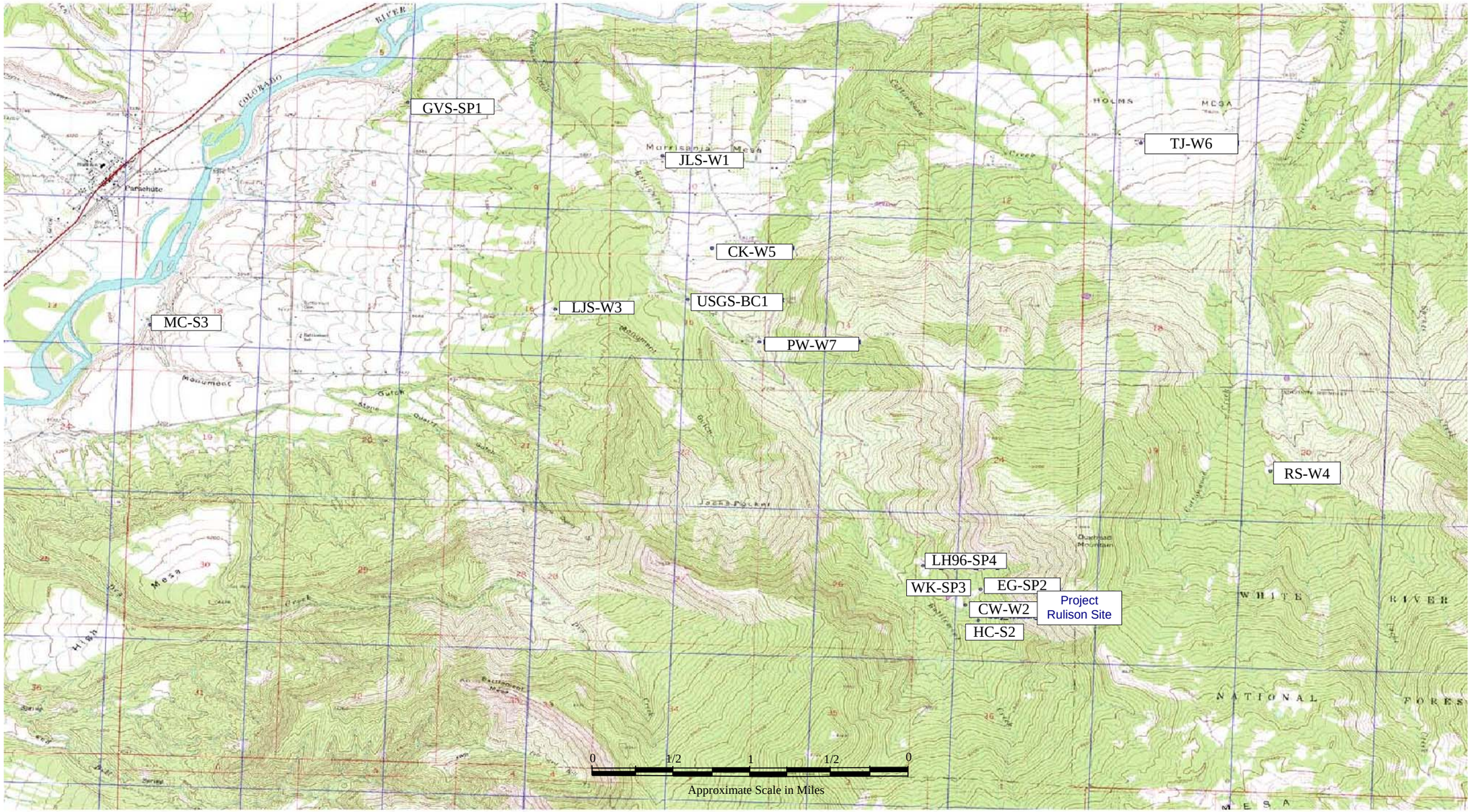
FIGURES AND TABLES



LEGEND:

