

CROW BUTTE RESOURCES, INC.

86 Crow Butte Road
P.O. Box 169
Crawford, Nebraska 69339-0169



(308) 665-2215
(308) 665-2341 – FAX

December 21, 2000

Mr. Philip Ting, Chief
Fuel Cycle Licensing Branch, FCSS
c/o Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Re: Source Materials License SUA-1534
Docket No. 40-8943
SM7-23 Monitor Well Excursion Quarterly Report

Dear Mr. Ting:

On April 27, 2000 during routine biweekly water sampling of Crow Butte Resources, Inc. (CBR) shallow monitor well SM7-23, the single parameter upper control limit (UCL) was exceeded for sulfate. As required by SUA-1534, a second sample was collected within 48 hours and analyzed for the five excursion indicator parameters. The results of the second sample (and a third sample taken on April 28) also exceeded the single UCL for sulfate. Based upon these results, monitor well SM7-23 was placed on excursion status. This report is the second quarterly report submitted to NRC to provide an update on the status of SM7-23.

As required by License Condition 11.2, CBR increased the sampling frequency for SM7-23 to weekly. Laboratory results for the analysis of weekly samples from September 21 through December 19, 2000 are attached. In addition, graphs are attached for each excursion parameter and water level for SM7-23 for the period from August 5, 1999 through December 19, 2000. The data indicates that sulfate concentrations have continued to exceed the single UCL of 62 mg/l since April 27. All other excursion monitoring parameters have remained stable at levels that are well below their respective UCLs.

CBR believes that the exceedance of the sulfate UCL in SM7-23 is not due to the migration of mining solutions. SM7-23 is located in a new area of Mine Unit 7 where mining activities have not begun. The nearest active mining well is approximately 800 feet from SM7-23. In addition, several other shallow monitor wells are located between SM7-23 and these active mining wells. If the excursion were due to mining solutions, it would be reasonable to expect that these wells would also be affected.

4MSSOIP/DIC

CROW BUTTE RESOURCES, INC.



Mr. Philip Ting
December 21, 2000
Page 2 of 2

The conclusion that this UCL exceedance is not caused by a migration of mining solutions is further supported by the trends for the other four excursion parameters. If the exceedance were due to mining solutions, it is certain that some of the other parameter concentrations would be affected.

As shown in the trending graphs, the sulfate concentrations in SM7-23 appear stable at the current levels. Since it is apparent that mining activities have not affected the sulfate concentrations, CBR believes that it may be necessary to propose new multiple and single UCLs for sulfate in SM7-23. In the meantime, CBR plans to continue to sample SM7-23 on a weekly basis. If three consecutive weekly samples are below the exceeded UCL, the well will be returned to normal status.

If you have any questions or require any further information, please do not hesitate to call me at (308) 665-2215.

Sincerely,
CROW BUTTE RESOURCES, INC.

A handwritten signature in black ink, appearing to read 'M. Griffin', is written over the typed name. The signature is fluid and cursive.

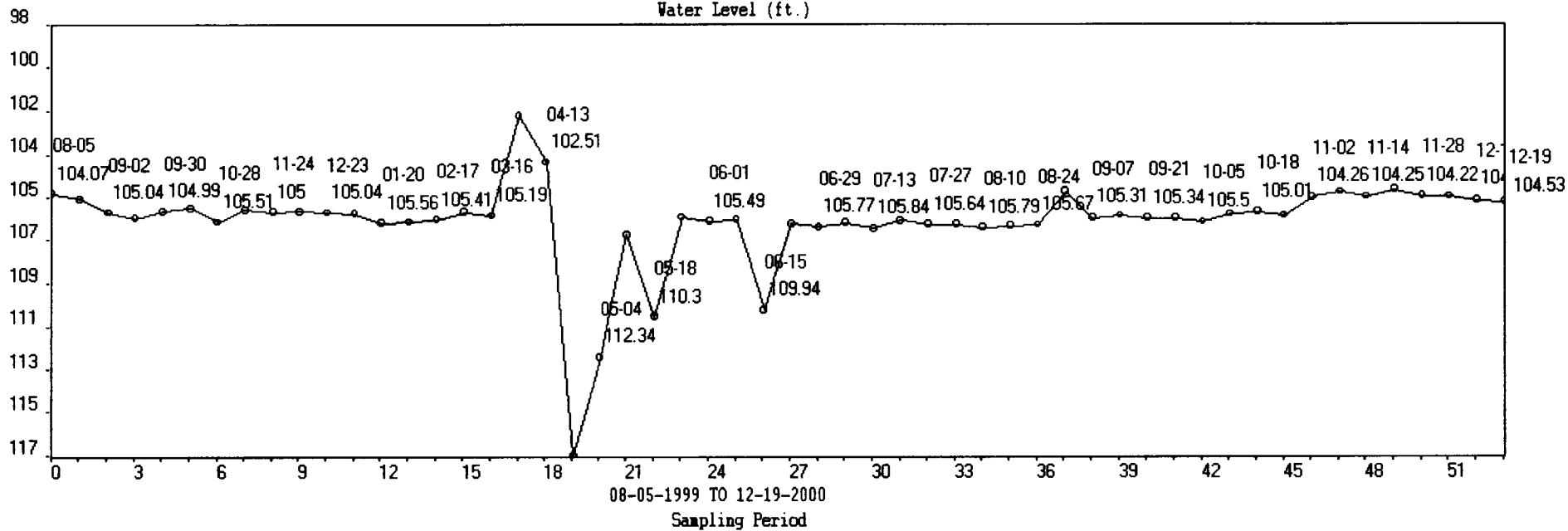
Michael Griffin
Manager of Environmental and Regulatory Affairs

