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CRITERION
CATALYSTS & TECHNOLOGIES, LP

RECEIVED
MAR 02 2011
UIC BRANCH
EPA, REGION 5

February 15, 2011

Mr. William Tong
United States Environmental Protection Agency
77 West Jackson Blvd (WU-16J)
Chicago, Illinois 60604-3590
ATTN: UIC Branch, Direct Implementation

Re: UIC Permits IN-091-1I-0001 and IN-091-1I-0002

Dear Mr. Tong:

The following Monthly Report for January 2011 is being submitted in compliance with the referenced Permits Part II(D)(1)(a) thru (f).

The reporting data are as follows:

(a) The analysis of the injection fluid for the month is submitted as Attachment I. Samples and measurements taken for monitoring conform to the requirements of Part I (E) (10) and Part II (C) (3) of the Permits.

(b) A tabulation of maximum injection pressure, daily maximum and minimum annulus tank levels, and minimum differential between simultaneous measurements of injection pressure and annulus pressure for each day of the month for Well #1 and Well #2 are shown in Attachments II and III respectively.

(c) Daily maximum injection pressure and daily average flow rate are shown for Well #1 and Well #2 in Attachment IV. Daily maximum and minimum annulus tank levels for Well #1 and Well #2 are shown in Attachment V.

(d) A statement of the total volumes of the fluid injected to date, in the current calendar year, and the current month:

Cumulative volume injected

Well #1	1,586,241,090	Gallons
Well #2	1,558,078,287	Gallons

Volume injected year-to-date

Well #1	6,018,468	Gallons
Well #2	5,381,487	Gallons

Volume injected this month

Well #1	6,018,468	Gallons
Well #2	5,381,487	Gallons

(e) A tabulation of the dates and amounts of water added to or removed from the annulus systems during the month, and the cumulative additions and cumulative subtractions for the current month and each of the past 13 months are included in Attachment VI for Well #1 and Well #2.

(f) Injection operating summary of compliance, alarms and scheduled maintenance is listed below.

Well #1: The following non-compliance event(s) occurred:

None occurred.

Well #1: The following alarm shutdown(s) and scheduled maintenance occurred:

None occurred.

Well #2: The following non-compliance event(s) occurred:

None occurred.

Well #2: The following alarm shutdown(s) and scheduled maintenance occurred:

None occurred.

Please note that any events in section (f) above are referenced in the notes in Attachments II and III.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Please contact me at Criterion as necessary with any questions regarding this data or report.

Sincerely,

Jesse Trent
HSSE Advisor
Criterion Catalysts & Technologies L.P.

WATCON, INC
2215 SOUTH MAIN
SOUTH BEND, IN 46613
(574) 287-3397, (574) 287-2427 fax

WEEKLY DEEPWELL ANALYSIS
MONTH-END SUMMARY

Client: Criterion Catalyst
1800 East US HWY 12
Michigan City, IN 46360

Attn: Mr. Frank Pierrat

WEEK ENDING	UNITS	**1/3/2011**	**1/10/2011**	**1/17/2011**	**1/24/2011**	**1/31/2011**	**AVERAGE**	METHOD
pH @ 25.7 C	s.u.	7.30	7.28	7.67	7.62	7.44	**7.46**	150.1
Specific Gravity	g/mL	1.045	1.051	1.042	1.040	1.044	**1.044**	ASTM
Total Dissolved Solids	mg/L	49,878	52,332	41,314	38,224	47,652	**45,880**	160.1
Total Suspended Solids	mg/L	2.0	2.0	1.8	1.8	2.2	**2.0**	160.2
Sodium Oxide (Na20)	mg/L	17,415	17,145	14,040	13,001	15,525	**15,425**	200.7
Aluminum Oxide (Al2O3)	mg/L	0.15	0.05	0.05	0.06	0.07	**0.08**	200.7
Silica (SiO2)	mg/L	4.56	4.11	2.78	6.83	6.53	**4.96**	200.7
Sulfate (SO4)	38,392	43,475	42,096	33,551	30,543	38,194	**37,572**	A1000

All tests are run at ambient temperature.