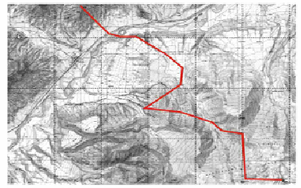
JLS-W1: Jaunita Satterfield (Well)
USGS-BC1: Battlement Creek (Surface)
CW-W2: Carey Weldon (Well)
HC-S2: Hayward Creek (Surface)
LJS-W3: Lynn Shore (Well)
GVS-SP1: Grand Valley (Springs)
RS-W4: Roy Savage (Well)
EG-SP2: Ethel Gardner (Spring)
WK-SP3: Wesley Kent (Spring)
LH96-SP4: Hayward 96 Ranch (Spring)
CK-W5: Christy Koeneke (Well)
TJ-W6: Tim and Karla Jacobs (Well)
PW-W7: Pat and Randy Warren (Well)
MC-S3: Monument Creek (Surface)

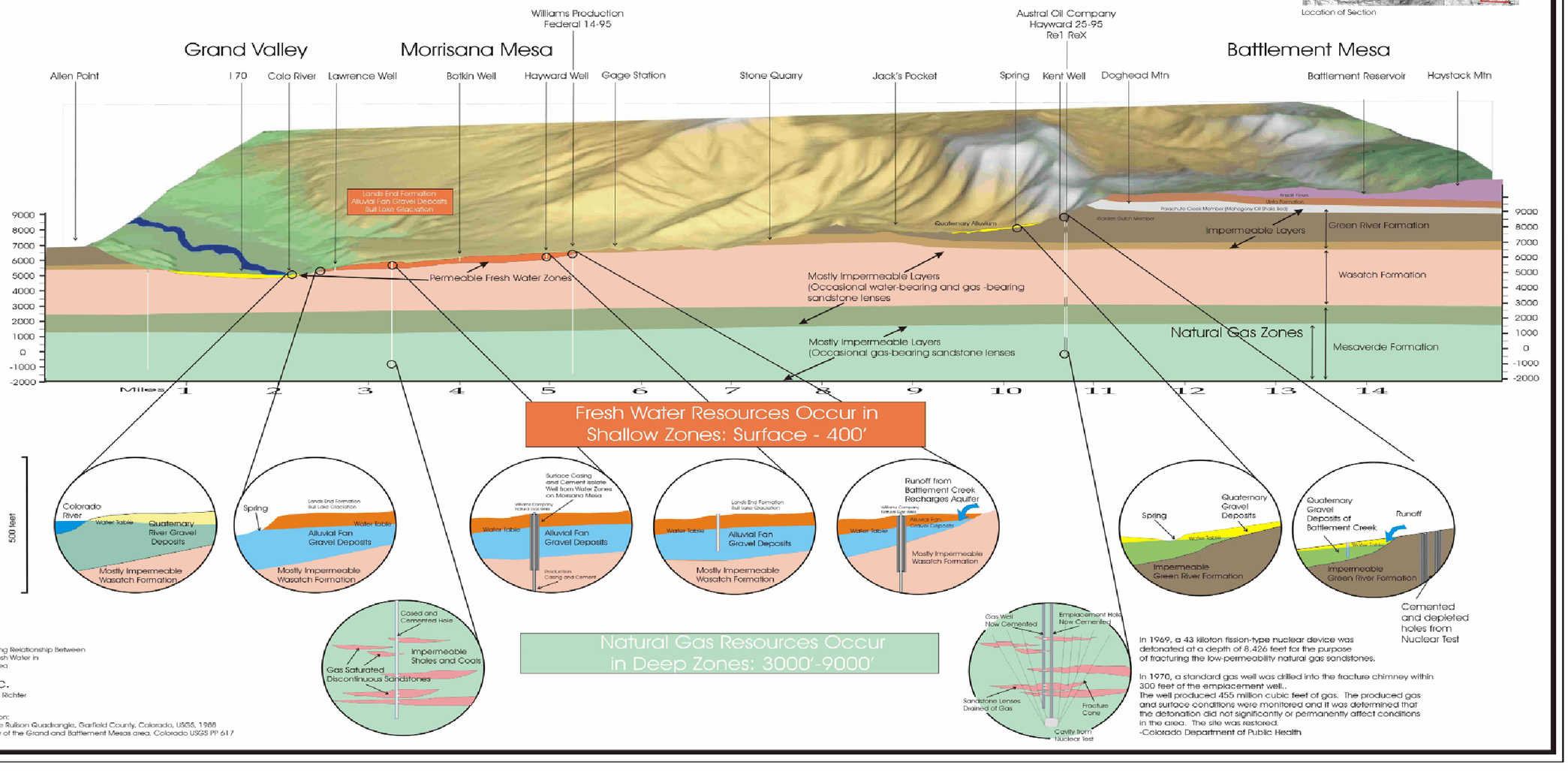
Figure 1
Water Sampling Locations
PRESCO Inc.
2006 Annual Monitoring
Battlement Mesa,
Garfield County, Colorado