Enclosures: As Stated

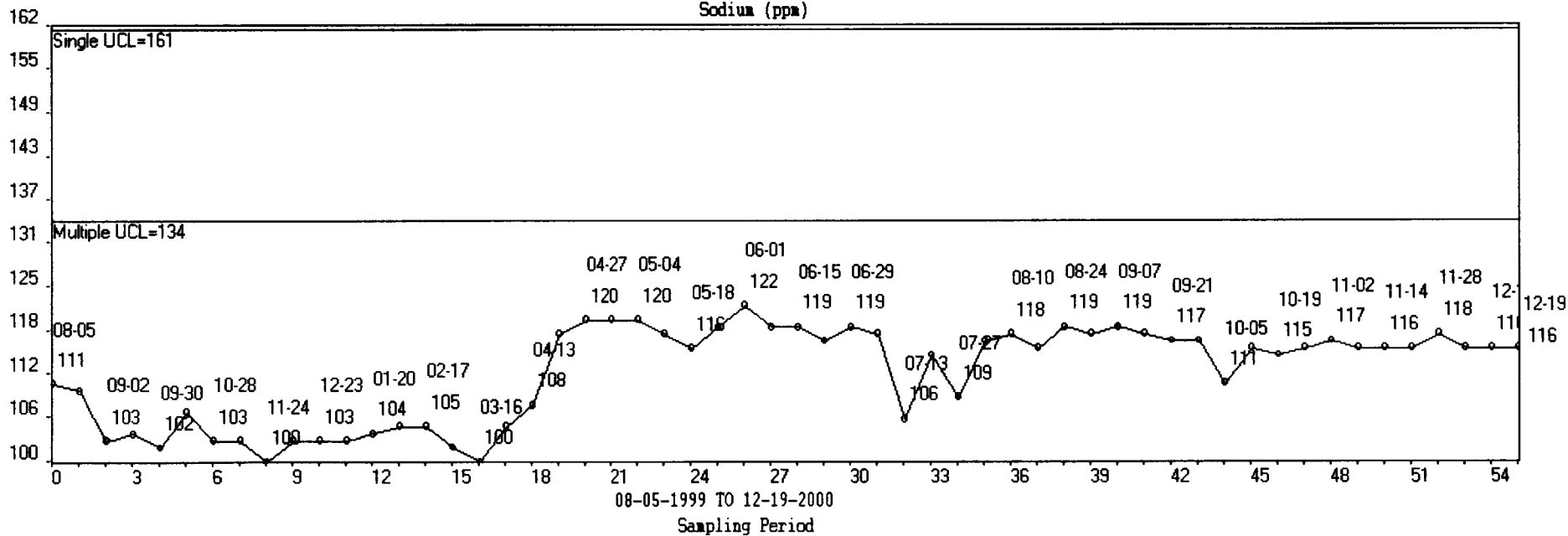
cc: Mr. Steve Collings - CBR, Denver

Mr. Mike Layton - ADDRESSEE ONLY
U.S. Nuclear Regulatory Commission
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Washington, DC 20555

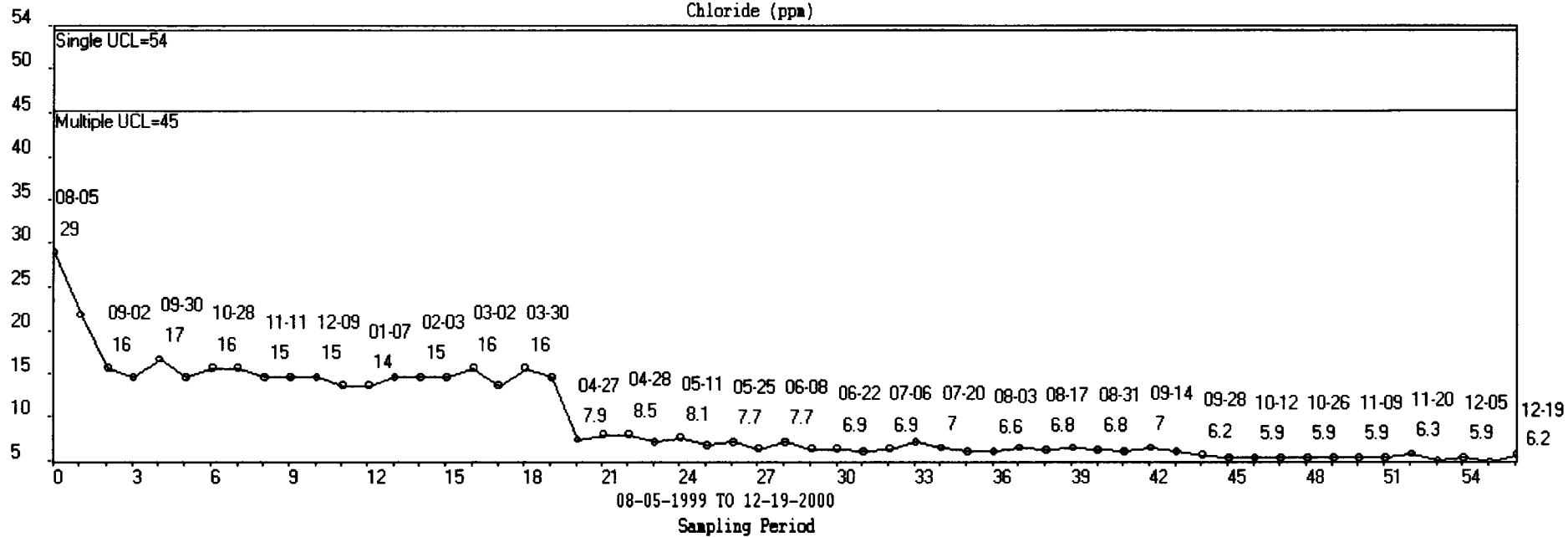
SM7-23
Water Level (ft.)



