

Log File Properties City of Ralston, IA
File Name Well #2
Create Date Step Test

Device Properties

Device Level TROLL 700
Site Ralston Iowa

Log Configuration

Log Name 6 hr step test
Create Date 1/10/2017 11:18:14 AM Central Standard Time
Scheduled Start Time 1/10/2017 11:20:00 AM Central Standard Time
Interval Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water	
Specific Gravity		0.999
Level Reference Mode:	Set new reference	
Level Reference Value:	39.9 (ft)	
Level Reference Head Pressure	8.01675 (PSI)	

Other Log Settings

Depth of Probe: 18.5104 (ft)
Head Pressure: 8.01675 (PSI)
Temperature: 15.5531 (C)

Date and Time	Elapsed Time Seconds	Pumping	
		Water Level	GPM
1/10/2017 11:20	0	39.852	60.8
1/10/2017 11:21	60.047	41.226	60.8
1/10/2017 11:22	120.121	40.4	60.8
1/10/2017 11:23	180	40.934	60.8
1/10/2017 11:24	240.024	41.035	60.8
1/10/2017 11:25	300.113	41.125	60.8
1/10/2017 11:26	360	41.256	60.8
1/10/2017 11:27	420	41.311	60.8
1/10/2017 11:28	480	41.273	60.8
1/10/2017 11:29	540	41.392	60.8
1/10/2017 11:30	600	41.279	60.8
1/10/2017 11:31	660	40.787	60.8
1/10/2017 11:32	720	41.422	60.8
1/10/2017 11:33	780	40.93	60.8
1/10/2017 11:34	840	41.421	60.8
1/10/2017 11:35	900	41.174	60.8
1/10/2017 11:36	960	41.664	60.8
1/10/2017 11:37	1020	41.406	60.8
1/10/2017 11:38	1080	41.568	60.8
1/10/2017 11:39	1140	41.285	60.8
1/10/2017 11:40	1200	41.583	60.8
1/10/2017 11:42	1320	41.628	60.8
1/10/2017 11:43	1380	41.498	60.8
1/10/2017 11:44	1440	41.602	60.8
1/10/2017 11:45	1500	41.643	60.8
1/10/2017 11:46	1560	41.24	60.8
1/10/2017 11:47	1620	41.526	60.8
1/10/2017 11:48	1680	41.394	60.8
1/10/2017 11:49	1740	41.776	60.8
1/10/2017 11:50	1800	41.494	60.8
1/10/2017 11:51	1860	41.408	60.8
1/10/2017 11:52	1920	41.474	60.8
1/10/2017 11:53	1980	41.519	60.8
1/10/2017 11:54	2040	41.492	60.8
1/10/2017 11:55	2100	41.398	60.8
1/10/2017 11:56	2160	41.643	60.8
1/10/2017 11:57	2220	41.336	60.8
1/10/2017 11:58	2280	41.744	60.8
1/10/2017 11:59	2340	41.489	60.8
1/10/2017 12:00	2400	41.708	60.8
1/10/2017 12:01	2460	41.601	60.8
1/10/2017 12:02	2520	41.848	60.8
1/10/2017 12:03	2580	41.493	60.8

1/10/2017 12:04	2640	41.804	60.8
1/10/2017 12:05	2700	41.686	60.8
1/10/2017 12:06	2760	41.602	60.8
1/10/2017 12:07	2820	41.6	60.8
1/10/2017 12:08	2880	41.148	60.8
1/10/2017 12:09	2940	41.155	60.8
1/10/2017 12:10	3000	41.242	60.8
1/10/2017 12:11	3060.021	41.233	60.8
1/10/2017 12:12	3120.095	41.257	60.8
1/10/2017 12:13	3180	40.869	60.8
1/10/2017 12:14	3240.02	41.17	60.8
1/10/2017 12:15	3300.108	41.551	60.8
1/10/2017 12:16	3360	40.851	60.8
1/10/2017 12:17	3420	41.034	60.8
1/10/2017 12:18	3480	40.93	60.8
1/10/2017 12:19	3540	41.077	60.8
1/10/2017 12:20	3600	41.26	60.8
1/10/2017 12:21	3660	41.066	60.8
1/10/2017 12:22	3720	40.82	60.8
1/10/2017 12:23	3780	41.015	60.8
1/10/2017 12:24	3840	40.856	60.8
1/10/2017 12:25	3900	40.739	60.8
1/10/2017 12:26	3960	40.907	60.8
1/10/2017 12:27	4020	40.987	60.8
1/10/2017 12:28	4080	40.999	60.8
1/10/2017 12:29	4140	40.72	60.8
1/10/2017 12:30	4200	40.79	60.8
1/10/2017 12:31	4260	40.912	60.8
1/10/2017 12:32	4320	40.493	60.8
1/10/2017 12:33	4380	40.824	60.8
1/10/2017 12:34	4440	40.835	60.8
1/10/2017 12:35	4500	40.798	60.8
1/10/2017 12:36	4560	40.531	60.8
1/10/2017 12:37	4620	40.987	60.8
1/10/2017 12:38	4680	40.66	60.8
1/10/2017 12:39	4740	40.836	60.8
1/10/2017 12:40	4800	40.475	60.8
1/10/2017 12:41	4860	40.78	60.8
1/10/2017 12:42	4920	40.593	60.8
1/10/2017 12:43	4980	40.73	60.8
1/10/2017 12:44	5040	40.793	60.8
1/10/2017 12:45	5100	40.99	60.8
1/10/2017 12:46	5160	40.929	60.8
1/10/2017 12:47	5220	40.921	60.8
1/10/2017 12:48	5280	41.134	60.8
1/10/2017 12:49	5340	40.724	60.8
1/10/2017 12:50	5400	40.578	60.8

1/10/2017 12:51	5460	40.773	60.8
1/10/2017 12:52	5520	40.718	60.8
1/10/2017 12:53	5580	40.428	60.8
1/10/2017 12:54	5640	40.522	60.8
1/10/2017 12:55	5700	40.746	60.8
1/10/2017 12:56	5760	40.559	60.8
1/10/2017 12:57	5820	40.6	60.8
1/10/2017 12:58	5880	40.672	60.8
1/10/2017 12:59	5940	40.485	60.8
1/10/2017 13:00	6000	40.792	60.8
1/10/2017 13:01	6060	41.017	60.8
1/10/2017 13:02	6120	40.742	60.8
1/10/2017 13:03	6180	40.892	60.8
1/10/2017 13:04	6240	40.546	60.8
1/10/2017 13:05	6300	40.546	60.8
1/10/2017 13:06	6360	40.828	60.8
1/10/2017 13:07	6420	40.694	60.8
1/10/2017 13:08	6480	40.637	60.8
1/10/2017 13:09	6540	40.779	60.8
1/10/2017 13:10	6600	40.54	60.8
1/10/2017 13:11	6660	40.89	60.8
1/10/2017 13:12	6720.051	40.774	60.8
1/10/2017 13:13	6780.171	40.621	60.8
1/10/2017 13:14	6840	40.538	60.8
1/10/2017 13:15	6900.05	40.6	60.8
1/10/2017 13:16	6960.155	41.112	60.8
1/10/2017 13:17	7020	40.885	60.8
1/10/2017 13:18	7080.042	40.463	60.8
1/10/2017 13:19	7140	40.555	60.8
1/10/2017 13:20	7200	40.512	60.8
1/10/2017 13:21	7260	41.28	100.8
1/10/2017 13:22	7320	41.128	100.8
1/10/2017 13:23	7380	41.262	100.8
1/10/2017 13:24	7440	41.059	100.8
1/10/2017 13:25	7500	41.379	100.8
1/10/2017 13:26	7560	41.646	100.8
1/10/2017 13:27	7620	41.704	100.8
1/10/2017 13:28	7680	41.619	100.8
1/10/2017 13:29	7740	41.252	100.8
1/10/2017 13:30	7800	41.371	100.8
1/10/2017 13:31	7860	41.67	100.8
1/10/2017 13:32	7920	41.832	100.8
1/10/2017 13:33	7980	41.427	100.8
1/10/2017 13:34	8040	41.569	100.8
1/10/2017 13:35	8100	41.341	100.8
1/10/2017 13:36	8160	41.588	100.8
1/10/2017 13:37	8220	41.71	100.8

