2.06	243.04	988.8	5.5	-4.3
PA 701-32-HN1	05/05/14	989	2.06	243.04	988.8	5.5	-4.4
PA 701-32-HN1	08/29/14	1,080.00	1.49	163.01	1,079.70	3.6	-5.4
PA 701-32-HN1	05/05/14	1,080.00	1.49	163.01	1,079.70	3.6	-5.5
PA 701-32-HN1	05/05/14	1,172.00	2.51	132.35	1,171.70	1.1	-3.6
PA 701-32-HN1	08/29/14	1,172.00	2.51	132.35	1,171.70	1.1	-3.6
PA 701-32-HN1	08/29/14	1,263.00	3.3	112.09	1,262.60	-1.2	0.3
PA 701-32-HN1	05/05/14	1,263.00	3.3	112.09	1,262.60	-1.3	0.3
PA 701-32-HN1	08/29/14	1,355.00	2.8	92.15	1,354.40	-2.3	5
PA 701-32-HN1	05/05/14	1,355.00	2.8	92.15	1,354.40	-2.3	5
PA 701-32-HN1	05/05/14	1,446.00	1.52	101.57	1,445.40	-2.7	8.4
PA 701-32-HN1	08/29/14	1,446.00	1.52	101.57	1,445.40	-2.6	8.4
PA 701-32-HN1	05/05/14	1,538.00	0.79	177.87	1,537.40	-3.5	9.6
PA 701-32-HN1	08/29/14	1,538.00	0.79	177.87	1,537.40	-3.5	9.6
PA 701-32-HN1	05/05/14	1,631.00	1.79	203.07	1,630.30	-5.5	9
PA 701-32-HN1	08/29/14	1,631.00	1.79	203.07	1,630.30	-5.5	9.1
PA 701-32-HN1	05/06/14	1,725.00	1.78	226.81	1,724.30	-7.9	7.4
PA 701-32-HN1	08/29/14	1,725.00	1.78	226.81	1,724.30	-7.8	7.5
PA 701-32-HN1	08/29/14	1,819.00	1.47	249.94	1,818.20	-9.2	5.3
PA 701-32-HN1	05/06/14	1,819.00	1.47	249.94	1,818.30	-9.3	5.2
PA 701-32-HN1	05/06/14	1,913.00	1.35	325.07	1,912.20	-8.8	3.4
PA 701-32-HN1	08/29/14	1,913.00	1.35	325.07	1,912.20	-8.8	3.5
PA 701-32-HN1	05/06/14	2,007.00	0.95	69.16	2,006.20	-7.6	3.5
PA 701-32-HN1	08/29/14	2,007.00	0.95	69.16	2,006.20	-7.6	3.6

PA 701-32-HN1	08/29/14	2,100.00	1.41	156.06	2,099.20	-8.3	4.8
PA 701-32-HN1	05/06/14	2,100.00	1.41	156.06	2,099.20	-8.4	4.7
PA 701-32-HN1	08/29/14	2,133.00	1.67	156.42	2,132.20	-9.2	5.1
PA 701-32-HN1	05/06/14	2,133.00	1.67	156.42	2,132.20	-9.2	5.1
PA 701-32-HN1	05/10/14	2,252.00	2.5	158.51	2,251.10	-13.2	6.7
PA 701-32-HN1	08/29/14	2,252.00	2.5	158.51	2,251.10	-13.2	6.8
PA 701-32-HN1	08/29/14	2,283.00	2.72	158.44	2,282.10	-14.5	7.3
PA 701-32-HN1	05/10/14	2,283.00	2.72	158.44	2,282.10	-14.5	7.2
PA 701-32-HN1	08/29/14	2,377.00	1.82	162.43	2,376.00	-18	8.6
PA 701-32-HN1	05/10/14	2,377.00	1.82	162.43	2,376.00	-18	8.5
PA 701-32-HN1	08/29/14	2,471.00	0.95	173.18	2,470.00	-20.2	9.1
PA 701-32-HN1	05/10/14	2,471.00	0.95	173.18	2,470.00	-20.2	9
PA 701-32-HN1	08/29/14	2,565.00	0.2	317.28	2,564.00	-20.8	9.1
PA 701-32-HN1	05/10/14	2,565.00	0.2	317.28	2,564.00	-20.8	9
PA 701-32-HN1	08/29/14	2,659.00	0.7	322.77	2,658.00	-20.2	8.6
PA 701-32-HN1	05/10/14	2,659.00	0.7	322.77	2,658.00	-20.3	8.6
PA 701-32-HN1	05/10/14	2,753.00	0.85	341.04	2,752.00	-19.1	8