Revision Date:	03/28/07
Revision Number	
Revised by:	JWH
Approved by:	
Project Number:	E04243
Scale:	As Shown

CORDILLERAN

Cross Section Showing Relationship Between Natural Gas and Fresh Water in Battlement Mesa Area





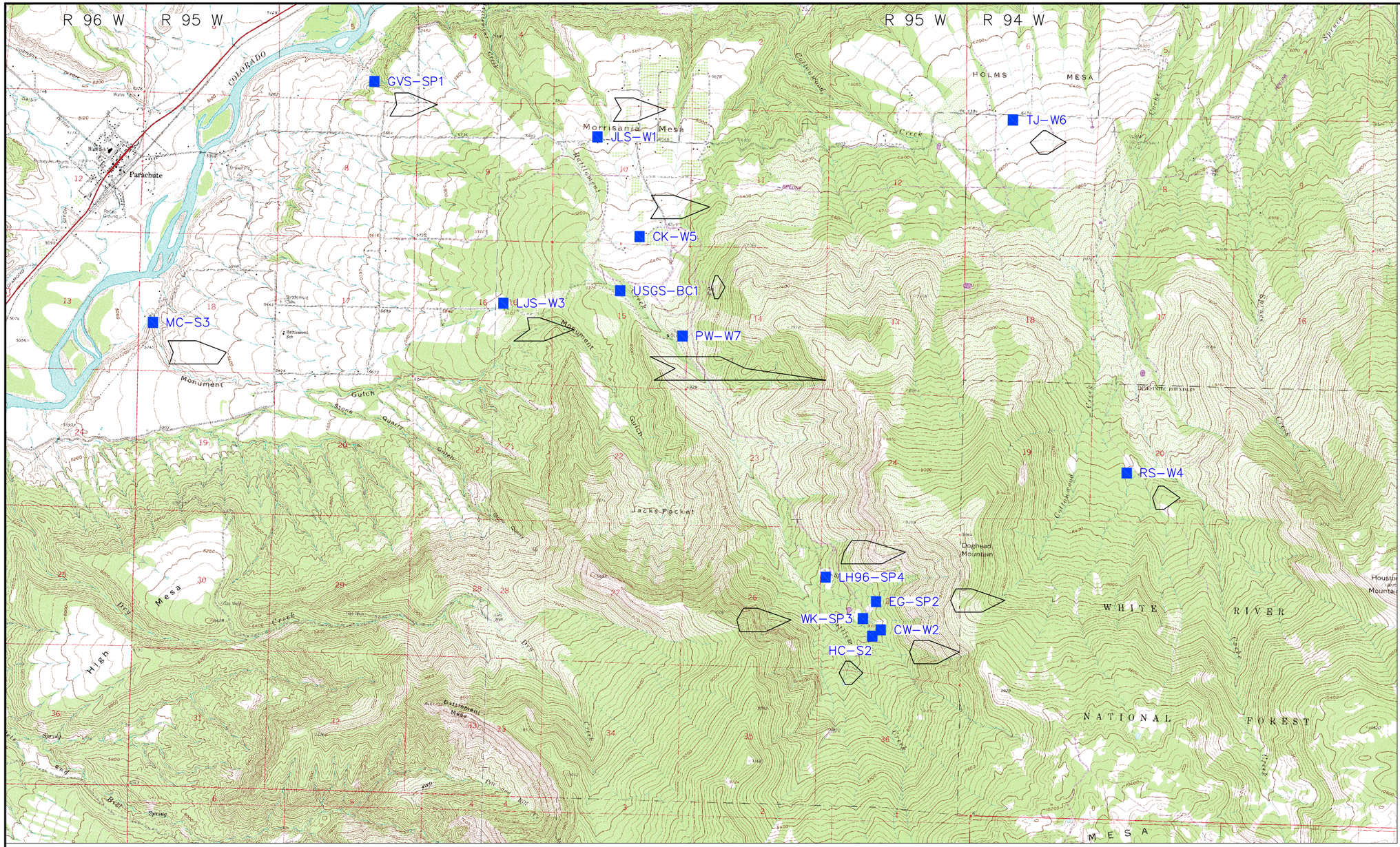
Block Diagram Prepared by Brian E. Richter – US Capital Energy