1/10/2017 13:38	8280	41.668	100.8
1/10/2017 13:39	8340	41.592	100.8
1/10/2017 13:40	8400	41.596	100.8
1/10/2017 13:41	8460	41.591	100.8
1/10/2017 13:42	8520	41.65	100.8
1/10/2017 13:43	8580	41.508	100.8
1/10/2017 13:44	8640	41.276	100.8
1/10/2017 13:45	8700	41.525	100.8
1/10/2017 13:46	8760	41.619	100.8
1/10/2017 13:47	8820	41.745	100.8
1/10/2017 13:48	8880	41.591	100.8
1/10/2017 13:49	8940	42.338	100.8
1/10/2017 13:50	9000	41.841	100.8
1/10/2017 13:51	9060	41.822	100.8
1/10/2017 13:52	9120	41.616	100.8
1/10/2017 13:53	9180	41.675	100.8
1/10/2017 13:54	9240	41.568	100.8
1/10/2017 13:55	9300	41.354	100.8
1/10/2017 13:56	9360	41.747	100.8
1/10/2017 13:57	9420	41.756	100.8
1/10/2017 13:58	9480	41.764	100.8
1/10/2017 13:59	9540	41.984	100.8
1/10/2017 14:00	9600	41.333	100.8
1/10/2017 14:01	9660	41.981	100.8
1/10/2017 14:02	9720	41.675	100.8
1/10/2017 14:03	9780	42.058	100.8
1/10/2017 14:04	9840	41.574	100.8
1/10/2017 14:05	9900	41.278	100.8
1/10/2017 14:06	9960	41.828	100.8
1/10/2017 14:07	10020	41.669	100.8
1/10/2017 14:08	10080	41.744	100.8
1/10/2017 14:09	10140	41.645	100.8
1/10/2017 14:10	10200	41.864	100.8
1/10/2017 14:11	10260	41.861	100.8
1/10/2017 14:12	10320	41.81	100.8
1/10/2017 14:13	10380	41.917	100.8
1/10/2017 14:14	10440	42.036	100.8
1/10/2017 14:15	10500	41.473	100.8
1/10/2017 14:16	10560	41.7	100.8
1/10/2017 14:17	10620	41.954	100.8
1/10/2017 14:18	10680.035	41.736	100.8
1/10/2017 14:19	10740.107	41.87	100.8
1/10/2017 14:20	10800	41.899	100.8
1/10/2017 14:21	10860.018	41.698	100.8
1/10/2017 14:22	10920.106	41.937	100.8
1/10/2017 14:23	10980	41.606	100.8
1/10/2017 14:24	11040.01	42.024	100.8

1/10/2017 14:25	11100.098	41.627	100.8
1/10/2017 14:26	11160	41.551	100.8
1/10/2017 14:27	11220	41.887	100.8
1/10/2017 14:28	11280	41.69	100.8
1/10/2017 14:29	11340	42.031	100.8
1/10/2017 14:30	11400	41.747	100.8
1/10/2017 14:31	11460	41.902	100.8
1/10/2017 14:32	11520	41.813	100.8
1/10/2017 14:33	11580	41.524	100.8
1/10/2017 14:34	11640	41.779	100.8
1/10/2017 14:35	11700	41.948	100.8
1/10/2017 14:36	11760	41.463	100.8
1/10/2017 14:37	11820	41.789	100.8
1/10/2017 14:38	11880	42.124	100.8
1/10/2017 14:39	11940	42.028	100.8
1/10/2017 14:40	12000	41.868	100.8
1/10/2017 14:41	12060	41.698	100.8
1/10/2017 14:42	12120	41.602	100.8
1/10/2017 14:43	12180	42.327	100.8
1/10/2017 14:44	12240	41.916	100.8
1/10/2017 14:45	12300	42.121	100.8
1/10/2017 14:46	12360	42.005	100.8
1/10/2017 14:47	12420	41.528	100.8
1/10/2017 14:48	12480	42.218	100.8
1/10/2017 14:49	12540	41.813	100.8
1/10/2017 14:50	12600	42.108	100.8
1/10/2017 14:51	12660	41.739	100.8
1/10/2017 14:52	12720	41.654	100.8
1/10/2017 14:53	12780	42.092	100.8
1/10/2017 14:54	12840	41.981	100.8
1/10/2017 14:55	12900	41.796	100.8
1/10/2017 14:56	12960	41.643	100.8
1/10/2017 14:57	13020	41.876	100.8
1/10/2017 14:58	13080	42.059	100.8
1/10/2017 14:59	13140	42.197	100.8
1/10/2017 15:00	13200	41.653	100.8
1/10/2017 15:01	13260	41.765	100.8
1/10/2017 15:02	13320	41.963	100.8
1/10/2017 15:03	13380	41.836	100.8
1/10/2017 15:04	13440.022	41.689	100.8
1/10/2017 15:05	13500.096	41.922	100.8
1/10/2017 15:06	13560.185	42.012	100.8
1/10/2017 15:07	13620.006	41.921	100.8
1/10/2017 15:08	13680.078	41.822	100.8
1/10/2017 15:09	13740.169	41.777	100.8
1/10/2017 15:10	13800	41.636	100.8
1/10/2017 15:11	13860.086	41.97	100.8