PA 701-32-HN1	08/29/14	2,753.00	0.85	341.04	2,752.00	-19.1	8
PA 701-32-HN1	08/29/14	2,847.00	0.48	349.79	2,846.00	-18.1	7.8
PA 701-32-HN1	05/10/14	2,847.00	0.44	350.2	2,846.00	-18.1	7.7
PA 701-32-HN1	08/29/14	2,941.00	0.32	344.06	2,940.00	-17.4	7.6
PA 701-32-HN1	05/10/14	2,941.00	0.32	344.06	2,940.00	-17.5	7.6
PA 701-32-HN1	08/29/14	3,035.00	0.51	335	3,033.90	-16.8	7.4
PA 701-32-HN1	05/10/14	3,035.00	0.51	335	3,034.00	-16.9	7.3
PA 701-32-HN1	08/29/14	3,129.00	0.53	316.13	3,127.90	-16.1	6.9
PA 701-32-HN1	05/10/14	3,129.00	0.53	316.13	3,127.90	-16.2	6.8
PA 701-32-HN1	05/10/14	3,223.00	0.72	301.57	3,221.90	-15.6	6
PA 701-32-HN1	08/29/14	3,223.00	0.72	301.57	3,221.90	-15.5	6.1
PA 701-32-HN1	08/29/14	3,317.00	0.54	295.19	3,315.90	-15	5.2
PA 701-32-HN1	05/10/14	3,317.00	0.54	295.19	3,315.90	-15.1	5.1
PA 701-32-HN1	05/10/14	3,411.00	0.45	255.5	3,409.90	-15	4.4
PA 701-32-HN1	08/29/14	3,411.00	0.45	255.51	3,409.90	-14.9	4.4
PA 701-32-HN1	08/29/14	3,505.00	0.24	255.7	3,503.90	-15	3.9
PA 701-32-HN1	05/10/14	3,505.00	0.24	255.7	3,503.90	-15.1	3.8
PA 701-32-HN1	05/10/14	3,598.00	0.24	263.12	3,596.90	-15.2	3.4
PA 701-32-HN1	08/29/14	3,598.00	0.24	263.12	3,596.90	-15.1	3.5
PA 701-32-HN1	08/29/14	3,692.00	0.24	151.59	3,690.90	-15.3	3.4
PA 701-32-HN1	05/11/14	3,692.00	0.24	151.59	3,690.90	-15.4	3.3
PA 701-32-HN1	05/11/14	3,787.00	0.51	121.17	3,785.90	-15.8	3.8
PA 701-32-HN1	08/29/14	3,787.00	0.51	121.17	3,785.90	-15.7	3.8
PA 701-32-HN1	08/29/14	3,881.00	0.44	102.28	3,879.90	-16	4.6
PA 701-32-HN1	05/11/14	3,881.00	0.44	102.28	3,879.90	-16.1	4.5
PA 701-32-HN1	08/29/14	3,975.00	0.5	124.86	3,973.90	-16.3	5.2
PA 701-32-HN1	05/11/14	3,975.00	0.5	124.86	3,973.90	-16.4	5.2
PA 701-32-HN1	05/11/14	4,069.00	0.61	117.6	4,067.90	-16.9	6
PA 701-32-HN1	08/29/14	4,069.00	0.61	117.6	4,067.90	-16.8	6
PA 701-32-HN1	05/11/14	4,163.00	0.58	100.31	4,161.90	-17.2	6.9

PA 701-32-HN1	08/29/14	4,163.00	0.58	100.31	4,161.90	-17.1	6.9
PA 701-32-HN1	05/11/14	4,257.00	0.47	102.91	4,255.90	-17.3	7.7
PA 701-32-HN1	08/29/14	4,257.00	0.47	102.91	4,255.90	-17.3	7.8
PA 701-32-HN1	05/11/14	4,351.00	0.7	101.22	4,349.90	-17.5	8.7
PA 701-32-HN1	08/29/14	4,351.00	0.7	101.22	4,349.90	-17.5	8.7
PA 701-32-HN1	05/11/14	4,445.00	0.51	105.7	4,443.90	-17.8	9.6
PA 701-32-HN1	08/29/14	4,445.00	0.51	105.7	4,443.90	-17.7	9.7
PA 701-32-HN1	08/29/14	4,540.00	0.2	170.24	4,538.90	-18	10.1
PA 701-32-HN1	05/11/14	4,540.00	0.2	170.24	4,538.90	-18	10.1
PA 701-32-HN1	05/11/14	4,634.00	0.44	224.88	4,632.90	-18.5	9.8
PA 701-32-HN1	08/29/14	4,634.00	0.44	242.4	4,632.90	-18.3	9.8
