APPENDIX C

COLORADO OIL AND GAS CONSERVATION COMMISSION
1997-1999 WATER QUALITY DATA TABLES

Colorado Oil Gas Conservation Commission
Other Water Quality Data
Garfield County, Colorado

facility_id	TWP	RNG	sec	QTRQTR	P.M.	county _code	OWNERNAME	DATE	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/L)	Xylenes (total) (ug/l)	Butane (MG/L)	Ethane (MG/L)	Hexane (MG/L)	Methane (field) (MG/L)	Methane (lab) (MG/L)	Pentane (MG/L)	Propane (MG/L)	Bicarbonate as CaCO3 (MG/L)	Calcium, dissolved (MG/L)	Carbonate as CaCO3 (MG/L)	Cation-Anion Balance (%)	Chloride (MG/L)	Fluoride (MG/L)	Hydroxide as CaCO3 (MG/L)	Iron, total (MG/L)	Magnesium, dissolved (MG/L)	Manganese, dissolved (MG/L)	Nitrate as N, dissolved (MG/L)	Nitrate/Nitrite as N, dissolved (MG/L)	Nitrite as N, dissolved (MG/L)	PH, LAB (PH UNITS)	Potassium, dissolved (MG/L)	Residue, Filterable (TDS) @180 (MG/L)	Sulfate SO4 (MG/L)	Sodium, dissolved (MG/L)	Sum of Anions (meq/L)	Sum of Cations (meq/L)	TDS (ratio - measured/calculat (ratio)	TDS, Calc (MG/L)	Total Alkalinity (MG/L)
703181	6S	95W	21		6	045	Downing, John	07/11/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	247	54.5	U 2		16	0.2	U 2	0.02	30.4	U 0.005		1.34		8.1	7.7	550	120	62.3					247
703125	6S	95W	36		6	045	Allen, Ron	07/09/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	370	70.6	U 2		6	0.4	U 2	0.02	39.6	U 0.005		0.53		7.6	2.6	490	40	48					370
703041	6S	95W	36		6	045	Allen, William	06/11/98												425	80.8	U 2	-0.5	5	0.5	U 2	0.02	38.5	U 0.005	0.1	0.1	U 0.01	7.9	2.3	450	30	44.1	9.3	9.2	0.99	457	425
703042	6S	95W	36		6	045	Allen, William	06/11/98												309	57.9	U 2	0	2	0.4	U 2	0.08	32.5	U 0.005	2.04	2.04	U 0.01	8.2	2.7	340	10	23.3	6.6	6.6	1.05	323	309
703043	6S	95W	36		6	045	Bunn, Mike	06/11/98	U 0.5	U 1	U 1	U 1								394	75.9	U 2	-0.6	6	0.5	U 2	0.01	34.7	U 0.005	0.86	0.86	U 0.01	7.9	2.8	440	40	49.4	8.9	8.8	0.98	450	394
703045	6S	95W	36		6	045	Cloninger, Elaine	06/11/98	U 0.5	U 1	U 1	U 1								383	73.2	U 2	-0.6	10	0.4	U 2	U 0.01	34.8	U 0.005	0.9	0.9	U 0.01	8	3.2	440	50	52.4	9	8.9	0.96	458	383
703046	6S	95W	36		6	045	Cloninger, Elaine	06/11/98	U 0.5	U 1	U 1	U 1								381	73.8	U 2	0.6	10	0.4	U 2	U 0.01	35	U 0.005	0.89	0.89	U 0.01	7.9	3.1	440	40	52.9	8.8	8.9	0.98	448	381
703127	6S	95W	36		6	045	Garcia, Gabriale	07/09/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	309	72.9	U 2		5	0.2	U 2	0.02	27.2	0.006		0.91		7.4	3.8	430	30	35.9					309
703126	6S	95W	36		6	045	Mahaffey, Gary	07/09/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	288	63.7	U 2		4	0.4	U 2	U 0.01	28.5	U 0.005		1.31		7.6	2.7	400	20	31.6					288