1/10/2017 15:12	13920	42.052	100.8
1/10/2017 15:13	13980	41.959	100.8
1/10/2017 15:14	14040	41.63	100.8
1/10/2017 15:15	14100	41.891	100.8
1/10/2017 15:16	14160	41.614	100.8
1/10/2017 15:17	14220	42.21	100.8
1/10/2017 15:18	14280	42.227	100.8
1/10/2017 15:19	14340	42.013	100.8
1/10/2017 15:20	14400	41.899	100.8
1/10/2017 15:21	14460	43.054	200.9
1/10/2017 15:22	14520	43.126	200.9
1/10/2017 15:23	14580	42.977	200.9
1/10/2017 15:24	14640	43.249	200.9
1/10/2017 15:25	14700.18	44.483	200.9
1/10/2017 15:26	14760.015	43.783	200.9
1/10/2017 15:27	14820.104	43.18	200.9
1/10/2017 15:28	14880.193	43.543	200.9
1/10/2017 15:29	14940.008	44.12	200.9
1/10/2017 15:30	15000.096	44.083	200.9
1/10/2017 15:31	15060	44.089	200.9
1/10/2017 15:32	15120	44.15	200.9
1/10/2017 15:33	15180.003	43.972	200.9
1/10/2017 15:34	15240	44.013	200.9
1/10/2017 15:35	15300	44.794	200.9
1/10/2017 15:36	15360	44.633	200.9
1/10/2017 15:37	15420	44.186	200.9
1/10/2017 15:38	15480	44.209	200.9
1/10/2017 15:39	15540	44.173	200.9
1/10/2017 15:40	15600	44.716	200.9
1/10/2017 15:41	15660	44.65	200.9
1/10/2017 15:42	15720	44.725	200.9
1/10/2017 15:43	15780	43.64	200.9
1/10/2017 15:44	15840	44.666	200.9
1/10/2017 15:45	15900	43.898	200.9
1/10/2017 15:46	15960	44.682	200.9
1/10/2017 15:47	16020.009	44.543	200.9
1/10/2017 15:48	16080	44.346	200.9
1/10/2017 15:49	16140	44.743	200.9
1/10/2017 15:50	16200	44.71	200.9
1/10/2017 15:51	16260	44.655	200.9
1/10/2017 15:52	16320	44.967	200.9
1/10/2017 15:53	16380	44.664	200.9
1/10/2017 15:54	16440	45.031	200.9
1/10/2017 15:55	16500	45.451	200.9
1/10/2017 15:56	16560	44.632	200.9
1/10/2017 15:57	16620.077	44.914	200.9
1/10/2017 15:58	16680.166	45.442	200.9

1/10/2017 15:59	16740	44.7	200.9
1/10/2017 16:00	16800	44.814	200.9
1/10/2017 16:01	16860.056	44.57	200.9
1/10/2017 16:02	16920	45.141	200.9
1/10/2017 16:03	16980	44.928	200.9
1/10/2017 16:04	17040	44.864	200.9
1/10/2017 16:05	17100	44.902	200.9
1/10/2017 16:06	17160	44.747	200.9
1/10/2017 16:07	17220	45.208	200.9
1/10/2017 16:08	17280	44.726	200.9
1/10/2017 16:09	17340	45.353	200.9
1/10/2017 16:10	17400	45.704	200.9
1/10/2017 16:11	17460	44.678	200.9
1/10/2017 16:12	17520	44.907	200.9
1/10/2017 16:13	17580	45.508	200.9
1/10/2017 16:14	17640	44.626	200.9
1/10/2017 16:15	17700	45.187	200.9
1/10/2017 16:16	17760	44.722	200.9
1/10/2017 16:17	17820.038	45.07	200.9
1/10/2017 16:18	17880	45.095	200.9
1/10/2017 16:19	17940	45.406	200.9
1/10/2017 16:20	18000	45.389	200.9
1/10/2017 16:21	18060	44.976	200.9
1/10/2017 16:22	18120	45.344	200.9
1/10/2017 16:23	18180	45.584	200.9
1/10/2017 16:24	18240	45.345	200.9
1/10/2017 16:25	18300	44.738	200.9
1/10/2017 16:26	18360	45.016	200.9
1/10/2017 16:27	18420	45.919	200.9
1/10/2017 16:28	18480	44.782	200.9
1/10/2017 16:29	18540	44.902	200.9
1/10/2017 16:30	18600	44.831	200.9
1/10/2017 16:31	18660	45.276	200.9
1/10/2017 16:32	18720	45.684	200.9
1/10/2017 16:33	18780	45.496	200.9
1/10/2017 16:34	18840	45.203	200.9
1/10/2017 16:35	18900	45.288	200.9
1/10/2017 16:36	18960	45.478	200.9
1/10/2017 16:37	19020	45.234	200.9
1/10/2017 16:38	19080	45.028	200.9
1/10/2017 16:39	19140	45.133	200.9
1/10/2017 16:40	19200	44.956	200.9
1/10/2017 16:41	19260	45.129	200.9
1/10/2017 16:42	19320	45.815	200.9
1/10/2017 16:43	19380	44.86	200.9
1/10/2017 16:44	19440	45.256	200.9
1/10/2017 16:45	19500	45.611	200.9

1/10/2017 16:46	19560	45.279	200.9
1/10/2017 16:47	19620	45.265	200.9
1/10/2017 16:48	19680	45.006	200.9
1/10/2017 16:49	19740.026	45.442	200.9
1/10/2017 16:50	19800.145	45.606	200.9
1/10/2017 16:51	19860	45.5	200.9
1/10/2017 16:52	19920.04	45.067	200.9
1/10/2017 16:53	19980.128	44.71	200.9
1/10/2017 16:54	20040	44.991	200.9
1/10/2017 16:55	20100.031	45.224	200.9
1/10/2017 16:56	20160.135	45.32	200.9
1/10/2017 16:57	20220	45.173	200.9
1/10/2017 16:58	20280	45.2	200.9
1/10/2017 16:59	20340	45.442	200.9
1/10/2017 17:00	20400	45.682	200.9
1/10/2017 17:01	20460	45.097	200.9
1/10/2017 17:02	20520	45.012	200.9
1/10/2017 17:03	20580	45.309	200.9
1/10/2017 17:04	20640	45.341	200.9
1/10/2017 17:05	20700	44.743	200.9
1/10/2017 17:06	20760	45.396	200.9
1/10/2017 17:07	20820	45.423	200.9
1/10/2017 17:08	20880	45.532	200.9
1/10/2017 17:09	20940	45.385	200.9
1/10/2017 17:10	21000	44.993	200.9
1/10/2017 17:11	21060	45.166	200.9
1/10/2017 17:12	21120	45.135	200.9
1/10/2017 17:13	21180	45.254	200.9
1/10/2017 17:14	21240	45.424	200.9
1/10/2017 17:15	21300	45.257	200.9
1/10/2017 17:16	21360	45.137	200.9
1/10/2017 17:17	21420	45.679	200.9
1/10/2017 17:18	21480	45.209	200.9
1/10/2017 17:19	21540	45.334	200.9
1/10/2017 17:20	21600	45.924	200.9

Log File Properties City of Ralston, IA
File Name Well #2
Create Date Step Test Recovery

Log Configuration

Log Name Well 2 Step test recovery
Create Date 1/10/2017 5:23:03 PM Central Standard Time
Scheduled Start Time 1/10/2017 5:25:00 PM Central Standard Time
Type True Logarithmic
Max Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation

Level Measurement M Level Depth To Water
Specific Gravity 0.999
Level Reference Mod Set new reference
Level Reference Value 45.579 (ft)
Level Reference Head Pre: 5.94158 (PSI)