PA 701-32-HN1	05/11/14	4,728.00	0.24	273.29	4,726.90	-18.7	9.4
PA 701-32-HN1	08/29/14	4,728.00	0.24	273.29	4,726.90	-18.4	9.3
PA 701-32-HN1	08/29/14	4,822.00	0.32	276.4	4,820.90	-18.4	8.9
PA 701-32-HN1	05/12/14	4,822.00	0.32	276.4	4,820.90	-18.7	8.9
PA 701-32-HN1	05/12/14	4,916.00	0.51	266.76	4,914.90	-18.7	8.3
PA 701-32-HN1	08/29/14	4,916.00	0.51	266.76	4,914.90	-18.4	8.2
PA 701-32-HN1	08/29/14	5,010.00	0.64	267.56	5,008.90	-18.4	7.2
PA 701-32-HN1	05/12/14	5,010.00	0.64	267.56	5,008.90	-18.7	7.3
PA 701-32-HN1	05/12/14	5,104.00	0.36	236.84	5,102.90	-18.9	6.5
PA 701-32-HN1	08/29/14	5,104.00	0.36	236.84	5,102.90	-18.6	6.5
PA 701-32-HN1	08/29/14	5,199.00	0.18	252.39	5,197.90	-18.8	6.1
PA 701-32-HN1	05/12/14	5,199.00	0.18	252.39	5,197.90	-19.1	6.2
PA 701-32-HN1	05/12/14	5,293.00	0.18	237.62	5,291.90	-19.2	5.9
PA 701-32-HN1	08/29/14	5,293.00	0.18	237.62	5,291.90	-19	5.8
PA 701-32-HN1	05/12/14	5,386.00	0.24	202.36	5,384.90	-19.5	5.7
PA 701-32-HN1	08/29/14	5,386.00	0.24	202.36	5,384.90	-19.2	5.6
PA 701-32-HN1	08/29/14	5,480.00	0.35	186.91	5,478.90	-19.7	5.5
PA 701-32-HN1	05/12/14	5,480.00	0.35	186.91	5,478.90	-20	5.6
PA 701-32-HN1	05/12/14	5,574.00	0.49	185.4	5,572.90	-20.6	5.5
PA 701-32-HN1	08/29/14	5,574.00	0.49	185.4	5,572.90	-20.4	5.4
PA 701-32-HN1	05/12/14	5,668.00	0.44	239.3	5,666.90	-21.2	5.2
PA 701-32-HN1	08/29/14	5,668.00	0.44	239.3	5,666.90	-21	5.1
PA 701-32-HN1	08/29/14	5,761.00	0.36	279.68	5,759.90	-21.1	4.5
PA 701-32-HN1	05/12/14	5,761.00	0.35	279.68	5,759.90	-21.4	4.6
PA 701-32-HN1	05/13/14	5,855.00	0.26	307.53	5,853.90	-21.2	4.1
PA 701-32-HN1	08/29/14	5,855.00	0.26	307.53	5,853.90	-20.9	4
PA 701-32-HN1	08/29/14	5,949.00	0.37	292.48	5,947.90	-20.7	3.6
PA 701-32-HN1	05/13/14	5,949.00	0.37	292.48	5,947.90	-20.9	3.7
PA 701-32-HN1	05/13/14	6,043.00	0.53	267.14	6,041.90	-20.8	3
PA 701-32-HN1	08/29/14	6,043.00	0.53	267.14	6,041.90	-20.6	2.9
PA 701-32-HN1	05/13/14	6,137.00	0.78	311.17	6,135.90	-20.4	2
PA 701-32-HN1	08/29/14	6,137.00	0.78	311.17	6,135.90	-20.2	1.9
PA 701-32-HN1	08/29/14	6,231.00	1.05	332.47	6,229.80	-19	1.1
PA 701-32-HN1	05/13/14	6,231.00	1.05	332.47	6,229.80	-19.3	1.2
PA 701-32-HN1	08/29/14	6,324.00	1.14	333.47	6,322.80	-17.4	0.3
PA 701-32-HN1	05/13/14	6,324.00	1.14	333.47	6,322.80	-17.7	0.4

PA 701-32-HN1	08/29/14	6,418.00	1.12	344.18	6,416.80	-15.7	-0.4
PA 701-32-HN1	05/14/14	6,418.00	1.12	344.18	6,416.80	-15.9	-0.3
PA 701-32-HN1	05/14/14	6,512.00	0.99	355.76	6,510.80	-14.3	-0.6
PA 701-32-HN1	08/29/14	6,512.00	0.99	355.76	6,510.80	-14	-0.7