Methods may be referenced to *U.S. E.P.A. Methods for the Chemical Analysis of Water and Wastes,* and *Standard Methods for the Examination of Water and Wastewater.*

Approved by: _____ Date: 2/11/11

ATTACHMENT II

DEEPWELL MONTHLY REPORT DATA - Part II(D)(1)(b)

WELL #1

January, 2011

Date	Flow Rate (gpm)			Injection Pressure (psig)			Annulus Pressure (psig)			Annulus Level (%)			Total Flow Injected	Min. Tube/Annulus Differential Pressure	Temp.	Note
	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.				
1-Jan	221	231	215	751	763	740	1,124	1,147	1,113	67	67	67	318,745	352	117	
2-Jan	213	231	80	745	766	470	1,100	1,115	1,076	67	68	67	306,750	329	117	
3-Jan	172	230	68	668	774	458	1,055	1,107	988	66	69	63	247,479	279	114	
4-Jan	100	124	85	552	587	494	967	993	931	63	64	61	143,642	385	108	
5-Jan	100	104	97	546	552	535	928	956	887	61	63	59	143,549	343	105	
6-Jan	111	120	0	552	578	66	957	969	915	63	63	60	159,525	380	109	
7-Jan	124	148	114	592	637	561	984	1,011	942	64	66	63	178,732	305	112	
8-Jan	149	216	38	633	719	392	932	984	900	62	65	61	215,249	248	107	
9-Jan	188	217	170	705	732	688	997	1,009	982	66	66	65	271,156	257	113	
10-Jan	161	175	0	662	701	46	951	988	884	64	66	60	231,896	239	109	
11-Jan	132	161	0	555	646	26	885	916	844	60	62	58	190,165	233	103	
12-Jan	145	193	0	575	656	42	881	893	847	60	61	58	208,631	236	103	
13-Jan	136	230	0	483	684	40	855	931	611	57	68	55	195,802	229	106	
14-Jan	166	215	0	612	687	54	912	931	876	62	63	60	238,944	236	106	
15-Jan	148	161	0	587	618	36	887	901	845	61	62	59	212,741	269	104	
16-Jan	175	191	0	638	654	106	889	901	852	62	62	60	252,409	228	104	
17-Jan	119	164	0	491	622	26	895	957	834	63	66	59	171,106	243	108	
18-Jan	143	163	0	581	632	39	998	1,017	914	68	69	64	205,801	340	117	
19-Jan	63	156	0	328	632	26	907	990	810	64	68	58	91,349	263	110	
20-Jan	104	156	0	466	600	65	886	983	735	55	59	50	149,362	184	95	
21-Jan	85	158	0	375	556	24	904	981	865	53	57	51	122,234	310	95	
22-Jan	172	197	76	592	622	430	982	1,000	937	59	60	56	247,548	361	105	
23-Jan	120	138	117	547	566	538	970	983	956	58	59	58	173,303	408	104	
24-Jan	124	161	27	537	588	384	963	986	947	58	59	57	178,905	387	104	
25-Jan	117	160	76	539	582	449	950	981	931	58	59	56	167,918	374	102	
26-Jan	115	139	0	529	571	100	942	965	914	57	58	56	165,475	366	101	
27-Jan	130	152	0	539	577	44	937	949	911	57	58	56	187,898	364	102	
28-Jan	167	209	54	610	665	321	1,016	1,067	924	62	64	57	240,429	331	110	
29-Jan	85	112	0	461	551	21	927	1,005	906	57	62	56	122,778	405	101	
30-Jan	99	102	78	499	507	450	919	921	909	57	57	57	142,554	410	101	
31-Jan	95	112	0	481	508	215	905	910	890	57	57	56	136,394	395	100	
Summary	135	231	0	562	774	21	949	1147	611	61	69	50	6,018,468	184	106	

Criterion Catalysts and Technologies L.P., Michigan City, Indiana

ATTACHMENT III

DEEPWELL MONTHLY REPORT DATA - Part II(D)(1)(b)