Figure 2
Hydrogeologic Block Diagram of Battlement Mesa

PRESCO Inc.
Baseline and Ongoing Water Monitoring
2006 Annual Report
Battlement Mesa, Garfield County, Colorado

Revision Date:	06/01/06
Revision Number	
Revised by:	JWH
Approved by:	
Project Number:	E04243
Scale:	As Shown

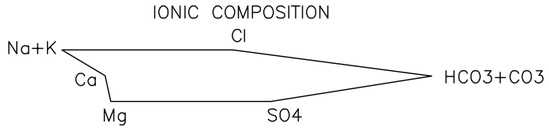
CORDILLERAN



LEGEND

■ Water Sample Location

IONIC COMPOSITION



JLS–W1: Jaunita Satterfield (Well)
USGS–BC1: Battlement Creek (Surface)
CW–W2: Carey Weldon (Well)
HC–S2: Hayward Creek (Surface)
LJS–W3: Lynn Shore (Well)
GVS–SP1: Grand Valley (Springs)
RS–W4: Roy Savage (Well)

EG–SP2: Ethel Gardner (Spring)
WK–SP3: Wesley Kent (Spring)
LH96–SP4: Hayward 96 Ranch (Spring)
CK–W5: Christy Koeneke (Well)
TJ–W6: Tim and Karla Jacobs (Well)
PW–W7: Pat and Randy Warren (Well)
MC–S3: Monument Creek (Surface)

In addition to the 14 samples listed above, one partial duplicate sample (JHD–SP5) and one complete duplicate (RW–W8) were also collected and submitted for laboratory analysis.

FIGURE 3
Stiff Diagrams of Water Quality
PRESCO Inc.
Baseline Water Sampling Locations
2006
Battlement Mesa, Garfield County, Co