PA 701-32-HN1	05/14/14	6,606.00	0.97	358.01	6,604.80	-12.7	-0.7
PA 701-32-HN1	08/29/14	6,606.00	0.97	358.01	6,604.80	-12.4	-0.8
PA 701-32-HN1	05/14/14	6,700.00	0.79	2.96	6,698.80	-11.2	-0.7
PA 701-32-HN1	08/29/14	6,700.00	0.79	2.96	6,698.80	-10.9	-0.8
PA 701-32-HN1	05/14/14	6,794.00	0.78	11.69	6,792.80	-9.9	-0.5
PA 701-32-HN1	08/29/14	6,794.00	0.78	11.69	6,792.80	-9.7	-0.6
PA 701-32-HN1	08/29/14	6,887.00	0.77	3.99	6,885.80	-8.4	-0.5
PA 701-32-HN1	05/14/14	6,887.00	0.77	3.99	6,885.80	-8.7	-0.4
PA 701-32-HN1	05/15/14	6,981.00	1.04	2.12	6,979.70	-7.2	-0.3
PA 701-32-HN1	08/29/14	6,981.00	1.04	2.12	6,979.70	-6.9	-0.4
PA 701-32-HN1	05/15/14	7,075.00	0.87	4.44	7,073.70	-5.6	-0.2
PA 701-32-HN1	08/29/14	7,075.00	0.87	4.44	7,073.70	-5.4	-0.3
PA 701-32-HN1	08/29/14	7,169.00	0.69	25.93	7,167.70	-4.2	0
PA 701-32-HN1	05/16/14	7,169.00	0.69	25.93	7,167.70	-4.4	0.1
PA 701-32-HN1	05/16/14	7,263.00	0.85	26.89	7,261.70	-3.3	0.7
PA 701-32-HN1	08/29/14	7,263.00	0.85	26.89	7,261.70	-3	0.6
PA 701-32-HN1	05/16/14	7,357.00	0.56	48.05	7,355.70	-2.4	1.3
PA 701-32-HN1	08/29/14	7,357.00	0.56	48.05	7,355.70	-2.1	1.2
PA 701-32-HN1	08/29/14	7,451.00	0.61	31.48	7,449.70	-1.4	1.8
PA 701-32-HN1	05/16/14	7,451.00	0.61	31.48	7,449.70	-1.6	1.9
PA 701-32-HN1	05/16/14	7,545.00	0.36	73.31	7,543.70	-1.1	2.5
PA 701-32-HN1	08/29/14	7,545.00	0.36	73.31	7,543.70	-0.8	2.4
PA 701-32-HN1	08/29/14	7,640.00	0.44	94.53	7,638.70	-0.8	3
PA 701-32-HN1	05/16/14	7,640.00	0.44	94.53	7,638.70	-1.1	3.1
PA 701-32-HN1	08/29/14	7,734.00	0.61	68.8	7,732.70	-0.6	3.8
PA 701-32-HN1	05/17/14	7,734.00	0.61	68.8	7,732.70	-0.9	3.9
PA 701-32-HN1	08/29/14	7,828.00	0.75	63.14	7,826.70	-0.2	4.8
PA 701-32-HN1	05/17/14	7,922.00	0.48	56.06	7,920.70	-0.1	5.5
PA 701-32-HN1	08/29/14	7,922.00	0.48	56.06	7,920.70	0.3	5.7
PA 701-32-HN1	08/29/14	8,016.00	0.59	29.91	8,014.70	1	6.3
PA 701-32-HN1	05/17/14	8,016.00	0.59	29.91	8,014.70	0.5	6.1
PA 701-32-HN1	05/17/14	8,110.00	0.67	9.2	8,108.70	1.5	6.4
PA 701-32-HN1	08/29/14	8,110.00	0.53	11.92	8,108.70	1.8	6.6
PA 701-32-HN1	08/29/14	8,204.00	0.41	16.25	8,202.70	2.6	6.8
PA 701-32-HN1	05/17/14	8,204.00	0.41	16.25	8,202.70	2.4	6.6
PA 701-32-HN1	08/29/14	8,298.00	0.24	296.26	8,296.70	3	6.7
PA 701-32-HN1	05/17/14	8,298.00	0.24	296.26	8,296.70	2.8	6.5
PA 701-32-HN1	08/29/14	8,391.00	0.56	218.61	8,389.70	2.7	6.3
PA 701-32-HN1	05/18/14	8,391.00	0.56	218.61	8,389.70	2.5	6.1
PA 701-32-HN1	05/18/14	8,485.00	0.96	215.36	8,483.70	1.5	5.3
PA 701-32-HN1	08/29/14	8,485.00	0.96	217.19	8,483.70	1.7	5.5