WELL #2

January, 2011

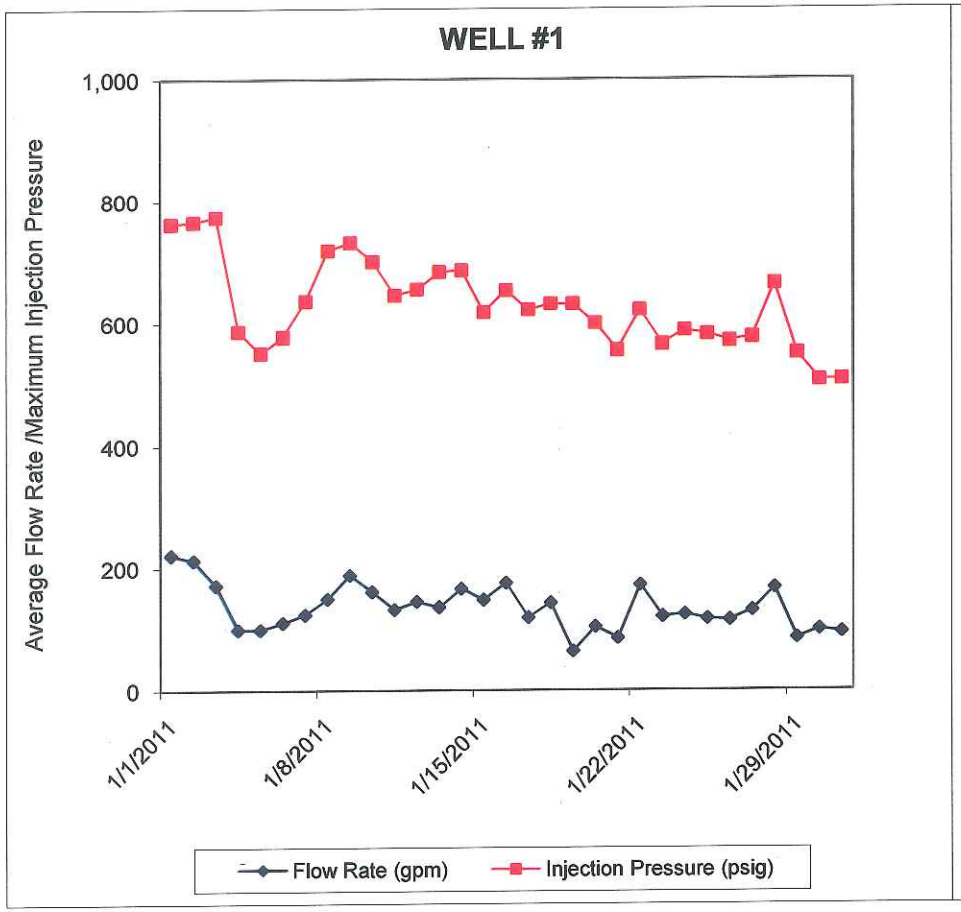
Date	Flow Rate (gpm)			Injection Pressure (psig)			Annulus Pressure (psig)			Annulus Level (%)			Total Flow Injected	Min. Tube/Annulus Differential Pressure	Temp.	Note
	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.				
1-Jan	195	214	178	755	768	744	977	991	968	58	58	57	281,374	204	116	
2-Jan	189	215	38	749	771	478	987	1,013	943	57	58	56	271,853	200	116	
3-Jan	158	217	76	672	778	461	970	1,013	915	56	58	53	228,223	189	113	
4-Jan	101	117	80	556	591	494	898	918	869	52	53	50	145,161	313	107	
5-Jan	100	107	91	550	556	538	864	888	830	50	51	47	144,474	282	104	
6-Jan	108	121	27	555	582	70	888	898	854	51	52	49	155,142	316	108	
7-Jan	116	143	102	596	642	565	910	933	875	53	55	52	167,755	233	111	
8-Jan	137	200	57	637	723	395	899	1,041	840	50	52	48	197,416	209	106	
9-Jan	162	198	126	709	736	692	1,050	1,058	1,037	52	52	51	233,497	309	111	
10-Jan	141	166	0	666	705	49	1,000	1,037	945	50	52	47	203,400	285	108	
11-Jan	126	153	42	558	649	29	938	967	905	46	48	44	181,112	284	102	
12-Jan	133	177	46	579	660	46	931	942	905	46	47	44	191,488	280	101	
13-Jan	169	278	46	653	761	74	955	974	935	48	49	46	243,547	204	104	
14-Jan	149	199	46	616	691	57	953	970	928	48	49	47	215,092	270	105	
15-Jan	134	149	46	591	622	40	931	943	900	47	48	45	192,632	309	103	
16-Jan	153	176	50	641	658	109	934	944	907	48	48	46	219,619	269	103	
17-Jan	112	143	0	495	626	30	941	995	889	49	52	45	161,036	287	107	
18-Jan	122	143	0	585	636	43	1,031	1,047	961	54	55	51	175,001	371	116	
19-Jan	55	143	0	332	636	29	942	1,022	851	50	54	44	79,391	292	108	
20-Jan	92	146	0	470	604	69	902	981	787	42	45	37	133,114	225	94	
21-Jan	74	143	0	379	561	28	915	980	880	41	45	38	107,019	319	94	
22-Jan	145	177	68	596	626	434	983	998	944	46	47	43	209,465	357	103	
23-Jan	100	129	78	550	568	542	972	984	960	46	46	45	144,258	407	103	
24-Jan	103	142	27	541	592	384	966	986	953	45	47	45	147,688	387	102	
25-Jan	97	137	60	542	586	452	955	983	940	45	46	44	140,243	379	101	
26-Jan	94	129	0	532	573	103	949	968	926	44	46	43	135,613	371	100	
27-Jan	106	133	0	542	581	47	944	954	926	45	45	43	152,866	367	100	
28-Jan	139	185	33	614	669	326	1,012	1,056	937	49	52	45	200,210	332	108	
29-Jan	69	99	0	465	554	25	933	1,002	914	45	49	43	99,181	405	100	
30-Jan	79	95	38	502	510	453	925	927	918	44	44	44	114,468	413	100	
31-Jan	76	100	0	484	511	221	913	918	904	44	44	43	110,148	401	99	
Summary	121	278	0	571	778	25	947	1058	787	48	58	37	5,381,487	189	105	