Other Log Settings

Depth of Probe: 13.6387 (ft)
Head Pressure: 5.90685 (PSI)
Temperature: 12.0891 (C)

Date and Time	Elapsed Time		Water Level
	Seconds		
1/10/2017 17:25	0		46.438
1/10/2017 17:25	0.25		45.982
1/10/2017 17:25	0.5		46.367
1/10/2017 17:25	0.75		46.2
1/10/2017 17:25	1.099		46.308
1/10/2017 17:25	1.318		46.225
1/10/2017 17:25	1.738		45.931
1/10/2017 17:25	2.16		46.33
1/10/2017 17:25	2.378		46.455
1/10/2017 17:25	2.597		46.73
1/10/2017 17:25	2.815		45.966
1/10/2017 17:25	3.034		46.367
1/10/2017 17:25	3.253		46.252
1/10/2017 17:25	3.472		46.25
1/10/2017 17:25	3.69		46.226
1/10/2017 17:25	3.909		46.297
1/10/2017 17:25	4.128		46.555
1/10/2017 17:25	4.346		46.199
1/10/2017 17:25	4.565		45.927
1/10/2017 17:25	4.784		46.325
1/10/2017 17:25	5.003		45.962
1/10/2017 17:25	5.25		45.455
1/10/2017 17:25	5.5		45.998
1/10/2017 17:25	5.75		46.494
1/10/2017 17:25	6.099		46.481
1/10/2017 17:25	6.524		46.347
1/10/2017 17:25	6.744		45.414
1/10/2017 17:25	7.169		46.355
1/10/2017 17:25	7.571		46.287
1/10/2017 17:25	7.98		46.318
1/10/2017 17:25	8.46		46.353
1/10/2017 17:25	9		46.833
1/10/2017 17:25	9.48		46.386
1/10/2017 17:25	10.08		46.095
1/10/2017 17:25	10.68		46.51
1/10/2017 17:25	11.308		46.011
1/10/2017 17:25	11.94		46.304
1/10/2017 17:25	12.66		46.059
1/10/2017 17:25	13.44		45.789
1/10/2017 17:25	14.22		46.097
1/10/2017 17:25	15.06		44.766
1/10/2017 17:25	15.963		44.748
1/10/2017 17:25	16.92		43.759
1/10/2017 17:25	17.88		43.102
1/10/2017 17:25	18.96		42.877

1/10/2017 17:25	20.1		42.981
1/10/2017 17:25	21.3		43.381
1/10/2017 17:25	22.56		43.767
1/10/2017 17:25	24.083		43.839
1/10/2017 17:25	25.32		43.841
1/10/2017 17:25	26.82		43.736
1/10/2017 17:25	28.38		43.648
1/10/2017 17:25	30.06		43.643
1/10/2017 17:25	31.86		43.658
1/10/2017 17:25	33.72		43.651
1/10/2017 17:25	35.76		43.602
1/10/2017 17:25	37.86		43.615
1/10/2017 17:25	40.08		43.596
1/10/2017 17:25	42.48		43.559
1/10/2017 17:25	45		43.555
1/10/2017 17:25	47.64		43.515
1/10/2017 17:25	50.46		43.518
1/10/2017 17:25	53.46		43.47
1/10/2017 17:25	56.827		43.465
1/10/2017 17:26	60		43.436
1/10/2017 17:26	63.6		43.42
1/10/2017 17:26	67.2		43.377
1/10/2017 17:26	71.599		43.388
1/10/2017 17:26	75.6		43.37
1/10/2017 17:26	79.8		43.342
1/10/2017 17:26	84.6		43.332
1/10/2017 17:26	90		43.284
1/10/2017 17:26	94.8		43.277
1/10/2017 17:26	100.8		43.262
1/10/2017 17:26	106.8		43.223
1/10/2017 17:26	112.8		43.202
1/10/2017 17:26	119.399		43.156
1/10/2017 17:27	126.682		43.144
1/10/2017 17:27	134.399		43.11
1/10/2017 17:27	142.2		43.082
1/10/2017 17:27	150.6		43.069
1/10/2017 17:27	159.6		43.031
1/10/2017 17:27	169.2		42.995
1/10/2017 17:27	178.8		42.967
1/10/2017 17:28	189.599		42.93
1/10/2017 17:28	201		42.89
1/10/2017 17:28	213		42.857
1/10/2017 17:28	225.599		42.825
1/10/2017 17:28	238.8		42.791
1/10/2017 17:29	253.2		42.755
1/10/2017 17:29	268.2		42.715
1/10/2017 17:29	283.8		42.671

1/10/2017 17:30	300.6	42.636
1/10/2017 17:30	318.6	42.562
1/10/2017 17:30	337.2	42.512
1/10/2017 17:30	357.6	42.47
1/10/2017 17:31	378.6	42.433
1/10/2017 17:31	400.8	42.391
1/10/2017 17:32	424.8	42.341
1/10/2017 17:32	450	42.298
1/10/2017 17:32	476.4	42.249
1/10/2017 17:33	504.6	42.201
1/10/2017 17:33	534.6	42.164
1/10/2017 17:34	566.4	42.1
1/10/2017 17:35	600	42.047
1/10/2017 17:35	636	42.002
1/10/2017 17:36	672	41.949
1/10/2017 17:36	714	41.91
1/10/2017 17:37	756	41.841
1/10/2017 17:38	798	41.795
1/10/2017 17:39	846	41.74
1/10/2017 17:40	900	41.688
1/10/2017 17:40	948	41.641
1/10/2017 17:41	1008	41.576
1/10/2017 17:42	1068	41.532
1/10/2017 17:43	1128	41.46
1/10/2017 17:44	1194	41.416
1/10/2017 17:46	1266	41.337
1/10/2017 17:47	1344	41.29
1/10/2017 17:48	1422	41.252
1/10/2017 17:50	1506	41.206
1/10/2017 17:51	1596	41.138
1/10/2017 17:53	1692	41.082
1/10/2017 17:54	1788	41.032
1/10/2017 17:56	1896	40.986
1/10/2017 17:58	2010	40.944
1/10/2017 18:00	2130	40.882
1/10/2017 18:02	2256	40.844
1/10/2017 18:04	2388	40.786
1/10/2017 18:07	2532	40.746
1/10/2017 18:09	2682	40.702
1/10/2017 18:12	2838	40.653
1/10/2017 18:15	3006	40.601
1/10/2017 18:18	3186	40.568
1/10/2017 18:21	3372	40.531
1/10/2017 18:24	3576	40.48
1/10/2017 18:28	3786	40.465
1/10/2017 18:31	4008	40.413
1/10/2017 18:35	4248	40.379