PA 701-32-HN1	08/29/14	8,579.00	1.29	212.81	8,577.60	0.2	4.5
PA 701-32-HN1	05/18/14	8,579.00	1.29	212.81	8,577.60	0	4.3

PA 701-32-HN1	05/18/14	8,673.00	1.27	211.45	8,671.60	-1.8	3.2
PA 701-32-HN1	08/29/14	8,673.00	1.27	211.45	8,671.60	-1.6	3.3
PA 701-32-HN1	08/29/14	8,767.00	1.63	215.98	8,765.60	-3.6	2
PA 701-32-HN1	05/20/14	8,767.00	1.63	215.98	8,765.60	-3.8	1.8
PA 701-32-HN1	05/20/14	8,861.00	1.86	225.1	8,859.50	-5.9	0
PA 701-32-HN1	08/29/14	8,861.00	1.86	225.1	8,859.50	-5.7	0.1
PA 701-32-HN1	08/29/14	8,955.00	1.33	243.86	8,953.50	-7.3	-1.9
PA 701-32-HN1	05/20/14	8,955.00	1.33	243.86	8,953.50	-7.5	-2.1
PA 701-32-HN1	05/20/14	9,040.00	1.24	306.93	9,038.50	-7.4	-3.7
PA 701-32-HN1	08/29/14	9,049.00	1.24	306.93	9,047.50	-7.1	-3.7
PA 701-32-HN1	08/29/14	9,143.00	1.27	338.24	9,141.50	-5.6	-4.9
PA 701-32-HN1	05/21/14	9,143.00	1.27	338.24	9,141.50	-5.6	-5
PA 701-32-HN1	08/29/14	9,236.00	1.17	342.12	9,234.40	-3.7	-5.6
PA 701-32-HN1	05/21/14	9,236.00	1.17	342.12	9,234.40	-3.8	-5.7
PA 701-32-HN1	05/21/14	9,330.00	1.05	357.13	9,328.40	-2	-6
PA 701-32-HN1	08/29/14	9,330.00	1.05	357.13	9,328.40	-1.9	-5.9
PA 701-32-HN1	08/29/14	9,424.00	1.05	348.34	9,422.40	-0.2	-6.1
PA 701-32-HN1	05/22/14	9,424.00	1.05	348.34	9,422.40	-0.3	-6.2
PA 701-32-HN1	08/29/14	9,518.00	1.06	354.66	9,516.40	1.5	-6.4
PA 701-32-HN1	05/23/14	9,518.00	1.06	354.66	9,516.40	1.4	-6.5
PA 701-32-HN1	05/23/14	9,612.00	0.97	345.92	9,610.40	3	-6.8
PA 701-32-HN1	08/29/14	9,612.00	0.97	345.92	9,610.40	3.1	-6.7
PA 701-32-HN1	05/23/14	9,706.00	0.5	358.97	9,704.40	4.2	-7
PA 701-32-HN1	08/29/14	9,706.00	0.5	358.97	9,704.40	4.3	-6.9
PA 701-32-HN1	08/29/14	9,800.00	0.2	315.63	9,798.40	4.8	-7
PA 701-32-HN1	05/24/14	9,800.00	0.2	315.63	9,798.40	4.7	-7.1
PA 701-32-HN1	08/29/14	9,894.00	0.47	276.38	9,892.40	5	-7.5
PA 701-32-HN1	06/05/14	9,894.00	0.47	276.38	9,892.40	4.9	-7.6
PA 701-32-HN1	08/29/14	9,986.00	0.34	212.72	9,984.40	4.8	-8
PA 701-32-HN1	06/05/14	9,986.00	0.29	197.29	9,984.40	4.7	-8
PA 701-32-HN1	08/29/14	10,029.00	0.5	160.12	10,027.40	4.5	-8
PA 701-32-HN1	08/29/14	10,060.00	1.16	154.18	10,058.40	4.1	-7.8
PA 701-32-HN1	06/05/14	10,080.00	1.06	50.95	10,078.40	5	-7.4
PA 701-32-HN1	08/29/14	10,092.00	3.93	173.31	10,090.30	2.7	-7.6
PA 701-32-HN1	08/29/14	10,124.00	7.32	178.42	10,122.20	-0.4	-7.4
PA 701-32-HN1	08/29/14	10,155.00	9.45	179.17	10,152.80	-4.9	-7.3
PA 701-32-HN1	06/05/14	10,174.00	1	66.01	10,172.30	5.9	-6
PA 701-32-HN1	08/29/14	10,186.00	11.22	177.6	10,183.30	-10.5	-7.1