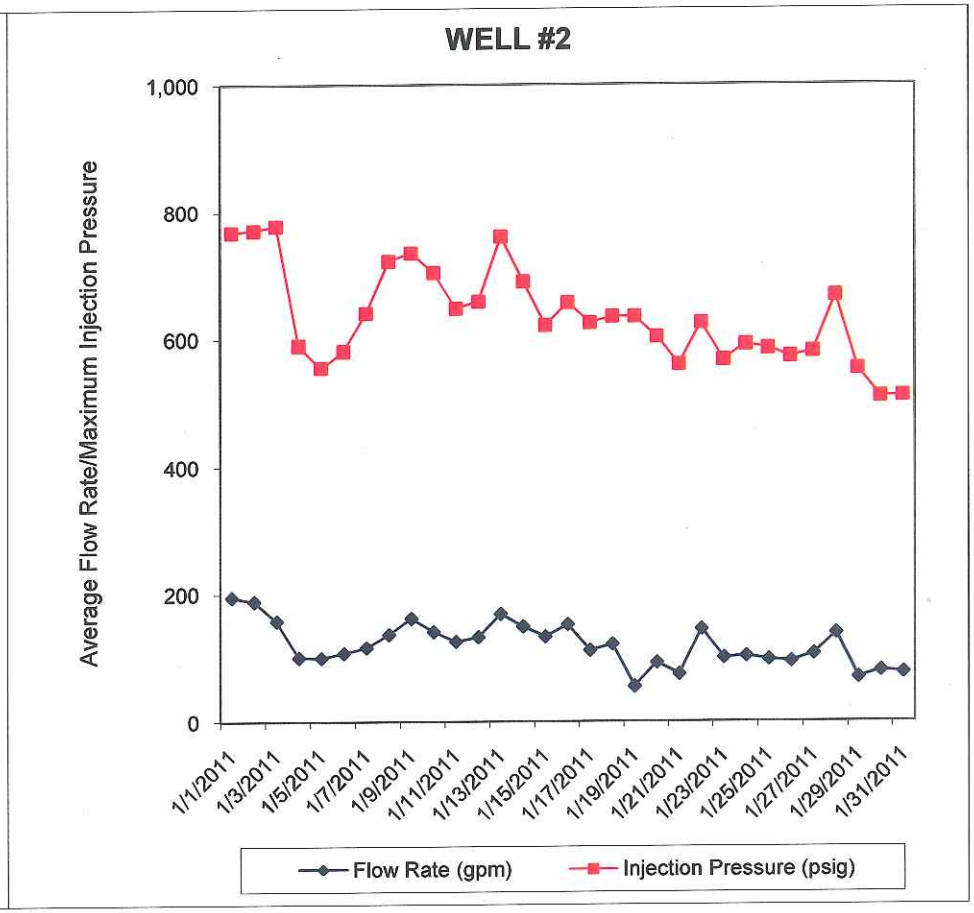
Criterion Catalysts and Technologies L.P., Michigan City, Indiana