1/10/2017 18:40	4500	40.353
1/10/2017 18:44	4764	40.313
1/10/2017 18:49	5046	40.281
1/10/2017 18:54	5346	40.247
1/10/2017 18:59	5664	40.228
1/10/2017 19:05	6000	40.206
1/10/2017 19:11	6360	40.168
1/10/2017 19:17	6720	40.141
1/10/2017 19:24	7140	40.128
1/10/2017 19:31	7560	40.114
1/10/2017 19:38	7980	40.089
1/10/2017 19:46	8460	40.072
1/10/2017 19:55	9000	40.066
1/10/2017 20:03	9480	40.047
1/10/2017 20:13	10080	40.029
1/10/2017 20:23	10680	40.01
1/10/2017 20:33	11280	39.997
1/10/2017 20:44	11940	39.987
1/10/2017 20:56	12660	39.982
1/10/2017 21:09	13440	39.962
1/10/2017 21:22	14220	39.941
1/10/2017 21:36	15060	39.927
1/10/2017 21:51	15960	39.905
1/10/2017 22:06	16860	39.882
1/10/2017 22:21	17760	39.864
1/10/2017 22:36	18660	39.849
1/10/2017 22:51	19560	39.822
1/10/2017 23:06	20460	39.81
1/10/2017 23:21	21360	39.795
1/10/2017 23:36	22260	39.806
1/10/2017 23:51	23160	39.792
1/11/2017 0:06	24060	39.751
1/11/2017 0:21	24960	39.75
1/11/2017 0:36	25860	39.724
1/11/2017 0:51	26760	39.722
1/11/2017 1:06	27660	39.713
1/11/2017 1:21	28560	39.7
1/11/2017 1:36	29460	39.679
1/11/2017 1:51	30360	39.67
1/11/2017 2:06	31260	39.657
1/11/2017 2:21	32160	39.639
1/11/2017 2:36	33060	39.638
1/11/2017 2:51	33960	39.632
1/11/2017 3:06	34860	39.626
1/11/2017 3:21	35760	39.599
1/11/2017 3:36	36660	39.607
1/11/2017 3:51	37560	39.607

1/11/2017 4:06	38460	39,587
1/11/2017 4:21	39360	39,567
1/11/2017 4:36	40260	39,575
1/11/2017 4:51	41160	39,589
1/11/2017 5:06	42060	39,593
1/11/2017 5:21	42960	39,594
1/11/2017 5:36	43860	39,594
1/11/2017 5:51	44760	39,595
1/11/2017 6:06	45660	39,59
1/11/2017 6:21	46560	39,588
1/11/2017 6:36	47460	39,598
1/11/2017 6:51	48360	39,593
1/11/2017 7:06	49260	39,577
1/11/2017 7:21	50160	39,563
1/11/2017 7:36	51060	39,542
1/11/2017 7:51	51960	39,525
1/11/2017 8:06	52860	39,504
1/11/2017 8:21	53760	39,475
1/11/2017 8:36	54660	39,459

Log File Properties City of Ralston
File Name Well #2
Create Date Constant Rate Test

Log Configuration

Log Name well 2 24hr constant rate
Create Date 1/11/2017 8:46:46 AM Central Standard Time
Scheduled Start Time 1/11/2017 9:00:00 AM Central Standard Time
Type True Logarithmic
Max Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation

Level Measurement Level Depth To Water
Specific Gravity 0.999
Level Reference I Set new reference
Level Reference V 39 (ft)
Level Reference Head 8.58525 (PSI)

Other Log Settings

Depth of Probe: 19.8294 (ft)
Head Pressure: 8.58798 (PSI)
Temperature: 14.2541 (C)

Constant Rate

Date and Time	Elapsed Time Seconds	Water	
		Level	GPM
1/11/2017 9:00	0	38.9	120.3
1/11/2017 9:00	0.349	38.952	120.3
1/11/2017 9:00	0.568	38.955	120.3
1/11/2017 9:00	0.99	38.944	120.3
1/11/2017 9:00	1.412	38.945	120.3
1/11/2017 9:00	1.631	38.938	120.3
1/11/2017 9:00	1.85	38.942	120.3
1/11/2017 9:00	2.069	38.934	120.3
1/11/2017 9:00	2.287	38.938	120.3
1/11/2017 9:00	2.506	38.937	120.3
1/11/2017 9:00	2.725	38.947	120.3
1/11/2017 9:00	2.944	38.926	120.3
1/11/2017 9:00	3.164	38.946	120.3
1/11/2017 9:00	3.382	38.936	120.3
1/11/2017 9:00	3.601	38.938	120.3
1/11/2017 9:00	3.82	38.932	120.3
1/11/2017 9:00	4.039	38.94	120.3
1/11/2017 9:00	4.257	38.936	120.3
1/11/2017 9:00	4.501	38.943	120.3
1/11/2017 9:00	4.751	38.942	120.3
1/11/2017 9:00	5.001	38.922	120.3
1/11/2017 9:00	5.349	38.964	120.3
1/11/2017 9:00	5.568	38.949	120.3
1/11/2017 9:00	5.99	38.965	120.3
1/11/2017 9:00	6.412	38.946	120.3
1/11/2017 9:00	6.633	38.937	120.3
1/11/2017 9:00	6.854	42.567	120.3
1/11/2017 9:00	7.14	39.243	120.3
1/11/2017 9:00	7.56	40.536	120.3
1/11/2017 9:00	7.98	41.235	120.3
1/11/2017 9:00	8.461	41.936	120.3
1/11/2017 9:00	9	42.5	120.3
1/11/2017 9:00	9.48	43.139	120.3
1/11/2017 9:00	10.08	43.68	120.3
1/11/2017 9:00	10.68	43.696	120.3
1/11/2017 9:00	11.333	43.686	120.3
1/11/2017 9:00	12.029	43.397	120.3
1/11/2017 9:00	12.66	43.209	120.3
1/11/2017 9:00	13.44	42.928	120.3
1/11/2017 9:00	14.22	43.325	120.3
1/11/2017 9:00	15.06	42.396	120.3
1/11/2017 9:00	15.976	42.516	120.3
1/11/2017 9:00	16.92	41.76	120.3
1/11/2017 9:00	17.88	41.197	120.3
1/11/2017 9:00	18.96	40.251	120.3