PA 701-32-HN1	08/29/14	10,218.00	13.27	173.79	10,214.60	-17.2	-6.6
PA 701-32-HN1	08/29/14	10,249.00	15.7	174.05	10,244.60	-25	-5.8
PA 701-32-HN1	06/05/14	10,268.00	1.03	68.21	10,266.30	6.6	-4.5
PA 701-32-HN1	08/29/14	10,281.00	17.34	173.54	10,275.30	-34	-4.8
PA 701-32-HN1	08/29/14	10,312.00	18.94	173	10,304.70	-43.6	-3.7
PA 701-32-HN1	08/29/14	10,343.00	20.89	173.9	10,333.90	-54.1	-2.5
PA 701-32-HN1	06/05/14	10,362.00	0.65	81.93	10,360.30	7	-3.2
PA 701-32-HN1	08/29/14	10,375.00	22.51	173.03	10,363.60	-65.8	-1.1
PA 701-32-HN1	08/29/14	10,407.00	24.91	174.41	10,392.90	-78.6	0.3

PA 701-32-HN1	08/29/14	10,439.00	26.66	174.93	10,421.70	-92.5	1.6
PA 701-32-HN1	06/06/14	10,457.00	0.68	88.06	10,455.30	7.1	-2.1
PA 701-32-HN1	08/29/14	10,470.00	28.51	175.85	10,449.20	-106.8	2.7
PA 701-32-HN1	08/29/14	10,501.00	31.42	177.78	10,476.10	-122.2	3.6
PA 701-32-HN1	08/29/14	10,533.00	34.16	179.18	10,503.00	-139.6	4
PA 701-32-HN1	06/06/14	10,551.00	0.81	113.69	10,549.30	6.8	-0.9
PA 701-32-HN1	08/29/14	10,564.00	36.45	180.12	10,528.30	-157.5	4.1
PA 701-32-HN1	08/29/14	10,595.00	39.26	180.03	10,552.70	-176.5	4.1
PA 701-32-HN1	08/29/14	10,627.00	41.79	179.54	10,577.10	-197.3	4.2
PA 701-32-HN1	06/06/14	10,644.00	0.72	150.42	10,642.30	6	0
PA 701-32-HN1	08/29/14	10,646.00	43.34	180.34	10,591.00	-210.1	4.2
PA 701-32-HN1	08/29/14	10,677.00	45.94	180.65	10,613.10	-231.9	4
PA 701-32-HN1	08/29/14	10,708.00	47.94	182.44	10,634.30	-254.6	3.4
PA 701-32-HN1	06/07/14	10,738.00	0.55	164.3	10,736.30	5.1	0.4
PA 701-32-HN1	08/29/14	10,740.00	48.83	182.45	10,655.50	-278.5	2.4
PA 701-32-HN1	08/29/14	10,772.00	50.25	182.55	10,676.30	-302.8	1.3
PA 701-32-HN1	08/29/14	10,804.00	53.37	180.61	10,696.10	-327.9	0.6
PA 701-32-HN1	06/07/14	10,832.00	0.4	203.32	10,830.30	4.4	0.4
PA 701-32-HN1	08/29/14	10,836.00	58.42	179.35	10,714.00	-354.4	0.7
PA 701-32-HN1	08/29/14	10,866.00	62.46	178.72	10,728.80	-380.5	1.1
PA 701-32-HN1	08/29/14	10,898.00	65.78	179.4	10,742.80	-409.3	1.6
PA 701-32-HN1	06/07/14	10,926.00	0.55	220.73	10,924.30	3.7	0
PA 701-32-HN1	08/29/14	10,929.00	68.52	179.19	10,754.80	-437.8	1.9
PA 701-32-HN1	08/29/14	10,961.00	69.64	179.01	10,766.20	-467.7	2.4
PA 701-32-HN1	08/29/14	10,992.00	70.68	179.41	10,776.80	-496.9	2.8
PA 701-32-HN1	06/07/14	11,020.00	0.81	200.14	11,018.30	2.7	-0.6
PA 701-32-HN1	08/29/14	11,023.00	71.13	179.51	10,786.90	-526.2	3.1
PA 701-32-HN1	08/29/14	11,055.00	71.45	179.61	10,797.20	-556.5	3.3
PA 701-32-HN1	08/29/14	11,086.00	72.45	179.72	10,806.80	-586	3.5
PA 701-32-HN1	06/07/14	11,114.00	1.23	207.04	11,112.30	1.2	-1.2
PA 701-32-HN1	08/29/14	11,117.00	73.83	180.28	10,815.80	-615.6	3.5
PA 701-32-HN1	08/29/14	11,148.00	75.37	179.74	10,824.00	-645.5	3.5
PA 701-32-HN1	08/29/14	11,180.00	76.78	179.8	10,831.70	-676.6	3.6
PA 701-32-HN1	08/29/14	11,211.00	78.39	180.37	10,838.40	-706.8	3.5
PA 701-32-HN1	08/29/14	11,242.00	79.18	180.02	10,844.40	-737.2	3.4
PA 701-32-HN1	08/29/14	11,273.00	81.23	178.84	10,849.70	-767.8	3.7
PA 701-32-HN1	06/08/14	11,302.00	1.71	214.9	11,300.20	-2.9	-3.8
PA 701-32-HN1	08/29/14	11,304.00	82.05	179.33	10,854.20	-798.5	4.2
PA 701-32-HN1	08/29/14	11,335.00	83	179.14	10,858.20	-829.2	4.6
PA 701-32-HN1	08/29/14	11,367.00	84.59	179.54	10,861.70	-861	5
PA 701-32-HN1	06/08/14	11,396.00	1.58	222.95	11,394.20	-5	-5.4
PA 701-32-HN1	08/29/14	11,398.00	85.7	180.04	10,864.30	-891.9	5.1
PA 701-32-HN1	08/29/14	11,429.00	87.18	179.59	10,866.20	-922.8	5.2
PA 701-32-HN1	08/29/14	11,461.00	89.23	178.29	10,867.20	-954.8	5.8
PA 701-32-HN1	06/08/14	11,489.00	1.49	230.16	11,487.10	-6.7	-7.2
PA 701-32-HN1	08/29/14	11,492.00	90.44	178.14	10,867.30	-985.8	6.8
PA 701-32-HN1	08/29/14	11,524.00	91.81	177.87	10,866.70	-1,017.80	7.9

PA 701-32-HN1	08/29/14	11,555.00	94.57	177.9	10,864.90	-1,048.70	9
PA 701-32-HN1	06/09/14	11,583.00	1.14	208.97	11,581.10	-8.3	-8.6
PA 701-32-HN1	08/29/14	11,586.00	95.45	177.77	10,862.20	-1,079.50	10.2
PA 701-32-HN1	08/29/14	11,618.00	95.52	177.64	10,859.20	-1,111.40	11.5
PA 701-32-HN1	08/29/14	11,654.00	95.6	178.31	10,855.70	-1,147.20	12.7
PA 701-32-HN1	06/09/14	11,677.00	1.37	176.74	11,675.10	-10.2	-9
PA 701-32-HN1	08/29/14	11,748.00	96.18	178.18	10,846.00	-1,240.60	15.6
PA 701-32-HN1	06/09/14	11,771.00	1.49	169.6	11,769.10	-12.6	-8.7
PA 701-32-HN1	06/09/14	11,810.00	1.58	161.95	11,808.00	-13.6	-8.5
PA 701-32-HN1	08/29/14	11,841.00	96.62	177.88	10,835.70	-1,333.00	18.8
PA 701-32-HN1	06/09/14	11,876.00	1.58	161.95	11,874.00	-15.3	-7.9
PA 701-32-HN1	08/29/14	11,935.00	96.65	178.44	10,824.80	-1,426.30	21.8
PA 701-32-HN1	08/29/14	12,029.00	96.91	178.67	10,813.70	-1,519.60	24.1
PA 701-32-HN1	08/29/14	12,123.00	97.29	178.82	10,802.10	-1,612.90	26.2
PA 701-32-HN1	08/29/14	12,217.00	97.55	178.9	10,790.00	-1,706.10	28
PA 701-32-HN1	08/29/14	12,311.00	97.6	178.81	10,777.60	-1,799.30	29.9
PA 701-32-HN1	08/29/14	12,404.00	97.93	178.77	10,765.00	-1,891.40	31.8
PA 701-32-HN1	08/29/14	12,461.00	98.05	180.46	10,757.10	-1,947.80	32.2
PA 701-32-HN1	08/29/14	12,555.00	95.55	181.64	10,746.00	-2,041.10	30.5
PA 701-32-HN1	08/29/14	12,649.00	93.82	181.87	10,738.30	-2,134.80	27.6