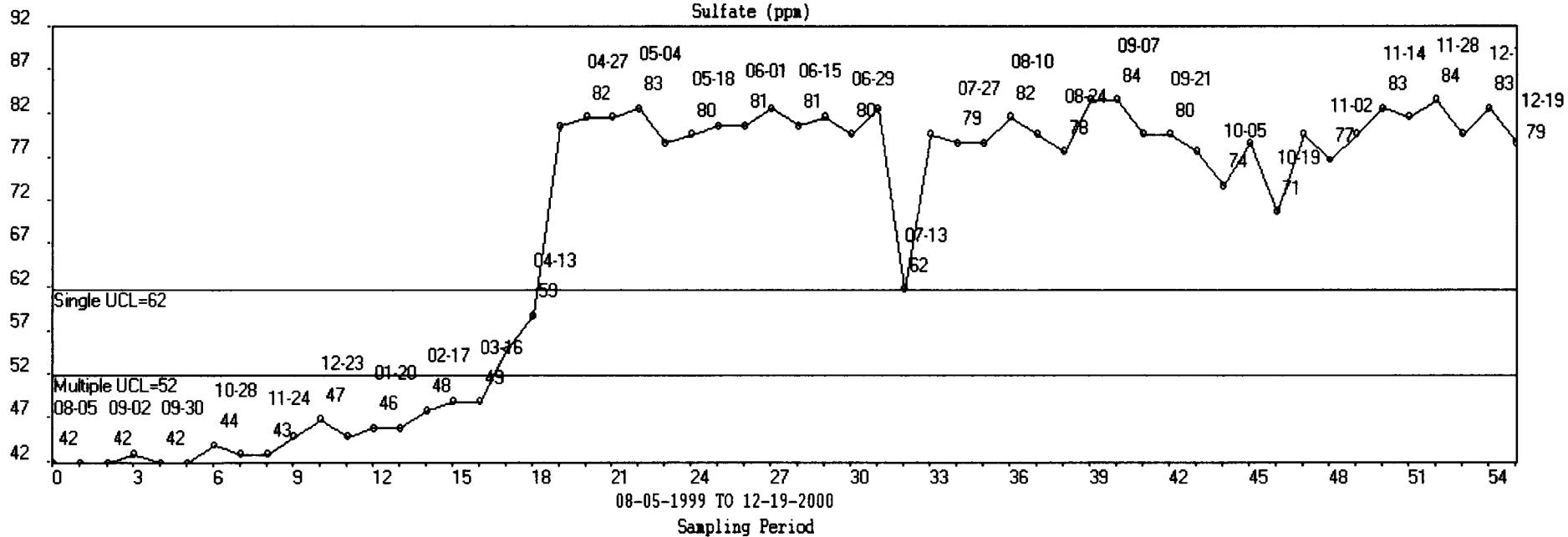
SM7-23
Sodium (ppm)



SM7-23
Chloride (ppm)