1/11/2017 9:00	20.1	39.689	120.3
1/11/2017 9:00	21.347	40.429	120.3
1/11/2017 9:00	22.56	41.863	120.3
1/11/2017 9:00	23.88	42.169	120.3
1/11/2017 9:00	25.32	41.566	120.3
1/11/2017 9:00	26.912	39.777	120.3
1/11/2017 9:00	28.38	39.203	120.3
1/11/2017 9:00	30.06	39.87	120.3
1/11/2017 9:00	31.86	39.335	120.3
1/11/2017 9:00	33.72	39.683	120.3
1/11/2017 9:00	35.849	39.78	120.3
1/11/2017 9:00	37.86	39.687	120.3
1/11/2017 9:00	40.08	39.066	120.3
1/11/2017 9:00	42.48	39.509	120.3
1/11/2017 9:00	45	39.517	120.3
1/11/2017 9:00	47.683	39.474	120.3
1/11/2017 9:00	50.589	39.627	120.3
1/11/2017 9:00	53.46	39.671	120.3
1/11/2017 9:00	56.64	39.549	120.3
1/11/2017 9:01	60	39.645	120.3
1/11/2017 9:01	63.6	39.673	120.3
1/11/2017 9:01	67.2	39.856	120.3
1/11/2017 9:01	71.4	40.221	120.3
1/11/2017 9:01	75.626	41.038	120.3
1/11/2017 9:01	79.8	43.353	120.3
1/11/2017 9:01	84.6	43.035	120.3
1/11/2017 9:01	90	43.022	120.3
1/11/2017 9:01	94.8	43.281	120.3
1/11/2017 9:01	100.929	43.126	120.3
1/11/2017 9:01	106.8	43.444	120.3
1/11/2017 9:01	112.8	43.545	120.3
1/11/2017 9:01	119.4	43.623	120.3
1/11/2017 9:02	126.6	43.736	120.3
1/11/2017 9:02	134.4	43.563	120.3
1/11/2017 9:02	142.2	43.601	120.3
1/11/2017 9:02	150.753	43.525	120.3
1/11/2017 9:02	159.6	43.653	120.3
1/11/2017 9:02	169.2	42.462	120.3
1/11/2017 9:02	178.8	42.725	120.3
1/11/2017 9:03	189.6	42.197	120.3
1/11/2017 9:03	201.107	41.253	120.3
1/11/2017 9:03	213	41.513	120.3
1/11/2017 9:03	225.6	41.027	120.3
1/11/2017 9:03	238.8	40.851	120.3
1/11/2017 9:04	253.2	41.531	120.3
1/11/2017 9:04	268.2	41.176	120.3
1/11/2017 9:04	283.8	41.05	120.3

Constant Rate

1/11/2017 9:05	300.698	41.392	120.3
1/11/2017 9:05	318.6	41.39	120.3
1/11/2017 9:05	337.2	41.315	120.3
1/11/2017 9:05	357.6	41.471	120.3
1/11/2017 9:06	378.6	41.454	120.3
1/11/2017 9:06	400.861	41.443	120.3
1/11/2017 9:07	424.8	41.634	120.3
1/11/2017 9:07	450	41.377	120.3
1/11/2017 9:07	476.512	41.492	120.3
1/11/2017 9:08	504.6	41.65	120.3
1/11/2017 9:08	534.6	41.216	120.3
1/11/2017 9:09	566.41	41.616	120.3
1/11/2017 9:10	600	41.467	120.3
1/11/2017 9:10	636	41.561	120.3
1/11/2017 9:11	672	41.943	120.3
1/11/2017 9:11	714	41.59	120.3
1/11/2017 9:12	756	41.493	120.3
1/11/2017 9:13	798	41.967	120.3
1/11/2017 9:14	846	41.567	120.3
1/11/2017 9:15	900	41.994	120.3
1/11/2017 9:15	948	41.929	120.3
1/11/2017 9:16	1008	42.008	120.3
1/11/2017 9:17	1068	41.586	120.3
1/11/2017 9:18	1128	42.198	120.3
1/11/2017 9:19	1194	41.76	120.3
1/11/2017 9:21	1266	41.8	120.3
1/11/2017 9:22	1344	42.192	120.3
1/11/2017 9:23	1422	41.905	120.3
1/11/2017 9:25	1506	41.899	120.3
1/11/2017 9:26	1596	42.107	120.3
1/11/2017 9:28	1692	42.101	120.3
1/11/2017 9:29	1788	42.254	120.3
1/11/2017 9:31	1896	42.106	120.3
1/11/2017 9:33	2010	42.098	120.3
1/11/2017 9:35	2130	42.252	120.3
1/11/2017 9:37	2256	42.64	120.3
1/11/2017 9:39	2388	42.537	120.3
1/11/2017 9:42	2532	42.343	120.3
1/11/2017 9:44	2682	42.362	120.3
1/11/2017 9:47	2838	42.771	120.3
1/11/2017 9:50	3006	42.259	120.3
1/11/2017 9:53	3186	42.683	120.3
1/11/2017 9:56	3372	42.677	120.3
1/11/2017 9:59	3576	42.519	120.3
1/11/2017 10:03	3786	42.714	120.3
1/11/2017 10:06	4008	42.601	120.3
1/11/2017 10:10	4248	42.364	120.3

1/11/2017 10:15	4500	42.848	120.3
1/11/2017 10:19	4764	42.715	120.3
1/11/2017 10:24	5046	42.572	120.3
1/11/2017 10:29	5346	42.842	120.3
1/11/2017 10:34	5664	42.749	120.3
1/11/2017 10:40	6000	43.124	120.3
1/11/2017 10:46	6360	43.009	120.3
1/11/2017 10:52	6720	42.706	120.3
1/11/2017 10:59	7140	43.491	120.3
1/11/2017 11:06	7560	43.656	120.3
1/11/2017 11:13	7980	43.693	120.3
1/11/2017 11:21	8460	43.676	120.3
1/11/2017 11:30	9000	44.222	120.3
1/11/2017 11:38	9480	44.144	120.3
1/11/2017 11:48	10080	44.406	120.3
1/11/2017 11:58	10680	44.168	120.3
1/11/2017 12:08	11280	44.485	120.3
1/11/2017 12:19	11940	44.343	120.3
1/11/2017 12:31	12660	44.549	120.3
1/11/2017 12:44	13440	44.539	120.3
1/11/2017 12:57	14220	44.123	120.3
1/11/2017 13:11	15060	43.611	120.3
1/11/2017 13:26	15960	43.506	120.3
1/11/2017 13:41	16860	43.507	120.3
1/11/2017 13:56	17760	43.512	120.3
1/11/2017 14:11	18660	43.877	120.3
1/11/2017 14:26	19560	43.495	120.3
1/11/2017 14:41	20460	43.561	120.3
1/11/2017 14:56	21360	43.357	120.3
1/11/2017 15:11	22260	43.377	120.3
1/11/2017 15:26	23160	43.686	120.3
1/11/2017 15:41	24060	43.463	120.3
1/11/2017 15:56	24960	43.375	120.3
1/11/2017 16:11	25860	43.436	120.3
1/11/2017 16:26	26760	43.456	120.3
1/11/2017 16:41	27660	43.977	120.3
1/11/2017 16:56	28560	43.441	120.3
1/11/2017 17:11	29460	43.543	120.3
1/11/2017 17:26	30360	43.52	120.3
1/11/2017 17:41	31260	43.561	120.3
1/11/2017 17:56	32160	43.605	120.3
1/11/2017 18:11	33060	43.462	120.3
1/11/2017 18:26	33960	44.084	120.3
1/11/2017 18:41	34860	43.616	120.3
1/11/2017 18:56	35760	43.508	120.3
1/11/2017 19:11	36660	43.658	120.3
1/11/2017 19:26	37560	43.468	120.3

Constant Rate

1/11/2017 19:41	38460	43.818	120.3
1/11/2017 19:56	39360	43.623	120.3
1/11/2017 20:11	40260	43.601	120.3
1/11/2017 20:26	41160	43.966	120.3
1/11/2017 20:41	42060	43.681	120.3
1/11/2017 20:56	42960	43.545	120.3
1/11/2017 21:11	43860	43.873	120.3
1/11/2017 21:26	44760	43.726	120.3
1/11/2017 21:41	45660	43.934	120.3
1/11/2017 21:56	46560	43.692	120.3
1/11/2017 22:11	47460	43.546	120.3
1/11/2017 22:26	48360	43.667	120.3
1/11/2017 22:41	49260	43.701	120.3
1/11/2017 22:56	50160	43.513	120.3
1/11/2017 23:11	51060	43.589	120.3
1/11/2017 23:26	51960	43.693	120.3
1/11/2017 23:41	52860	43.797	120.3
1/11/2017 23:56	53760	43.813	120.3
1/12/2017 0:11	54660	44.005	120.3
1/12/2017 0:26	55560	43.784	120.3
1/12/2017 0:41	56460	43.833	120.3
1/12/2017 0:56	57360	43.889	120.3
1/12/2017 1:11	58260	44.143	120.3
1/12/2017 1:26	59160	44.067	120.3
1/12/2017 1:41	60060	43.898	120.3
1/12/2017 1:56	60960	43.652	120.3
1/12/2017 2:11	61860	43.712	120.3
1/12/2017 2:26	62760	43.824	120.3
1/12/2017 2:41	63660	43.838	120.3
1/12/2017 2:56	64560	43.856	120.3
1/12/2017 3:11	65460	43.736	120.3
1/12/2017 3:26	66360	43.939	120.3
1/12/2017 3:41	67260	44.037	120.3
1/12/2017 3:56	68160	44.003	120.3
1/12/2017 4:11	69060	43.944	120.3
1/12/2017 4:26	69960	43.866	120.3
1/12/2017 4:41	70860	43.915	120.3
1/12/2017 4:56	71760	44.179	120.3
1/12/2017 5:11	72660	44.092	120.3
1/12/2017 5:26	73560	43.955	120.3
1/12/2017 5:41	74460	44.181	120.3
1/12/2017 5:56	75360	44.222	120.3
1/12/2017 6:11	76260	43.962	120.3
1/12/2017 6:26	77160	44.46	120.3
1/12/2017 6:41	78060	44.018	120.3
1/12/2017 6:56	78960	44.138	120.3
1/12/2017 7:11	79860	44.392	120.3

1/12/2017 7:26	80760	44.111	120.3
1/12/2017 7:41	81660	44.194	120.3
1/12/2017 7:56	82560	43.709	120.3
1/12/2017 8:11	83460	44.402	120.3
1/12/2017 8:26	84360	44.073	120.3
1/12/2017 8:41	85260	43.965	120.3
1/12/2017 8:56	86160	43.89	120.3

Log File Properties City of Ralston, IA
File Name Well #2
Create Date Constant Rate Recovery

Log Configuration

Log Name well 2 24hr constant recovery
Create Date 1/12/2017 9:04:24 AM Central Standard Time
Scheduled Start Time 1/12/2017 9:05:00 AM Central Standard Time
Type True Logarithmic
Max Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation

Level Measureme Level Depth To Water
Specific Gravity 0.999
Level Reference I Set new reference
Level Reference V 44.112 (ft)
Level Reference Head 6.29374 (PSI)

Other Log Settings

Depth of Probe: 14.6588 (ft)
Head Pressure: 6.34865 (PSI)
Temperature: 12.0731 (C)

Constant Rate Recovery

Date and Time	Elapsed Time Seconds	Water Level
1/12/2017 9:05	0	43.684
1/12/2017 9:05	0.25	43.8
1/12/2017 9:05	0.5	43.702
1/12/2017 9:05	0.982	43.806
1/12/2017 9:05	1.201	43.858
1/12/2017 9:05	1.42	43.727
1/12/2017 9:05	1.639	44.111
1/12/2017 9:05	2.143	43.912
1/12/2017 9:05	2.362	43.886
1/12/2017 9:05	2.581	43.759
1/12/2017 9:05	2.799	43.977
1/12/2017 9:05	3.304	43.874
1/12/2017 9:05	3.524	43.787
1/12/2017 9:05	3.744	43.925
1/12/2017 9:05	3.969	43.851
1/12/2017 9:05	4.187	43.933
1/12/2017 9:05	4.537	43.836
1/12/2017 9:05	4.755	44.011
1/12/2017 9:05	4.974	43.892
1/12/2017 9:05	5.193	43.939
1/12/2017 9:05	5.412	44.023
1/12/2017 9:05	5.63	44.137
1/12/2017 9:05	6.051	43.892
1/12/2017 9:05	6.481	43.956
1/12/2017 9:05	6.7	43.82
1/12/2017 9:05	6.92	43.868
1/12/2017 9:05	7.14	43.848
1/12/2017 9:05	7.36	43.687
1/12/2017 9:05	7.58	44.007
1/12/2017 9:05	7.98	43.859
1/12/2017 9:05	8.515	43.821
1/12/2017 9:05	9	44.05
1/12/2017 9:05	9.48	43.959
1/12/2017 9:05	10.08	44.049
1/12/2017 9:05	10.68	43.918
1/12/2017 9:05	11.28	43.9
1/12/2017 9:05	11.94	43.864
1/12/2017 9:05	12.66	44.181
1/12/2017 9:05	13.522	44.072
1/12/2017 9:05	14.22	42.386
1/12/2017 9:05	15.06	43.021
1/12/2017 9:05	15.96	42.513
1/12/2017 9:05	16.92	42.014
1/12/2017 9:05	17.88	41.78
1/12/2017 9:05	19.086	41.778

1/12/2017 9:05	20.1	41.981
1/12/2017 9:05	21.3	42.256
1/12/2017 9:05	22.56	42.43
1/12/2017 9:05	23.88	42.513
1/12/2017 9:05	25.32	42.466
1/12/2017 9:05	26.82	42.402
1/12/2017 9:05	28.622	42.338
1/12/2017 9:05	30.06	42.364
1/12/2017 9:05	32.112	42.357
1/12/2017 9:05	33.72	42.381
1/12/2017 9:05	35.76	42.388
1/12/2017 9:05	37.86	42.38
1/12/2017 9:05	40.08	42.37
1/12/2017 9:05	42.48	42.358
1/12/2017 9:05	45	42.338
1/12/2017 9:05	47.64	42.329
1/12/2017 9:05	50.46	42.331
1/12/2017 9:05	53.46	42.274
1/12/2017 9:05	56.64	42.213
1/12/2017 9:06	60	42.216
1/12/2017 9:06	63.704	42.236
1/12/2017 9:06	67.199	42.221
1/12/2017 9:06	71.4	42.223
1/12/2017 9:06	75.6	42.217
1/12/2017 9:06	79.8	42.215
1/12/2017 9:06	84.6	42.214
1/12/2017 9:06	90	42.211
1/12/2017 9:06	94.8	42.168
1/12/2017 9:06	100.8	42.2
1/12/2017 9:06	106.8	42.181
1/12/2017 9:06	112.8	42.162
1/12/2017 9:06	119.399	42.156
1/12/2017 9:07	126.6	42.138
1/12/2017 9:07	134.399	42.127
1/12/2017 9:07	142.199	42.117
1/12/2017 9:07	150.6	42.097
1/12/2017 9:07	159.6	42.077
1/12/2017 9:07	169.199	42.061
1/12/2017 9:07	178.874	42.051
1/12/2017 9:08	189.599	42.032
1/12/2017 9:08	201	41.995
1/12/2017 9:08	213	41.98
1/12/2017 9:08	225.599	41.939
1/12/2017 9:08	238.8	41.925
1/12/2017 9:09	253.199	41.923
1/12/2017 9:09	268.199	41.882
1/12/2017 9:09	283.799	41.844

Constant Rate Recovery

1/12/2017 9:10	300.599	41.835
1/12/2017 9:10	318.599	41.812
1/12/2017 9:10	337.199	41.781
1/12/2017 9:10	357.599	41.751
1/12/2017 9:11	378.599	41.739
1/12/2017 9:11	400.799	41.702
1/12/2017 9:12	424.808	41.673
1/12/2017 9:12	450	41.649
1/12/2017 9:12	476.399	41.596
1/12/2017 9:13	504.642	41.589
1/12/2017 9:13	534.702	41.557
1/12/2017 9:14	566.399	41.525
1/12/2017 9:15	600.065	41.49
1/12/2017 9:15	635.999	41.461
1/12/2017 9:16	672	41.439
1/12/2017 9:16	714	41.392
1/12/2017 9:17	756	41.354
1/12/2017 9:18	798	41.327
1/12/2017 9:19	846	41.289
1/12/2017 9:20	900	41.27
1/12/2017 9:20	948	41.228
1/12/2017 9:21	1008	41.179
1/12/2017 9:22	1068	41.17
1/12/2017 9:23	1128	41.122
1/12/2017 9:24	1194	41.085
1/12/2017 9:26	1265.999	41.049
1/12/2017 9:27	1344	40.991
1/12/2017 9:28	1422	40.959
1/12/2017 9:30	1506	40.938
1/12/2017 9:31	1596	40.896
1/12/2017 9:33	1692	40.859
1/12/2017 9:34	1788	40.828
1/12/2017 9:36	1896	40.797
1/12/2017 9:38	2010	40.774
1/12/2017 9:40	2130	40.728
1/12/2017 9:42	2256	40.706
1/12/2017 9:44	2388	40.665
1/12/2017 9:47	2532	40.644
1/12/2017 9:49	2682	40.602
1/12/2017 9:52	2838	40.583
1/12/2017 9:55	3006	40.542
1/12/2017 9:58	3186	40.527
1/12/2017 10:01	3372	40.501
1/12/2017 10:04	3576	40.459
1/12/2017 10:08	3786	40.428
1/12/2017 10:11	4008	40.414
1/12/2017 10:15	4248	40.879

1/12/2017 10:20	4500	41.024
1/12/2017 10:24	4764	41.164
1/12/2017 10:29	5046	41.234
1/12/2017 10:34	5346	41.289
1/12/2017 10:39	5664	41.344
1/12/2017 10:45	6000	41.386
1/12/2017 10:51	6360	41.423
1/12/2017 10:57	6720	41.445
1/12/2017 11:04	7140	41.471
1/12/2017 11:11	7560	41.493
1/12/2017 11:18	7980	41.486
1/12/2017 11:26	8460	41.498
1/12/2017 11:35	9000	41.521
1/12/2017 11:43	9480	41.533
1/12/2017 11:53	10080	41.532
1/12/2017 12:03	10680	41.541
1/12/2017 12:13	11280	40.931
1/12/2017 12:24	11940	40.637
1/12/2017 12:36	12660	40.467
1/12/2017 12:49	13440	40.357
1/12/2017 13:02	14220	40.258
1/12/2017 13:16	15060	40.203
1/12/2017 13:31	15960	40.144
1/12/2017 13:46	16860	40.122
1/12/2017 14:01	17760	40.078
1/12/2017 14:16	18660	40.045
1/12/2017 14:31	19560	40.004
1/12/2017 14:46	20460	40.006
1/12/2017 15:01	21360	40.002
1/12/2017 15:16	22260	39.971
1/12/2017 15:31	23160	39.934
1/12/2017 15:46	24060	39.929
1/12/2017 16:01	24960	39.902
1/12/2017 16:16	25860	39.884
1/12/2017 16:31	26760	39.86
1/12/2017 16:46	27660	39.853
1/12/2017 17:01	28560	39.817
1/12/2017 17:16	29460	39.793
1/12/2017 17:31	30360	39.761
1/12/2017 17:46	31260	39.752
1/12/2017 18:01	32160	39.745
1/12/2017 18:16	33060	39.721
1/12/2017 18:31	33960	39.713
1/12/2017 18:46	34860	39.709
1/12/2017 19:01	35760	39.698
1/12/2017 19:16	36660	39.694
1/12/2017 19:31	37560	39.697

Constant Rate Recovery

1/12/2017 19:46	38460	39,704
1/12/2017 20:01	39360	39,707
1/12/2017 20:16	40260	39,713
1/12/2017 20:31	41160	39,72
1/12/2017 20:46	42060	39,721
1/12/2017 21:01	42960	39,711
1/12/2017 21:16	43860	39,73
1/12/2017 21:31	44760	39,719
1/12/2017 21:46	45660	39,701
1/12/2017 22:01	46560	39,672
1/12/2017 22:16	47460	39,657
1/12/2017 22:31	48360	39,627
1/12/2017 22:46	49260	39,608
1/12/2017 23:01	50160	39,59
1/12/2017 23:16	51060	39,567
1/12/2017 23:31	51960	39,546
1/12/2017 23:46	52860	39,533
1/13/2017 0:01	53760	39,509
1/13/2017 0:16	54660	39,505
1/13/2017 0:31	55560	39,512
1/13/2017 0:46	56460	39,521
1/13/2017 1:01	57360	39,508
1/13/2017 1:16	58260	39,522
1/13/2017 1:31	59160	39,53
1/13/2017 1:46	60060	39,54
1/13/2017 2:01	60960	39,55
1/13/2017 2:16	61860	39,558
1/13/2017 2:31	62760	39,536
1/13/2017 2:46	63660	39,538
1/13/2017 3:01	64560	40,326
1/13/2017 3:16	65460	40,583
1/13/2017 3:31	66360	40,7
1/13/2017 3:46	67260	40,781
1/13/2017 4:01	68160	40,821
1/13/2017 4:16	69060	40,858
1/13/2017 4:31	69960	40,472
1/13/2017 4:46	70860	40,042
1/13/2017 5:01	71760	39,873
1/13/2017 5:16	72660	39,756
1/13/2017 5:31	73560	39,681
1/13/2017 5:46	74460	39,629
1/13/2017 6:01	75360	39,603
1/13/2017 6:16	76260	39,573
1/13/2017 6:31	77160	39,546
1/13/2017 6:46	78060	39,537
1/13/2017 7:01	78960	39,518
1/13/2017 7:16	79860	39,507

1/13/2017 7:31	80760	39,48
1/13/2017 7:46	81660	39,488
1/13/2017 8:01	82560	39,48
1/13/2017 8:16	83460	39,467
1/13/2017 8:31	84360	39,455
1/13/2017 8:46	85260	39,448
1/13/2017 9:01	86160	39,439