PA 701-32-HN1	08/29/14	12,743.00	92.54	181.96	10,733.10	-2,228.60	24.5
PA 701-32-HN1	08/29/14	12,836.00	92.12	182.08	10,729.30	-2,321.40	21.2
PA 701-32-HN1	08/29/14	12,930.00	92.06	182.43	10,725.80	-2,415.30	17.5
PA 701-32-HN1	08/29/14	13,024.00	91.29	182.15	10,723.10	-2,509.20	13.8
PA 701-32-HN1	08/29/14	13,118.00	91.5	182.36	10,720.80	-2,603.10	10.1
PA 701-32-HN1	08/29/14	13,212.00	90.42	181.5	10,719.20	-2,697.00	6.9
PA 701-32-HN1	08/29/14	13,305.00	90.98	180.81	10,718.10	-2,790.00	5
PA 701-32-HN1	08/29/14	13,399.00	91.12	181.1	10,716.40	-2,884.00	3.5
PA 701-32-HN1	08/29/14	13,494.00	91.05	181	10,714.60	-2,978.90	1.7
PA 701-32-HN1	08/29/14	13,588.00	91.11	181.13	10,712.80	-3,072.90	0
PA 701-32-HN1	08/29/14	13,682.00	91.58	181.55	10,710.60	-3,166.80	-2.2
PA 701-32-HN1	08/29/14	13,776.00	91.64	181.79	10,708.00	-3,260.80	-4.9
PA 701-32-HN1	08/29/14	13,870.00	92.31	182.12	10,704.70	-3,354.70	-8.2
PA 701-32-HN1	08/29/14	13,980.00	92.55	180.61	10,700.10	-3,464.50	-10.8
PA 701-32-HN1	08/29/14	14,074.00	91.58	180.03	10,696.70	-3,558.50	-11.3
PA 701-32-HN1	08/29/14	14,117.00	91.48	180.4	10,695.50	-3,601.40	-11.5
PA 701-32-HN1	08/29/14	14,211.00	91.07	179.91	10,693.40	-3,695.40	-11.7
PA 701-32-HN1	08/29/14	14,305.00	90.13	179.91	10,692.40	-3,789.40	-11.6
PA 701-32-HN1	08/29/14	14,398.00	90.87	180.29	10,691.60	-3,882.40	-11.7
PA 701-32-HN1	08/29/14	14,492.00	91.36	180.06	10,689.80	-3,976.40	-12
PA 701-32-HN1	08/29/14	14,586.00	90.2	179.91	10,688.50	-4,070.40	-12
PA 701-32-HN1	08/29/14	14,649.00	90.72	180.76	10,688.00	-4,133.40	-12.4
PA 701-32-HN1	08/29/14	14,743.00	90.67	180.71	10,686.90	-4,227.40	-13.6
PA 701-32-HN1	08/29/14	14,837.00	90.73	181.48	10,685.70	-4,321.30	-15.4
PA 701-32-HN1	08/29/14	14,931.00	91.43	181.4	10,684.00	-4,415.30	-17.7
PA 701-32-HN1	08/29/14	15,025.00	91.46	181.48	10,681.60	-4,509.20	-20.1
PA 701-32-HN1	08/29/14	15,118.00	89.4	180.23	10,680.90	-4,602.20	-21.5

PA 701-32-HN1	08/29/14	15,212.00	89.44	181.14	10,681.80	-4,696.20	-22.6
PA 701-32-HN1	08/29/14	15,306.00	89.9	180.15	10,682.40	-4,790.20	-23.7
PA 701-32-HN1	08/29/14	15,400.00	90.74	180.67	10,681.90	-4,884.20	-24.3
PA 701-32-HN1	08/29/14	15,432.00	90.77	180.71	10,681.40	-4,916.20	-24.7
PA 701-32-HN1	08/29/14	15,526.00	91.27	181.12	10,679.80	-5,010.20	-26.2
PA 701-32-HN1	08/29/14	15,671.00	92.99	182.03	10,674.40	-5,155.00	-30.2
PA 701-32-HN1	08/29/14	15,745.00	90.37	181.41	10,672.20	-5,228.90	-32.4
PA 701-32-HN1	08/29/14	15,787.00	90.37	181.41	10,671.90	-5,270.90	-33.4