REVISION DATE:	4/4/07
REVISION NUMBER:	00#
DRAWN BY:	RJV
APPROVED BY:	JH
PROJECT #	E04243
SCALE:	AS SHOWN

CORDILLERAN

M:\CLIENTS\CORDILLERAN\PRESCO\PRESCO-BASE-1-STIFF-2006.DWG 04/04/2007 2:27PM

Table 1
PRESCO, INC
2006 Annual Water Quality Report

Water Well Completion Data and Water Source Hydrogeology

Sample Location	Sample ID	Sample Type	TWP	RNG	SEC	QTR/QTR	P.M.	CSEO-WRD Permit Number	Screened Interval (feet)	Reported Yield (gpm)	Static Water Level (feet)	Well Depth (feet)	Comments
Juanita Satterfield Well	JLS-W1	Well	7S	95W	10	NE NW	6	56086F	104-125	15		150	Guy Botkin Well: alluvial fan deposits, alluvial terrace deposits
USGS Gauging Station on Battlement Creek	USGS-BC1	Surface	7S	95W	15	NE SE	6	N/A	N/A	N/A	N/A	N/A	Battlement Creek Surface Water: modern alluvium
Cary Weldon Well	CW-W2	Well	7S	95W	25	NE SW	6	201786	60 - 90	15	43	98	NP 6/25/02 C. Weldon Well: 0-60 ft clays/silt and clays; 60 - 90 ft gravels, 90 - 98 ft Wasatch Fm
Hayward Creek Sample	HC-S2	Surface	7S	95W	25	NE SW	6	N/A	N/A	N/A	N/A	N/A	Hayward Creek Surface Water: modern alluvium
Lynn Shore Well	LJS-W3	Well	7S	95W	16	SW NE	6	175435	160-220	7	160	220	Lynn Shore Well: 0-220 ft volcanic rock, clays (colluvium/alluvium) mudflow and fan-gravel deposits
Grand Valley Springs	GVS-SP1	Springs	7S	94W	5	SW SE	6	N/A	N/A	N/A	N/A	N/A	Grand Valley Springs: alluvial fan deposits
Joan Savage Well	RS-W4	Well	7S	94W	20	NE SW	6	230057	120-150	15	93	150	Joan Savage Well: 0-53 ft clays, cobbles; 53 - 151 ft clays cobbles, volcanics (colluvium/alluvium)
Ethel Gardner Spring	EG-SP2	Spring	7S	95W	25	SE NW	6	N/A	N/A	N/A	N/A	N/A	Ethyl Gardner Spring: colluvium/alluvium mudflow and fan-gravel deposits
Wesley Kent Spring	WK-SP3	Spring	7S	95W	25	NE SW	6	N/A	N/A	N/A	N/A	N/A	Wesley Kent Spring: colluvium/alluvium mudflow and fan-gravel deposits
Lee Hayward Spring	LH96-SP4 JHD-SP5	Spring	7S	95W	25	SW NW	6	N/A	N/A	N/A	N/A	N/A	L. Hayward Spring: colluvium/alluvium mudflow and fan-gravel deposits
Christy Koeneke	CK-W5	Well	7S	95W	10	SE NW	6	924		10	90	115	Lee & Anna (March 1958): 0-16 ft general formation, 16 -91 ft brown clay, 91-115 ft blue sand w/ a lava rock now and then
Tim and Karla Jacobs	TJ-W6	Well	7S	94W	7	NE NW	6	60324	90-142	15	71	142	Tim Jacobs well: 0-142 ft volcanic rocks, clays, gravels (colluvium/alluvium)
Pat and Randy Warren	PW-W7	Well	7S	95W	15	NE SE	6	238033	215 - 240	11	173	250	Pat & Randy Warren Well: 0-160 ft volcanic rocks, dirt; 160-215 ft clays, dirt; 215-240 ft volcanic cobbles, 240 -250 ft Wasatch Fm
Monument Creek	MC-S3	Surface	7S	95W	18	NW SW	6	N/A	N/A	N/A	N/A	N/A	Monument Creek Surface Water: modern alluvium

Notes:
gpm - gallons per minute
N/A - not applicable
TWP - township Sec - Section (typically 1 square mile: 640 acres) P.M. - Principal Meridian
RNG - range Qtr/Qtr - quarter/quarter (160 acres; 40 acres)

CSEO - Colorado State Engineer's Office Division of Water Resources Water Well Permits and drilling log descriptions
Comments contain descriptions from the Geologic Map of the Rulison Quadrangle, Garfield County, Colorado by Warren E. Yeend, John R. Donnell, and Marjorie C. Smith, 1988 (Map MF:2060) 1:24,000

TABLE 2

Laboratory Analytes Reference Table
Presco Inc., Battlement Mesa Development
2004 Baseline/2006 Annual Water Sampling