ATTACHMENT IV

DEEPWELL MONTHLY REPORT DATA Part II(D)(1)(c)

January, 2011



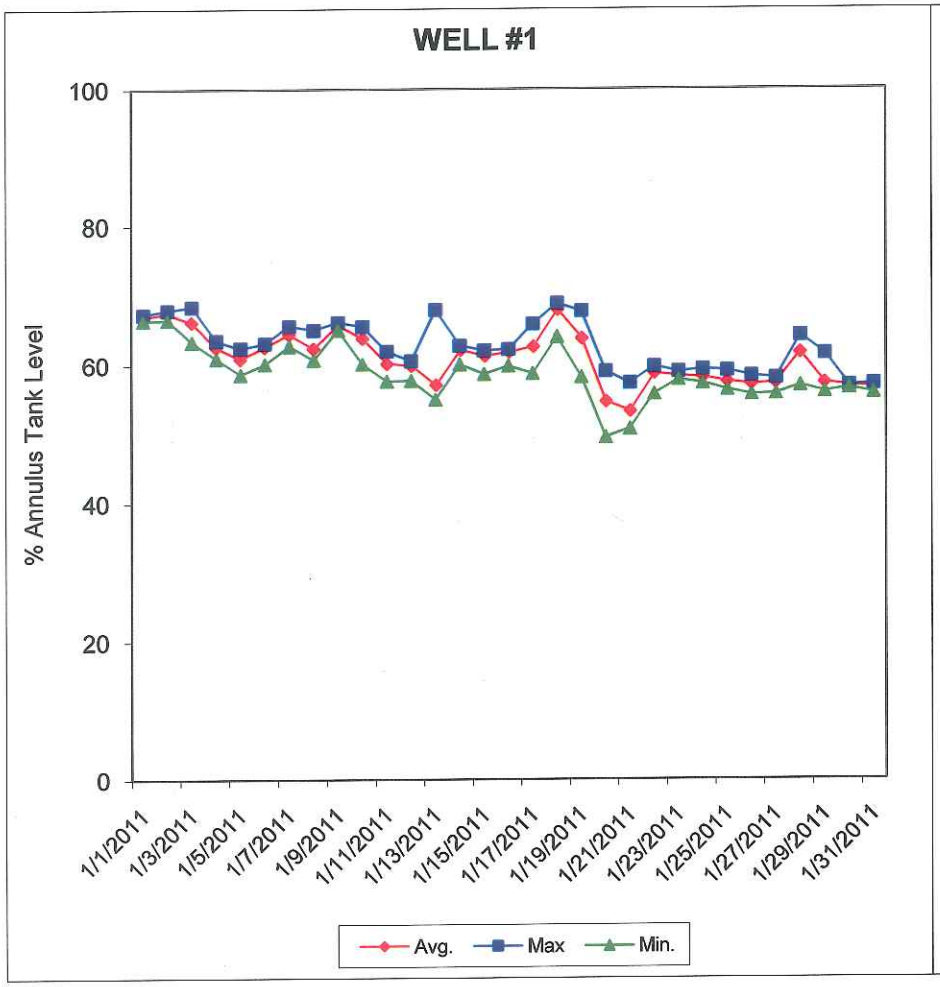


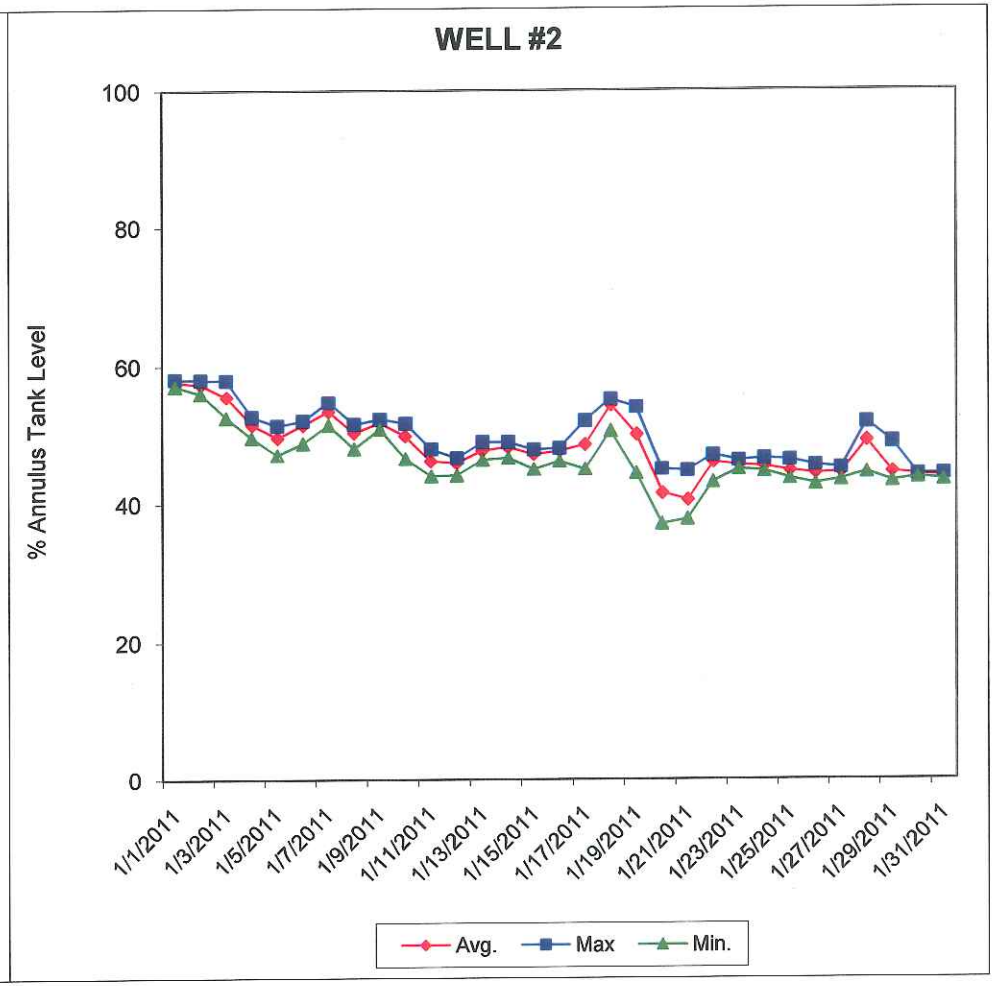
Criterion Catalysts and Technologies L.P., Michigan City, Indiana

ATTACHMENT V

DEEPWELL MONTHLY REPORT DATA Part II(D)(1)(c)

January, 2011





Criterion Catalysts and Technologies L.P., Michigan City, Indiana

ATTACHMENT VI

DEEPWELL MONTHLY REPORT - Part II(D)(1)(e)

ANNULUS SYSTEM WATER ADDITIONS AND SUBTRACTIONS (In Gallons)

January, 2011

WELL #1

Date	Monthly Cumulative	13 Month Cumulative
Jan-2010	0	0
Feb-2010	0	0
Mar-2010	0	0
Apr-2010	0	0
May-2010	15	15
Jun-2010	15	30
Jul-2010	122	152
Aug-2010	-6	146
Sep-2010	0	146
Oct-2010	5	151
Nov-2010	0	151
Dec-2010	0	151
Jan-2011	0	151

WELL #2

Date	Monthly Cumulative	13 Month Cumulative
Jan-2010	0	0
Feb-2010	0	0
Mar-2010	0	0
Apr-2010	0	0
May-2010	0	0
Jun-2010	0	0
Jul-2010	0	0
Aug-2010	0	0
Sep-2010	0	0
Oct-2010	0	0
Nov-2010	0	0
Dec-2010	0	0
Jan-2011	0	0

Daily Well #1

Total	0

Daily Well #2

Total	0

Notes: