

Description Ground water quality samples obtained from Christensen Ranch Mine Unit 5 excursion well 5MW-66
Formation(s) K2 or K3
Reference(s) 1, 7-10, 17-24, 27-30, 33-40, 42-44
Notes

Well Name		Ref.	Analyte Units Lab Method Sample Date	Cl mg/L	Alk mg/L	Alk as CaCO3 mg/L	EC umho/cm	Notes
5MW-66	1		10/4/1994	6.7		106	982	Baseline
5MW-66	1		10/4/1994	7.4		96.2	1021	Baseline
5MW-66	1		10/18/1994	7.4		103	968	Baseline
5MW-66	1		10/18/1994	7.6		97.8	953	Baseline
5MW-66	1		11/2/1994	8.2		109	860	Baseline
5MW-66	1		11/2/1994	8.4		91.7	852	Baseline
5MW-66	1		11/17/1994	7.8		108	894	Baseline
5MW-66	1		11/17/1994	7.9		94.2	857	Baseline
5MW-66	7			22.7	134.3		1004	Upper Control Limit
5MW-66	7		8/21/2001	24.6	220.4		1137	
5MW-66	7		8/22/2001	31.4	296.8		1270	
5MW-66	7		8/27/2001	21.9	216.1		1094	
5MW-66	8		9/4/2001	24.7	237.3		1133	
5MW-66	8		9/10/2001	24.2	231		1132	
5MW-66	8		9/17/2001	26.5	256.8		1163	
5MW-66	8		9/24/2001	27.8	277.3		1225	
5MW-66	9		10/1/2001	30.3	275.4		1225	
5MW-66	9		10/7/2001	27.3	270.7		1225	
5MW-66	9		10/15/2001	29.8	287.5		1226	
5MW-66	9		10/22/2001	33.2	292		1247	
5MW-66	9		10/29/2001	32.1	305.8		1253	
5MW-66	9		11/5/2001	25.9	277.7		1246	
5MW-66	9		11/12/2001	23.4	239.4		1177	
5MW-66	9		11/19/2001	20.6	214.2		1132	
5MW-66	9		11/26/2001	18.9	188.2		1085	
5MW-66	9		12/3/2001	18.5	180.2		1067	
5MW-66	9		12/10/2001	18.2	176.6		1043	
5MW-66	9		12/17/2001	15.3	160.1		1006	
5MW-66	9		12/26/2001	14.3	152.1		1013	
5MW-66	10		1/2/2002	13.1	140.5		959	

5MW-66	10	1/8/2002	13	134	978
5MW-66	10	1/14/2002	13.2	131.5	964
5MW-66	18	1/21/2004	16.1	113.8	942
5MW-66	18	4/13/2004	20.3	135.6	967
5MW-66	18	7/20/2004	24	166.4	1049
5MW-66	18	7/21/2004	24.1	175.1	1054
5MW-66	18	7/27/2004	24.4	170	1030
5MW-66	18	8/2/2004	26.4	189.8	1052
5MW-66	18	8/9/2004	25.4	180	1064
5MW-66	18	8/18/2004	23.6	161.3	1063
5MW-66	17	10/19/2004	30.4	209.2	1105
5MW-66	18	10/19/2004	30.4	209.2	1105
5MW-66	19	1/12/2005	31.1	227	1175
5MW-66	19	4/18/2005	33.5	243.5	1209
5MW-66	19	7/20/2005	35.4	244.5	1162
5MW-66	19	10/4/2005	29.8	150.7	1098
5MW-66	20	1/26/2006	32.3	241.1	1247
5MW-66	21	4/18/2006	32.4	250.7	1240
5MW-66	22	7/19/2006	27.5	183.6	1086
5MW-66	23	10/24/2006	30.3	275.2	1242
5MW-66	24	1/3/2007	33.9	284.4	1256
5MW-66	27	4/18/2007	41.8	389.6	1521
5MW-66	28	7/3/2007	34.6	332	1410
5MW-66	29	10/29/2007	39	378	1463
5MW-66	30	1/14/2008	37.6	384	1510
5MW-66	30	4/2/2008	40	347.6	1473
5MW-66	33	7/7/2008	36.6	358.4	1404
5MW-66	34	10/14/2008	37.6	349.5	1452
5MW-66	35	1/14/2009	38.2	363.2	1434
5MW-66	36	4/7/2009	36	340.4	1433
5MW-66	37	8/3/2009	36.6	333.4	1430
5MW-66	37	10/21/2009	35.8	330	1434
5MW-66	38	1/12/2010	37.6	358	1411
5MW-66	43	1/13/2010	37.6	358	1411
5MW-66	40	3/24/2010	37	259.1	1407
5MW-66	43	3/24/2010	37	259.1	1407
5MW-66	39	3/24/2010	33		1390
5MW-66	40	4/6/2010	38.2	319	1405
5MW-66	43	4/6/2010	38.2	319	1405
5MW-66	40	4/21/2010	36.2	297.8	1400

5MW-66	43	4/21/2010	36.2	297.8	1400
5MW-66	40	4/27/2010	38.3	306.4	1386
5MW-66	43	4/27/2010	38.3	306.4	1386
5MW-66	40	5/11/2010	37.2	335.2	1392
5MW-66	43	5/11/2010	37.2	335.2	1392
5MW-66	40	5/25/2010	40	352.8	1394
5MW-66	43	5/25/2010	40	352.8	1394
5MW-66	40	6/3/2010	42	360.2	1383
5MW-66	43	6/3/2010	42	360.2	1383
5MW-66	40	6/9/2010	35.2	328.2	1380
5MW-66	43	6/9/2010	35.2	328.2	1380
5MW-66	40	6/15/2010	36.2	314.2	1371
5MW-66	43	6/15/2010	36.2	314.2	1371
5MW-66	40	6/21/2010	43.8	318.8	1378
5MW-66	43	6/21/2010	43.8	318.8	1378
5MW-66	40	6/29/2010	35.8	327.4	1412
5MW-66	43	6/29/2010	35.8	327.4	1412
5MW-66	40	7/7/2010	36.2	313.8	1397
5MW-66	43	7/7/2010	36.2	313.8	1397
5MW-66	40	7/12/2010	36.6	324.4	1385
5MW-66	43	7/12/2010	36.6	324.4	1385
5MW-66	40	7/20/2010	31.6	309.2	1386
5MW-66	43	7/20/2010	31.6	309.2	1386
5MW-66	40	7/27/2010	38	322.4	1395
5MW-66	43	7/27/2010	38	322.4	1395
5MW-66	40	8/3/2010	34.8	346	1384
5MW-66	43	8/3/2010	34.8	346	1384
5MW-66	40	8/9/2010	37.2	348	1393
5MW-66	43	8/9/2010	37.2	348	1393
5MW-66	40	8/18/2010	34.4	328.2	1394
5MW-66	43	8/18/2010	34.4	328.2	1394
5MW-66	40	8/25/2010	38.2	370.2	1391
5MW-66	43	8/25/2010	38.2	370.2	1391
5MW-66	40	8/31/2010	38.4	352	1379
5MW-66	43	8/31/2010	38.4	352	1379
5MW-66	40	9/9/2010	37.6	360.6	1378
5MW-66	43	9/9/2010	37.6	360.6	1378
5MW-66	40	9/13/2010	37.2	348.2	1386
5MW-66	43	9/13/2010	37.2	348.2	1386
5MW-66	40	9/22/2010	36.6	356.8	1382

5MW-66	43	9/22/2010	36.6	356.8	1382
5MW-66	40	9/28/2010	32.6	317.8	1376
5MW-66	43	9/28/2010	32.6	317.8	1376
5MW-66	40	10/6/2010	33.9	345	1380
5MW-66	43	10/6/2010	33.9	345	1380
5MW-66	40	10/13/2010	38.6	363.4	1371
5MW-66	43	10/13/2010	38.6	363.4	1371
5MW-66	40	10/19/2010	36.6	350.4	1378
5MW-66	43	10/19/2010	36.6	350.4	1378
5MW-66	40	10/27/2010	36	334.8	1370
5MW-66	43	10/27/2010	36	334.8	1370
5MW-66	40	11/2/2010	33	320.4	1370
5MW-66	43	11/2/2010	33	320.4	1370
5MW-66	40	11/9/2010	31.8	312.4	1372
5MW-66	43	11/9/2010	32.2	314.4	1372
5MW-66	40	11/16/2010	32.6	320.8	1330
5MW-66	43	11/16/2010	32.6	320.8	1341
5MW-66	40	11/22/2010	32.6	315	1360
5MW-66	43	11/22/2010	32.6	315	1360
5MW-66	40	11/29/2010	32.6	328	1350
5MW-66	43	11/29/2010	32.6	328	1350
5MW-66	40	12/8/2010	25.6	134.3	1162
5MW-66	43	12/8/2010	25.6	192.6	1162
5MW-66	40	12/13/2010	25.2	195.3	1132
5MW-66	43	12/13/2010	25.2	195.3	1132
5MW-66	40	12/20/2010	25.2	192.4	1112
5MW-66	43	12/20/2010	25.2	192.4	1112
5MW-66	40	12/28/2010	27.8	185.2	1091
5MW-66	43	12/28/2010	27.8	185.2	1091
5MW-66	40	1/3/2011	29.3	177.6	1109
5MW-66	43	1/3/2011	29.3	177.6	1109
5MW-66	40	1/10/2011	23.7	153.5	1110
5MW-66	43	1/10/2011	23.7	153.5	1110
5MW-66	40	1/17/2011	22.9	154.7	1112
5MW-66	43	1/17/2011	22.9	154.7	1112
5MW-66	40	1/24/2011	24.5	193	1080
5MW-66	43	1/24/2011	24.5	193	1080
5MW-66	40	2/1/2011	22.5	185.9	1095
5MW-66	43	2/1/2011	22.5	185.9	1095
5MW-66	40	2/7/2011	22	198.2	1098

5MW-66	43	2/7/2011	22	198.2		1098
5MW-66	40	2/14/2011	21.7	188.1		1085
5MW-66	43	2/14/2011	21.7	188.1		1085
5MW-66	40	2/23/2011	20.1	124.4		986
5MW-66	43	2/23/2011	20.1	124.4		986
5MW-66	40	2/28/2011	20.6	129.4		990
5MW-66	43	2/28/2011	20.6	129.4		990
5MW-66	40	3/7/2011	19.3	130		985
5MW-66	43	3/7/2011	19.3	130		985
5MW-66	40	3/14/2011	20.9	125.7		985
5MW-66	43	3/14/2011	20.9	125.7		985
5MW-66	40	3/21/2011	21.2	135.9		991
5MW-66	43	3/21/2011	21.2	135.9		991
5MW-66	40	3/28/2011	20.3	136.1		985
5MW-66	43	3/28/2011	20.3	136.1		985
5MW-66	40	4/4/2011	19.4	137.9		983
5MW-66	43	4/4/2011	19.4	137.9		983
5MW-66	40	4/11/2011	19.2	128.5		983
5MW-66	43	4/11/2011	19.2	128.5		983
5MW-66	43	4/18/2011	20.4	130.9		988
5MW-66	43	4/25/2011	20.9	133.6		991
5MW-66	43	5/2/2011	20.7	137.7		995
5MW-66	43	5/9/2011	21.2	125.7		976
5MW-66	43	5/16/2011	21.4	124.8		973
5MW-66	43	5/23/2011	20.5	115.7		968
5MW-66	43	5/31/2011	19.5	117.3		965
5MW-66	43	6/20/2011	17.9	125.3		967
5MW-66	43	6/27/2011	18	128.9		971
5MW-66	43	9/21/2011	17.2	126.7		942
5MW-66	43	11/14/2011	17	133.4		950
5MW-66	43	12/1/2011	16.7	138.4		963
5MW-66	42	3/28/2012	23.9	237.2		1146
5MW-66	43	3/28/2012	23.9	244.1		1146
5MW-66	42	3/29/2012	23.4	235.7		1149
5MW-66	43	3/29/2012	23.4	235.7		1149
5MW-66	43	4/2/2012	21.8	215.1		1119
5MW-66	44	4/9/2012	14.7	135.1		901
5MW-66	44	4/16/2012	14.5	130		887
5MW-66	44	4/23/2012	18.5	127		897
5MW-66	44	5/1/2012	14.2	124.2		897

5MW-66	44	5/7/2012	14.2	121.7		896	
5MW-66	44	5/14/2012	15.4	111.8		885	