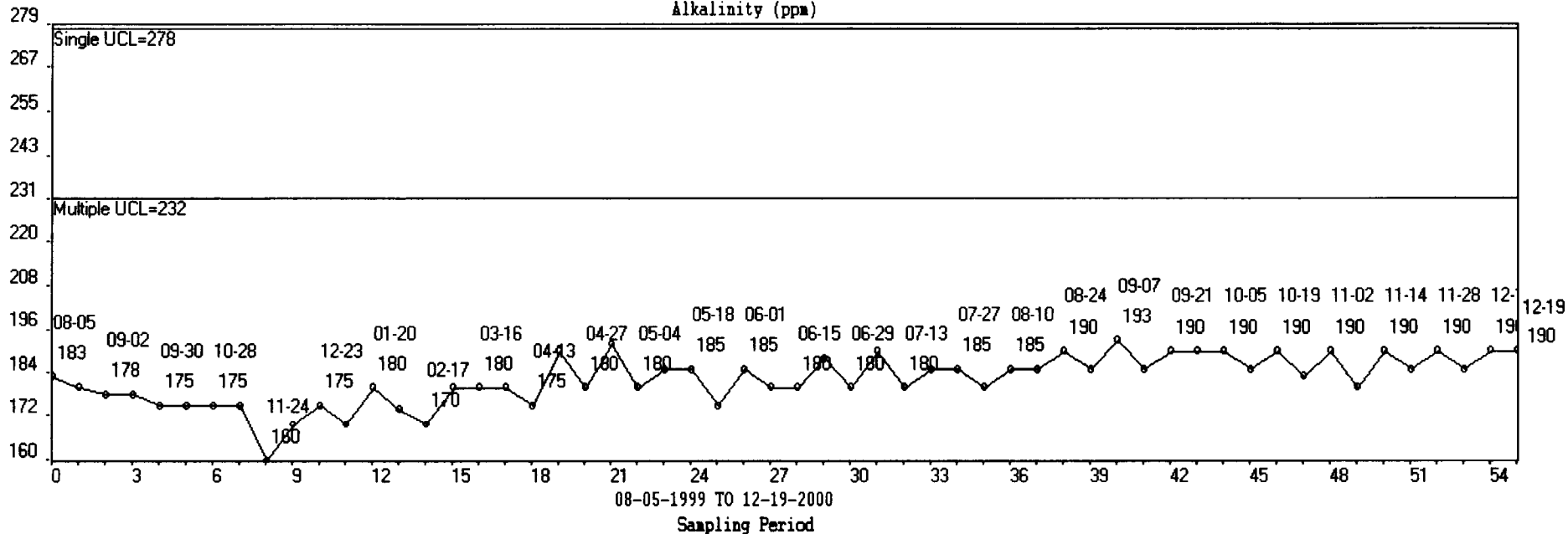


SM7-23
Sulfate (ppm)



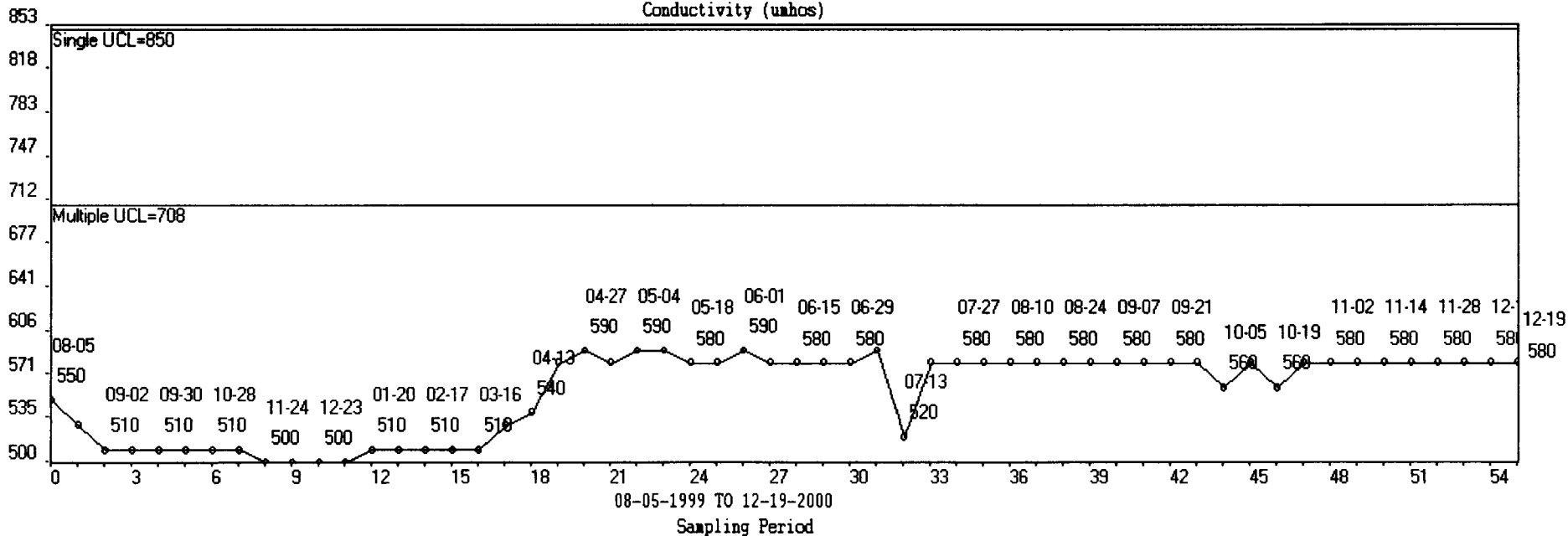
SM7-23

Alkalinity (ppm)



SM7-23

Conductivity (umhos)



Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 09-21-2000
Analysis Date: 09-22-2000

Analyst: SM/LG

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM6-7	410	376	175	1950	295
Multiple	476	444	234	2352	336
Single	572	533	281	2822	403
CM6-8	415	362	186	1950	295
Multiple	509	460	254	2436	371
Single	611	552	305	2923	445
CM6-9	433	371	192	2040	310
Multiple	485	450	238	2388	356
Single	582	540	285	2866	428
CM6-10	417	378	177	1960	290
Multiple	509	458	272	2460	358
Single	611	550	327	2952	429
CM6-11	414	354	185	1940	305
Multiple	496	464	247	2316	364
Single	595	557	297	2779	436
CM6-20	419	340	190	1950	300
Multiple	479	442	272	2412	371
Single	575	530	327	2894	445
CM6-21	401	344	181	1900	300
Multiple	480	421	250	2352	356
Single	576	505	300	2822	428
CM6-22	404	347	185	1930	295
Multiple	481	461	266	2388	373
Single	577	553	320	2866	448
PR-8	345	284	110*	1630	330
Multiple	504	440	235	2388	403
Single	605	528	282	2866	484
PR-15	299	252	110	1490	305
Multiple	492	428	223	2327	370
Single	590	514	268	2792	444
IJ-13	440	379	162	2060	385
Multiple	492	442	232	2417	346
Single	590	530	278	2900	415
SM7-23	117	80	6.6*	580	190
Multiple	134	52	45	708	232
Single	161	62	54	850	278

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 1/2

Sample Date: 09-28-2000
Analysis Date: 09-29-2000

Analyst: LG-TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
SM6-13	23	16	5.3	540	250
Multiple	42	18	8	640	300
Single	50	21	10	768	360
SM6-21	22	14*	6.1*	490	210
Multiple	24	20	8	594	260
Single	29	24	10	713	312
SM6-22	20	13*	4.3	460	220
Multiple	23	18	5	562	258
Single	27	21	6	674	310
SM6-23	26	14*	5.1	500	230
Multiple	30	17	5	576	262
Single	36	21	6	691	314
SM6-24	25	17*	6.1*	480	220
Multiple	28	18	7	560	258
Single	33	21	9	672	310
SM6-25	25*	14*	6.1*	480	210
Multiple	30	18	7	580	270
Single	36	22	8	696	324
SM6-26	26	12*	5.6*	460	210
Multiple	32	18	7	605	257
Single	39	22	9	726	308
SM6-27	26	14	5.3	470	215
Multiple	30	18	6	564	264
Single	36	21	7	677	317
SM6-28	28	20	5.3	510	233
Multiple	38	33	7	648	293
Single	46	39	9	778	351
SM7-23	117	78	6.2*	580	190
Multiple	134	52	45	708	232
Single	161	62	54	850	278
SM7-24	115	70	10*	570	185
Multiple	137	74	30	674	216
Single	164	89	37	809	259
SM7-25	74	22	3.6*	360	160*
Multiple	100	26	44	538	168
Single	120	32	52	645	202
CM6-23	407	339	187	1920	300
Multiple	475	416	240	2436	382
Single	570	500	288	2923	458
CM6-24	408	323	185	1940	318
Multiple	474	410	239	2328	384
Single	569	492	287	2794	461

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 10-05-2000

Analyst: IG/TF

Analysis Date: 10-06-2000

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM6-7	403	383	177	1950	295
Multiple	476	444	234	2352	336
Single	572	533	281	2822	403
CM6-8	410	373	184	1960	290
Multiple	509	460	254	2436	371
Single	611	552	305	2923	445
CM6-9	435	373	200	2080	318
Multiple	485	450	238	2388	356
Single	582	540	285	2866	428
CM6-10	411	359*	185	1960	295
Multiple	509	458	272	2460	358
Single	611	550	327	2952	429
CM6-11	404	353	184	1940	300
Multiple	496	464	247	2316	364
Single	595	557	297	2779	436
CM6-20	413	349	194	1950	295
Multiple	479	442	272	2412	371
Single	575	530	327	2894	445
CM6-21	398	345	181	1910	300
Multiple	480	421	250	2352	356
Single	576	505	300	2822	428
CM6-22	401	356	184	1930	293
Multiple	481	461	266	2388	373
Single	577	553	320	2866	448
PR-8	343	289	118*	1610	330
Multiple	504	440	235	2388	403
Single	605	528	282	2866	484
PR-15	302	250	112	1490	310
Multiple	492	428	223	2327	370
Single	590	514	268	2792	444
IJ-13	437	388	158	2060	378
Multiple	492	442	232	2417	346
Single	590	530	278	2900	415
SM7-23	111*	74*	5.9	560	190
Multiple	134	52	45	708	232
Single	161	62	54	850	278

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 1/2

Sample Date: 10-12-2000
Analysis Date: 10-13-2000

Analyst: SM/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
SM6-13	24	15*	4.9*	530	245
Multiple	42	18	8	640	300
Single	50	21	10	768	360
SM6-21	22	15*	5.9	490	215
Multiple	24	20	8	594	260
Single	29	24	10	713	312
SM6-22	20	15*	3.9*	460	213
Multiple	23	18	5	562	258
Single	27	21	6	674	310
SM6-23	26	15*	4.6*	500	235
Multiple	30	17	5	576	262
Single	36	21	6	691	314
SM6-24	25	17	5.9	480	220
Multiple	28	18	7	560	258
Single	33	21	9	672	310
SM6-25	25	14	5.9	480	205
Multiple	30	18	7	580	270
Single	36	22	8	696	324
SM6-26	27	12	5.9*	460	210
Multiple	32	18	7	605	257
Single	39	22	9	726	308
SM6-27	27	14	5.3	470	205
Multiple	30	18	6	564	264
Single	36	21	7	677	317
SM6-28	28	21	5.3	510	230
Multiple	38	33	7	648	293
Single	46	39	9	778	351
SM7-23	116	79*	5.9	580	185
Multiple	134	52	45	708	232
Single	161	62	54	850	278
SM7-24	115	70	10	570	180
Multiple	137	74	30	674	216
Single	164	89	37	809	259
SM7-25	74	22	3.0*	370	155
Multiple	100	26	44	538	168
Single	120	32	52	645	202
CM6-23	409	328	190	1930	305
Multiple	475	416	240	2436	382
Single	570	500	288	2923	458
CM6-24	410	320	185	1940	320
Multiple	474	410	239	2328	384
Single	569	492	287	2794	461

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 10-19-2000
Analysis Date: 10-20-2000

Analyst: SN-LGTF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM6-7	409	371	177	1940	300
Multiple	476	444	234	2352	336
Single	572	533	281	2822	403
CM6-8	410	358	184	1960	290
Multiple	509	460	254	2436	371
Single	611	552	305	2923	445
CM6-9	434	381	202	2070	320
Multiple	485	450	238	2388	356
Single	582	540	285	2866	428
CM6-10	410	360	187	1940	290
Multiple	509	458	272	2460	358
Single	611	550	327	2952	429
CM6-11	408	356	181	1930	300
Multiple	496	464	247	2316	364
Single	595	557	297	2779	436
CM6-20	412	342	190	1950	300
Multiple	479	442	272	2412	371
Single	575	530	327	2894	445
CM6-21	402	343	187	1900	295
Multiple	480	421	250	2352	356
Single	576	505	300	2822	428
CM6-22	406	343	184	1920	290
Multiple	481	461	266	2388	373
Single	577	553	320	2866	448
PR-8	351	286	121	1630	325
Multiple	504	440	235	2388	403
Single	605	528	282	2866	484
PR-15	306	251	112	1500	310
Multiple	492	428	223	2327	370
Single	590	514	268	2792	444
IJ-13	424	374	157	2010	370
Multiple	492	442	232	2417	346
Single	590	530	278	2900	415
SM7-23	115	71*	5.9	560	190
Multiple	134	52	45	708	232
Single	161	62	54	850	278

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 1/2

Sample Date: 10-26-2000
Analysis Date: 10-27-2000

Analyst: IG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
SM6-13	23	15	4.6*	530	240
Multiple	42	18	8	640	300
Single	50	21	10	768	360
SM6-21	22	14*	5.6*	480	210
Multiple	24	20	8	594	260
Single	29	24	10	713	312
SM6-22	20	14*	3.9	460	210
Multiple	23	18	5	562	258
Single	27	21	6	674	310
SM6-23	25	14*	4.6	490	225
Multiple	30	17	5	576	262
Single	36	21	6	691	314
SM6-24	26	17	5.9	480	220
Multiple	28	18	7	560	258
Single	33	21	9	672	310
SM6-25	25	15*	5.9	480	215
Multiple	30	18	7	580	270
Single	36	22	8	696	324
SM6-26	27	12	5.3*	460	210
Multiple	32	18	7	605	257
Single	39	22	9	726	308
SM6-27	27	13*	5.4	470	205
Multiple	30	18	6	564	264
Single	36	21	7	677	317
SM6-28	28	20	5.3	510	230
Multiple	38	33	7	648	293
Single	46	39	9	778	351
SM7-23	116	80*	5.9	580	183
Multiple	134	52	45	708	232
Single	161	62	54	850	278
SM7-24	115	68	11*	570	180
Multiple	137	74	30	674	216
Single	164	89	37	809	259
SM7-25	74	23	2.6*	360	150
Multiple	100	26	44	538	168
Single	120	32	52	645	202
CM6-23	406	326	187	1920	305
Multiple	475	416	240	2436	382
Single	570	500	288	2923	458
CM6-24	410	328	195*	1930	320
Multiple	474	410	239	2328	384
Single	569	492	287	2794	461

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 11-02-2000
Analysis Date: 11-03-2000

Analyst:

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM6-7 Multiple Single	406	374	177	1950	295
	476	444	234	2352	336
	572	533	281	2822	403
CM6-8 Multiple Single	409	364	192	1980	295
	509	460	254	2436	371
	611	552	305	2923	445
CM6-9 Multiple Single	427	382	199	2050	315
	485	450	238	2388	356
	582	540	285	2866	428
CM6-10 Multiple Single	406	358	184	1950	300
	509	458	272	2460	358
	611	550	327	2952	429
CM6-11 Multiple Single	409	346	184	1940	300
	496	464	247	2316	364
	595	557	297	2779	436
CM6-20 Multiple Single	409	356	190	1970	300
	479	442	272	2412	371
	575	530	327	2894	445
CM6-21 Multiple Single	403	358	184	1910	295
	480	421	250	2352	356
	576	505	300	2822	428
CM6-22 Multiple Single	406	346	185	1930	290
	481	461	266	2388	373
	577	553	320	2866	448
PR-8 Multiple Single	357	302*	121	1670	320
	504	440	235	2388	403
	605	528	282	2866	484
PR-15 Multiple Single	309	254	112	1500	310
	492	428	223	2327	370
	590	514	268	2792	444
IJ-13 Multiple Single	438	389	157	2120*	378
	492	442	232	2417	346
	590	530	278	2900	415
SM7-23 Multiple Single	117	77	5.9	580	190
	134	52	45	708	232
	161	62	54	850	278

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 1/2

Sample Date: 11-09-2000
Analysis Date: 11-10-2000

Analyst: LG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
SM6-13	23	17*	4.6	530	240
Multiple	42	18	8	640	300
Single	50	21	10	768	360
SM6-21	21	15*	5.6	490	210
Multiple	24	20	8	594	260
Single	29	24	10	713	312
SM6-22	19	14	3.9	460	210
Multiple	23	18	5	562	258
Single	27	21	6	674	310
SM6-23	24	15*	4.3*	490	228
Multiple	30	17	5	576	262
Single	36	21	6	691	314
SM6-24	24*	16*	5.3*	480	210
Multiple	28	18	7	560	258
Single	33	21	9	672	310
SM6-25	24	13*	5.9	480	210
Multiple	30	18	7	580	270
Single	36	22	8	696	324
SM6-26	25*	13*	5.9*	460	215
Multiple	32	18	7	605	257
Single	39	22	9	726	308
SM6-27	26	14*	5.3	470	210
Multiple	30	18	6	564	264
Single	36	21	7	677	317
SM6-28	27	21	5.3	510	235
Multiple	38	33	7	648	293
Single	46	39	9	778	351
SM7-23	116	80	5.9	580	180*
Multiple	134	52	45	708	232
Single	161	62	54	850	278
SM7-24	117	75*	11	590	180
Multiple	137	74	30	674	216
Single	164	89	37	809	259
SM7-25	72	23	2.6	360	160*
Multiple	100	26	44	538	168
Single	120	32	52	645	202
CM6-23	407	327	187	1920	310
Multiple	475	416	240	2436	382
Single	570	500	288	2923	458
CM6-24	410	332	190	1920	310
Multiple	474	410	239	2328	384
Single	569	492	287	2794	461

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 11-14-2000
Analysis Date: 11-15-2000

Analyst: LG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM4-4	379	320	177	1830	295
Multiple	491	390	258	2502	361
Single	589	468	310	3002	433
CM4-5	379	332	176	1840	300
Multiple	493	395	280	2642	344
Single	592	474	336	3171	413
CM4-6	383	334	177	1850	300
Multiple	445	402	220	2344	337
Single	534	482	264	2812	405
CM4-7	385	336	174	1850	300
Multiple	514	394	341	2777	348
Single	616	472	409	3332	418
CM6-4	407	358	185	1950	295
Multiple	480	450	241	2364	367
Single	576	540	289	2837	441
CM7-2	387	316	177	1830	305
Multiple	492	408	296	2448	354
Single	590	490	356	2938	425
CM7-3	389	329	179	1860	300
Multiple	524	409	317	2544	372
Single	629	491	380	3053	446
CM7-4	383	322	181	1840	300
Multiple	463	379	241	2257	359
Single	556	455	289	2709	431
CM7-5	388	320	184	1860	300
Multiple	484	391	277	2368	366
Single	580	469	333	2841	439
CM7-6	394	322	186	1880	305
Multiple	484	397	263	2356	362
Single	580	477	315	2827	435
SM6-12	23	15	5.9	530	240
Multiple	30	16	6	613	290
Single	36	19	7	736	348
SM7-23	116	83	5.9	580	190*
Multiple	134	52	45	708	232
Single	161	62	54	850	278

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 11-20-2000
Analysis Date: 11-21-2000

Analyst: LG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM5-8	406	342	181	1930	310
Multiple	475	449	241	2396	373
Single	570	539	289	2876	448
CM5-9	403	339	180	1910	305
Multiple	475	446	241	2387	361
Single	570	536	289	2864	433
CM5-10	402	347	184	1920	300
Multiple	480	460	277	2453	336
Single	576	552	333	2943	403
CM5-11	435	362	200	2050	300
Multiple	478	443	256	2414	365
Single	573	531	307	2897	438
CM5-12	409	349	184	1930	295
Multiple	494	452	269	2485	380
Single	593	543	323	2982	456
CM6-1	401	362	188	1940	290
Multiple	510	460	278	2640	360
Single	612	552	334	3168	432
CM6-2	401	367	176	1930	280
Multiple	485	461	233	2352	364
Single	582	553	279	2822	436
CM6-3	407	353	180	1940	295
Multiple	488	454	224	2340	367
Single	586	544	269	2808	441
SM6-12	24	14*	6.3*	530	240
Multiple	30	16	6	613	290
Single	36	19	7	736	348
SM7-23	116	82	6.3*	580	185
Multiple	134	52	45	708	232
Single	161	62	54	850	278
SM6-18	120	52	21	590	200
Multiple	139	71	16	697	254
Single	167	85	19	837	305

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 11-28-2000
Analysis Date: 11-29-2000

Analyst: LG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM4-4	389	315	180	1830	310
Multiple	491	390	258	2502	361
Single	589	468	310	3002	433
CM4-5	386	330	176	1840	300
Multiple	493	395	280	2642	344
Single	592	474	336	3171	413
CM4-6	390	330	180	1860	300
Multiple	445	402	220	2344	337
Single	534	482	264	2812	405
CM4-7	390	324	176	1850	300
Multiple	514	394	341	2777	348
Single	616	472	409	3332	418
CM6-4	413	365	188	1970	300
Multiple	480	450	241	2364	367
Single	576	540	289	2837	441
CM7-2	384	325	180	1830	303
Multiple	492	408	296	2448	354
Single	590	490	356	2938	425
CM7-3	397	328	180	1860	310
Multiple	524	409	317	2544	372
Single	629	491	380	3053	446
CM7-4	386	323	180	1840	300
Multiple	463	379	241	2257	359
Single	556	455	289	2709	431
CM7-5	389	320	184	1860	310
Multiple	484	391	277	2368	366
Single	580	469	333	2841	439
CM7-6	399	324	192	1880	300
Multiple	484	397	263	2356	362
Single	580	477	315	2827	435
SM6-12	23	15*	6.3	530	240
Multiple	30	16	6	613	290
Single	36	19	7	736	348
SM7-23	118	84	5.5*	580	190
Multiple	134	52	45	708	232
Single	161	62	54	850	278

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 12-05-2000

Analyst: LG/TF

Analysis Date: 12-06-2000

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM5-8	405	350	180	1920	310
Multiple	475	449	241	2396	373
Single	570	539	289	2876	448
CM5-9	407	355	180	1910	300
Multiple	475	446	241	2387	361
Single	570	536	289	2864	433
CM5-10	415	358	188	1950	295
Multiple	480	460	277	2453	336
Single	576	552	333	2943	403
CM5-11	432	375	202	2050	310
Multiple	478	443	256	2414	365
Single	573	531	307	2897	438
CM5-12	414	358	184	1920	300
Multiple	494	452	269	2485	380
Single	593	543	323	2982	456
CM6-1	406	367	192	1940	285
Multiple	510	460	278	2640	360
Single	612	552	334	3168	432
CM6-2	404	378	180	1930	290
Multiple	485	461	233	2352	364
Single	582	553	279	2822	436
CM6-3	408	353	184	1930	300
Multiple	488	454	224	2340	367
Single	586	544	269	2808	441
SM6-12	25*	15	6.6	530	240
Multiple	30	16	6	613	290
Single	36	19	7	736	348
SM7-23	116	80	5.9*	580	185
Multiple	134	52	45	708	232
Single	161	62	54	850	278

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 12-12-2000
Analysis Date: 12-13-2000

Analyst: IG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM4-4	382	315	177	1840	305
Multiple	491	390	258	2502	361
Single	589	468	310	3002	433
CM4-5	379	322	173	1840	305
Multiple	493	395	280	2642	344
Single	592	474	336	3171	413
CM4-6	385	326	175	1860	303
Multiple	445	402	220	2344	337
Single	534	482	264	2812	405
CM4-7	381	327	173	1860	305
Multiple	514	394	341	2777	348
Single	616	472	409	3332	418
CM6-4	401	365	185	1950	300
Multiple	480	450	241	2364	367
Single	576	540	289	2837	441
CM7-2	380	321	181	1830	300
Multiple	492	408	296	2448	354
Single	590	490	356	2938	425
CM7-3	385	323	181	1860	303
Multiple	524	409	317	2544	372
Single	629	491	380	3053	446
CM7-4	380	322	177	1840	300
Multiple	463	379	241	2257	359
Single	556	455	289	2709	431
CM7-5	387	323	179	1870	310
Multiple	484	391	277	2368	366
Single	580	469	333	2841	439
CM7-6	398	320	185	1890	310
Multiple	484	397	263	2356	362
Single	580	477	315	2827	435
SM7-23	116	83	5.4*	580	190
Multiple	134	52	45	708	232
Single	161	62	54	850	278

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 12-19-2000
Analysis Date: 12-20-2000

Analyst: LG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM5-8	409	345	178	1920	310
Multiple	475	449	241	2396	373
Single	570	539	289	2876	448
CM5-9	407	328*	178	1910	308
Multiple	475	446	241	2387	361
Single	570	536	289	2864	433
CM5-10	413	356	185	1950	305
Multiple	480	460	277	2453	336
Single	576	552	333	2943	403
CM5-11	435	368	197	2060	315
Multiple	478	443	256	2414	365
Single	573	531	307	2897	438
CM5-12	409	348	181	1920	295
Multiple	494	452	269	2485	380
Single	593	543	323	2982	456
CM6-1	409	361	185	1950	290
Multiple	510	460	278	2640	360
Single	612	552	334	3168	432
CM6-2	402	360	178	1940	290
Multiple	485	461	233	2352	364
Single	582	553	279	2822	436
CM6-3	409	354	181	1940	295
Multiple	488	454	224	2340	367
Single	586	544	269	2808	441
SM6-12	23*	14*	6.2*	520	240
Multiple	30	16	6	613	290
Single	36	19	7	736	348
SM7-23	116	79	6.2*	580	190
Multiple	134	52	45	708	232
Single	161	62	54	850	278

* - Denotes 5% change from previous sample.