703034	7S	95W	2		6	045	Binzer, Fred	06/10/98	U 0.5	U 1	U 1	U 1								343	14.8	U 2	2.6	1	0.5	U 2	0.01	29.9	U 0.005	1.88	1.88	U 0.01	8.1	2.4	390	30	108	7.6	8	0.97	401	343
703100	7S	95W	2		6	045	Clark, David	06/12/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	371	12.5	U 2		1	0.6	U 2	0.02	22.3	U 0.005		1.05		8.2	2.2	440	50	146					371
703035	7S	95W	2		6	045	Rice, John	06/10/98												353	20.5	U 2	1.9	U 1	0.4	U 2	0.02	32	U 0.005	0.9	0.9	U 0.01	8.1	2.3	390	30	99	7.7	8	0.98	400	353
703061	7S	95W	3		6	045	Leatherman, Linda	06/09/98												331	47.4	U 2	0.7	U 1	0.5	U 2	U 0.01	37.2	U 0.005	0.88	0.88	U 0.01	7.9	1.1	340	20	41.9	7.1	7.2	0.97	351	331
703062	7S	95W	3	NESWSW	6	045	Raines, Christi	06/09/98	U 0.5	0.87	U 1	U 1								312	32.8	4	3.4	3	0.4	U 2	0.01	40.6	U 0.005	2.69	2.69	U 0.01	7.9	2	360	30	61	7.2	7.7	0.97	373	317
703062	7S	95W	3	NESWSW	6	045	Raines, Christi	09/17/99	U 0.2	U 0.2	U 0.2	U 0.2				U 0.0005	U 0.0008																									
703060	7S	95W	3	SWNWSW	6	045	Kreht, Hank	06/09/98	U 0.5	0.96	U 1	1								308	27.5	U 2	2.8	3	0.4	U 2	0.01	36.4	U 0.005	2	2	U 0.01	8	2.8	360	30	68.5	7	7.4	0.99	362	308
703060	7S	95W	3	SWNWSW	6	045	Kreht, Hank	09/17/99	U 0.2	0.31	U 0.2	0.49				U 0.0005	U 0.0008																									
703071	7S	95W	4		6	045	1st Spring on 309, 1st Spring	06/10/98												366	51.9	15	0.6	3	0.2	U 2	0.06	43.1	U 0.005	0.49	0.49	U 0.01	8.4	2.1	400	20	47.4	8.1	8.2	0.99	404	381
703033	7S	95W	4		6	045	2nd Spring, 2nd Spring on CR 3	06/10/98												309	51.4	23	1.6	15	0.3	U 2	0.71	50.3	U 0.005	2.33	2.34	0.01	8.5	2.4	520	110	70.2	9.5	9.8	1	518	332
703072	7S	95W	4		6	045	3rd Spring on CR 309,	06/10/98	U 0.5	1	U 1	U 1								355	33	48	1.8	9	0.4	U 2	0.14	45.7	U 0.005	0.17	0.17	U 0.01	8.8	4.2	570	110	126	10.7	11.1	0.97	590	403
703072	7S	95W	4		6	045	3rd Spring on CR 309,	09/17/99	U 0.2	U 0.2	U 0.2	U 0.2				U 0.0005	U 0.0008																									
703069	7S	95W	4		6	045	Cray, Tom	06/10/98												376	46.4	U 2	0.6	2	0.4	U 2	0.08	45.6	U 0.005	1.24	1.24	U 0.01	7.7	2.2	370	10	44	7.9	8	0.97	382	376
703070	7S	95W	4	SWNW	6	045	Lawrence, James	06/10/98	U 0.5	0.88	U 1	U 1								359	42.3	U 2	0.6	3	0.3	U 2	U 0.01	43.6	U 0.005	1.34	1.34	U 0.01	7.8	2.5	390	20	50.8	7.8	7.9	1.02	384	359
703070	7S	95W	4	SWNW	6	045	Lawrence, James	09/17/99	U 0.2	U 0.2	U 0.2	U 0.2				U 0.0005	U 0.0008																									
703056	7S	95W	10		6	045	Austin, Donna	06/09/98												214	44	U 2	2.1	U 1	0.6	U 2	U 0.01	24	U 0.005	0.09	0.09	U 0.01	7.7	1	240	20	17.3	4.7	4.9	1.02	236	214
703098	7S	95W	10		6	045	Botkin, Guy	06/12/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	356	39	U 2		2	0.2	U 2	0.02	40.5	U 0.005		2.01		7.8	1.6	380	60	65.6					356
703099	7S	95W	10		6	045	Chesley, Rene	06/12/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	308	35.3	U 2		10	0.8	U 2	0.13	28.2	0.005		0.41		7.8	2.2	510	130	127					308
703055	7S	95W	10		6	045	Craig, David & Rose	06/09/98	U 0.5	U 1	U 1	U 1								292	64.8	U 2	5.3	5	0.4	U 2	0.03	36.2	U 0.005	1.36	1.36	U 0.01	7.6	1.2	400	50	38.4	7.1	7.9	1.06	377	292
703053	7S	95W	10		6	045	Evans, Billie	06/09/98	U 0.5	U 1	U 1	U 1								319	37.3	U 2	3.3	6	0.2	U 2	0.02	41.3	U 0.005	2.05	2.05	U 0.01	7.7	2.6	380	30	57.6	7.3	7.8	1.01	375	319
703162	7S	95W	10		6	045	Haire, Susan	07/09/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	244	26.4	U 2		1	0.4	U 2	U 0.01	33.8	U 0.005		0.78		7.8	1.3	310	20	39.6					244
703064	7S	95W	10		6	045	Manahney, Ken	06/09/98	U 0.5	U 1	U 1	U 1								333	49	U 2	2.7	6	0.4	U 2	0.02	33	U 0.005	0.85	0.85	U 0.01	7.6	1.5	380	20	58.5	7.3	7.7	1.02	372	333
703054	7S	95W	10		6	045	McCarty, Patrick	06/09/98												337	29.7	U 2	4	2	0.3	U 2	0.01	38.8	U 0.005	0.87	0.87	U 0.01	7.7	1.9	380	20	71	7.2	7.8	1.03	370	337
703128	7S	95W	10		6	045	Moore, Don	07/09/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	347	31.4	U 2		3	0.3	U 2	U 0.01	40.3	U 0.005		1.46		8	2.1	420	30	76.2					347
703161	7S	95W	10		6	045	Nelson, Glen	07/09/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	288	28.2	U 2		4	0.3	U 2	0.03	39.9	U 0.005		1.72		7.8	2	370	40	55.9					288
703058	7S	95W	10		6	045	Taylor, Kathleen	06/09/98	U 0.5	U 1	U 1	U 1								310	34.8	U 2	2.8	3	0.3	U 2	0.02	42.1	U 0.005	1.17	1.17	U 0.01	7.8	1.9	340	30	49.1	7	7.4	0.96	352	310
703059	7S	95W	10		6	045	Turell, Pam	06/09/98												230	44	U 2	3.2	5	0.6	U 2	U 0.01	37.3	U 0.005	4.82	4.82	U 0.02	7.8	1.4	340	50	29.5	6.1	6.5	1.04	327	230
703057	7S	95W	10	SWNE	6	045	Hayward (Mills), Craig	06/09/98	U 0.5	0.58	U 1	U 1								351	53.1	U 2	2.2	7	0.3	U 2	0.02	43.3	U 0.005	0.41	0.41	U 0.01	7.5	U 0.3	450	70	67.7	8.7	9.1	0.99	454	351
703057	7S	95W	10	SWNE	6	045	Hayward (Mills), Craig	09/17/99	U 0.2	U 0.2	U 0.2	U 0.2				U 0.0005	U 0.0008																									
703063	7S	95W	11		6	045	Paulis, Susan	06/09/98												304	29.5	4	2.9	6	0.3	U 2	0.02	35.2	U 0.005	0.93	0.93	U 0.01	7.8	1.8	350	20	65.5	6.8	7.2	1	349	308
703201	7S	95W	11		6	045	Wiessner, Arthur	08/06/99	U 0.4	U 0.4	U 0.4	U 0.4					U 0.0012				11				U 0.4		U 0.2	14	U 0.1				8.31	2.6			44					245
703036	7S	95W	12		6	045	Near Cottonseed Creek, Spring	06/10/98												81	20.9	U 2	3	U 1	0.1	U 2	0.49	5.2	U 0.005	0.03	0.04	0.01	7.4	1	110	U 10	6.5	1.6	1.7	1.33	83	81
703036	7S	95W	12		6	045	Near Cottonseed Creek, Spring	06/11/98	U 0.5	U 1	U 1	U 1								386	64.8	U 2	0.4	37	0.9	U 2	0.25	53	U 0.005	1.48	1.48	U 0.01	8	3.4	650	160	107	12.3	12.4	0.98	664	386
703052	7S	95W	12		6	045	Ward, Patricia	06/12/98												324	82.6	U 2	0.7	6	0.5	U 2	U 0.01	23.7	U 0.005	0.83	0.83	U 0.01	8.1	1.8	330	20	24.6	7.1	7.2	0.92	357	324
703096	7S	95W	17		6	045	Rivellie, Barbara	06/12/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	334	57.4	U 2		8	0.3	U 2	0.38	41.7	U 0.005		1.31		7.6	3.1	470	110	48.8					334
703097	7S	95W	17		6	045	Winter, Alvin	06/12/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	304	25.1	U 2		3	0.4	U 2	0.01	22.9	U 0.005		0.34		7.9	4.3	340	20	68.4					304
703164	7S	95W	20		6	045	Martin, Mari	07/09/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	422	159	U 2		60	0.6	U 2	0.15	142	U 0.01		7.6		7.3	4.5	2670	1340	470					422
703163	7S	95W	23		6	045	O'Neal, Monte	07/09/97					U 0.002	U 0.002	U 0.002		U 0.002	U 0.002	U 0.002	422	87.8	U 2		10	0.3	U 2	0.12	45.2	U 0.005		0.16		7.3	1.9	530	50	37.4					422
703137	7S	94W	4		6	045	Bernklau, Carl	09/19/97												301	75.1	U 2	-0.6	17	0.2	U 2	0.09	29.6	0.012		2.24		7.9	3.4	420	80	44.6	8.3	8.2	0.95	440	301
703137	7S	94W	4		6	045	Bernklau, Carl	10/22/97																								8										
703138	7S	94W	4		6	045	Bernklau, Carl	09/19/97												304	76.6	17	2.6	27	0.3	U 2	U 0.01	37	U 0.005		2.22		8.3	3.7	490	90	62.4	9.2	9.7	0.97	506	321
703138	7S	94W	4		6	045	Bernklau, Carl	10/22/97																								8										
703190	7S	94W	4		6	045	Mackley, Arnold	09/19/97												320	77.1	18	2.2	15	0.2	U 2	0.01	37.6	U 0.005		1.9		8.3	3.8	460	70	50.8	8.8	9.2	0.97	473	338
703190	7S	94W	4		6	045	Mackley, Arnold	10/22/97																								8										
703050	7S	94W	6		6	045	Amer, Sandra	06/12/98	U 0.5	U 1	U 1	U 1								320	56.2	U 2	-2.2	2	0.3	U 2	U 0.01	31.7	U 0.005	1.75	1.75	U 0.01	7.9	2.3	310	20	30	7	6.7	0.91	342	320
703049	7S	94W	7		6	045	Haubauer, Walter	06/12/98												291	63.6	U 2	0	4	0.3	U 2	0.04	20.2	U 0.005	1.22	1.22	U 0.01	8	3.2	320	20	34.4	6.4	6.4	0.98	326	291
703051	7S	94W	7		6	045	Jacobs, Karla	06/12/98												199	53.3	U 2	3.6	U 1	0.4	U 2	0.03	13.9	U 0.005	0.29	0.29	U 0.01	7.9	1.1	230	U 10	10.7	4	4.3	1.15	200	199
703139	7S	94W	16		6	045	Bernklau, Carl	09/19/97												324	70.4	20	2.1	16	0.3	U 2	0.25	41.6	0.008		3.27		8.4	4.1	490	90	64.8	9.4	9.8	0.95	516	343
																																7.7										