Analytes	Laboratory Method	Sample Container	Preservatives Storage	Holding Times
BTEX, MTBE	8021B	(2) 40 ml glass vials	HCl, Ice (4ºC)	14 days
Methane	RSK175M	(3) 40 ml glass vials	HCL, Ice (4ºC)	14 days
Major Anions (Br, Cl, F, HCO_3, PO_4, SO_4, NO_2/NO_3)	300.0 by IC	(1) 125-ml polyethylene	Unpreserved Ice (4ºC)	28/2 (NO_2, NO_3, PO_4) days
Sulfate Reducing, Iron Related and Slime Forming Bacteria	Plate Count EPA 375.4 HACH 8051	(1) 120-ml sterilized specimen cup	Unpreserved Ice (4ºC)	24 Hours Grand Junction Laboratories
Alkalinity	SM 2320B	(1) 250-ml polyethylene bottle	Unpreserved Ice (4ºC)	14 days
Hydrogen Sulfide (H_2S)	SW 846 7.3	500-ml polyethylene bottle	Preserved with zinc acetate Ice (4ºC)	28 days
Total Dissolved Solids	SM2540 C	500-ml polyethylene bottle	Unpreserved Ice (4ºC)	7 days
Ammonia (NH_3)	SM 4500-NH3F	500-ml polyethylene bottle	Preserved with sulfuric acid (H_2SO_4) Ice (4ºC)	28 days
Total Metals (Major Cations: B, Ca, Fe, K, Na, Mg, Mn, Se)	E 200.7 ICP E 200.8 (B, Se)	500-ml polyethylene bottle	Preserved with nitric acid (HNO_3) Ice (4ºC)	180/28 (Hg)
Tritium	Convention Distillation M 906.0	(2) 40 ml glass vials	Unpreserved Ice (4ºC)	
Gamma Spectrometry	HpGe detector EPA 901.1	3.5L cubitainer	Unpreserved Ice (4ºC)	

Evergreen Analytical Laboratory – Wheat Ridege, CO
Paragon Analtyics – Fort Collins, CO
Grand Junction Laboratories – Grand Junction, CO
ACZ Laboratory – Steamboat Springs, CO

TABLE 3

Radionuclides of Interest Action Levels

2006 Annual Water Quality Report

PRESCO, Inc. - Battlement Mesa, Garfield County, Colorado

					Inhalation					Ingestion
Radionuclide	**Class/f1**	**Half Life (Years)**	**Radiation Type**	**Energy (MeV)**	**ALI (MBq)**	**ALI (µCi)**	**ALI (pCi)**	**DAC (MBq/m^3)**	**DAC ($\mu Ci/cm^3$)**	**ALI (MBq)**
Hydrogen										
Tritium (H-3)	Water Vapor	12.35	Beta (b)	0.019	3,000	80,000	80,000,000	0.8	0.00002	3,000
	Elemental			NE	NE	NE	NE	20,000	0.5	
Carbon-14 (C-14)	Compounds*	5,730	Beta (b)	0.16	90	2,000	2,000,000	0.04	0.000001	90
	CO				60,000	2,000,000	2.00E+09	30	0.0007	
	CO_2				8,000	200,000	2.00E+08	3	0.00009	
Krypton-85 (Kr-85)	Sub	10.72	Beta (b)	0.25						
			Gamma (g)	0.0022	NE	NE	NE	5	0.0001	NE

ALI - Annual Limits on Intake
DAC - Derived Air Concentrations
MBq - Mega Becquerel
µCi - microcuries
pCi - picocures
NE - none established
* Labelled Organic Compounds
ALIs and DACs are not available for other tritiated compounds. Under normal conditions, hydrogen gas may rapidly convert to water vapor form.
Sub' denotes situations in which exposure is submersion-limited. Elements in ' vapor' form deposited in lung are assumed to be totally taken up by blood.
Since all three are beta emitters, the EPA drinking water standard is 4 mrem/year.

Table 4
2006 Annual Water Sampling Field Parameters
Presco Inc. - Battlement Mesa, Garfield County, Colorado

Sample Location	Sample ID	Date	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	pH (pH units)	Total Dissolved Solids (TDS) (g/L)	Saturated Dissolved Oxygen (%)	Turbidity (NTU)	Purge Rate (gpm)	Ludlum Survey Meter 0.1x (CPM)	Comments
Juanita Satterfield Well	JLS-W1	11/9/2004	11.09	0.688	3.20	8.10	0.4	35.5	5.9	10	< 150	Clear, dinking water, no odor, no sheen,
	JLS-W1	10/18/2005	11.05	0.711	2.09	7.55	0.5	22.7	7.6	NM	50	Clear, slight effervescence, no odor, no sheen
	JLS-W1	10/17/2006	14.00	0.693	5.31	7.31	0.4	62.2	88.0	5	100	Clear, no odor, no effervescence
USGS Gauging Station on	USGS-BC1	11/9/2004	3.20	0.213	3.97	8.70	0.1	36.2	6.2	NA	< 150	Clear to slightly turbid, no odor, no sheen
Battlement Creek	USGS-BC1	10/17/2005	5.91	0.228	1.64	7.69	0.2	15.7	28.6	NA	60	Slightly turbid, opaque, no odor, no sheen, no effervescence
	USGS-BC1	10/16/2006	5.26	0.177	10.13	7.60	0.1	88.8	88.1	NA	100	Turbid, no effervescence, no odor
Cary Weldon Well	CW-W2	11/9/2004	7.25	0.660	2.80	7.86	0.4	28.3	0.9	15	< 150	Clear, no odor, no sheen,
	CW-W2	10/17/2005	9.39	0.691	1.50	7.41	0.4	15.8	7.0	NM	60	Clear, no odor, no sheen, no effervescence
	CW-W2/CW-W902	10/16/2006	7.27	0.706	5.68	7.21	0.5	55.3	59.8	10	120	Clear, no odor, no effervescence, no particulates (Replicate CW-W902)
Hayward Creek Sample	HC-S2	11/9/2004	3.15	0.309	3.86	8.62	0.2	35.0	7.4	NA	< 150	Clear, no odor, no sheen
	HC-S2	10/17/2005	3.79	0.305	1.76	7.64	0.2	16.0	21.6	NA	50	Slightly turbid, fine sediment, no odor, no sheen, no efferv
	HC-S2	10/16/2006	5.33	0.288	8.13	7.64	0.2	77.5	87.4	NA	80	Water was cloudy, turbid, silty, slight effervescence
Lynn Shore Well	LJS-W3	11/9/2004	11.53	0.653	3.12	8.12	0.4	34.8	29.3	NM	< 150	Clear, no odor, no sheen, no effervescence
	LJS-W3	10/17/2005	16.12	0.678	0.87	7.58	0.4	10.6	57.4	NM	50	Clear, no odor, no sheen, no effervescence
	LJS-W3	10/16/2006	12.18	0.69	5.11	7.50	0.4	63.3	6.16	NM	50	Clear, no odor, no sheen, no effervescence
Grand Valley Springs	GVS-SP1	11/10/2004	13.30	0.534	3.79	8.00	0.3	43.2	10.6	NM	150	Clear, no sheen, no odor, no effervesence
	GVS-SP1	10/18/2005	10.86	0.566	1.42	7.25	0.4	15.5	10.7	NM	60	Clear, humic material, no sheen, no odor, no effervescence
	GVS-SP1	10/17/2006	12.97	0.616	4.17	7.30	0.4	47.9	60	15	100	Clear, no effervescence, no odor, moss/organics
Joan Savage Well	RS-W4	11/10/2004	5.46	0.302	2.97	8.83	0.2	28.3	2.3	NM	< 150	Clear, no effervescence, no odor, no sheen
	RS-W4	11/18/2005	6.25	0.283	6	8.93	0.2	62.5	30.8	10	60	Clear, no effervescence, no odor, no sheen
	RS-W4	10/20/2006	7.91	0.277	5.38	8.35	0.2	53.2	26.1	4.5	NM	Clear, no odor, no efferevescence
Ethel Gardner Spring	EG-SP2	11/10/2004	6.25	0.713	3.18	7.95	0.5	31.3	2.7	NA	< 150	Clear, no odor, no sheen, no effervescence
	EG-SP2	10/17/2005	6.62	0.755	1.56	7.44	0.5	15.4	7.2	NA	150	Clear, no odor, no sheen, no effervescence
	EG-SP2/EG-SP902	10/16/2006	6.85	0.784	4.88	7.21	0.5	48.6	61.9	NA	150	Turbid to clear, no odor, no sheen, no effervescence Duplicate: EG-SP902
Wesley Kent Spring	WK-SP3	11/10/2004	6.77	0.649	3.19	7.79	0.4	32.8	1.2	15	< 150	Clear, no odor, no sheen, no effervescence
	WK-SP3/WK-SP3D	10/17/2005	10.24	0.704	1.24	7.41	0.5	13.4	7.3		120	Clear, no odor, no sheen, no effervescence, Duplicate: WK-SP3D
	WK-SP3	10/16/2006	9.94	0.753	5.19	7.24	0.5	55	63	NM	100	Clear, no odor, no sheen, no effervescence
Lee Hayward Spring	LH96-SP4 JHD-SP5	11/10/2004	6.40	0.875	3.45	7.87	0.6	33.5	1.9	NM	< 150	Clear, no odor, no sheen, no effervescence
Judi Hayward Duplicate	JHD-SP5	11/10/2004	6.40	0.875	3.45	7.87	0.6	33.5	1.9	NM	< 150	Clear, no odor, no sheen, no effervescence, partial duplicate JHD-SP5 (BTEX)
	LH96-SP4	10/17/2005	9.47	0.91	1.58	7.33	0.6	16.7	6	1.5	120	Clear, no odor, no sheen, no effervescence
	LH96-SP4	10/16/2006	7.54	0.939	5.06	7.19	0.6	5.08	69.1	10	110	Clear, no odor, no sheen, no effervescence, sample collected from house bib
Christy Koeneke	CK-W5	12/2/2004	9.27	0.731	3.82	7.82	0.5	46.8	30.3	7.5	NM	Clear, no odor, no sheen
	CK-W5/CK-W5D	10/18/2005	10.99	0.803	2.00	7.53	0.5	21.9	10.9	NM	50	Clear, moderate effervescence, no odor, no sheen, Duplicate: CK-W5D
	CK-W5	10/17/2006	11.4	0.835	5.36	7.35	0.5	59.2	65.3	NM	100	Clear, efferevescence, no odor, no sheen, collected from house hose bib
Tim and Karla Jacobs	TJ-W6	12/2/2004	7.78	0.348	5.83	7.83	0.2	65.2	9.6	10	NM	
	TJ-W6	10/18/2005	7.72	0.404	2.27	7.64	0.3	22.8	10.5		50	Clear, slight effervesence, no odor, no sheen,
	TJ-W6	10/17/2006	8.19	0.404	5.57	7.37	0.3	56.9	89	NM	110	Clear, no odor, slight effervescence, sample collected inside pump house
Pat and Randy Warren	PW-W7	12/15/2004	12.05	1.75	0.5	8.00	1.1	5.5	13.7	7.5	NM	
	RW-W8	12/15/2004	12.05	1.75	0.5	8.00	1.1	5.5	13.7	7.5	NM	Duplicate Sample: RW-W8
	PW-W7	10/17/2005	13.52	2.18	0.69	7.35	1.4	8.1	9	NM	120	Clear, reduced smell/salts, no sheen, no effervescence
	PW-W7	10/16/2006	12.73	2.37	1.1	7.13	1.5	12.5	64.3	12	25	Red tint - clear, "alkaline" or sulfate odor initially
Monument Creek	MC-S3	12/15/2004	5.3	1.045	9.36	8.76	8.7	90	19.1	NA	NM	
	MC-S3	10/18/2005	11.28	1.033	1.88	7.93	0.7	20.8	19.5	NA	50	Clear, organic materials, no odor, no sheen
	MC-S3	10/17/2006	9.96	10.27	5.53	7.64	0.7	58.5	76.5	NA	100	Water is turbid, moss/organic material, weather: light rain,
Spring Flow - Culvert	BM 36-23 Culv	10/21/2005	4.88	0.192	9.9	8.44	0.1	98	62.4	NA	NM	Slightly turbid, Water from Culvert down from BM 36-23 Pad
			NM	NM	NM	NM	NM	NM	NM	NM	NM	No sample was collected from this location in 2006 - snow melt/rain water

Notes:

NM - Not Measured	(°C) - degrees Celsius	mg/L - milligrams per liter	NTU - nephelometric turbidity units	CPM - counts per minute
NA - Not Applicable	(mS/cm) - milliSiemens per centimeter	g/L - grams per liter	gpm - gallons per minute	

Hach Quanta Water Quality Meter was used to measure temperature, specific conductance, dissolved oxygen, pH, TDS, percent dissolved oxygen, and turbidity
A Geiger Mueller meter was used to measure radioactivity in counts per minute. Purge rate was estimated by bucket fill.

Table 5
2006 Water Sampling - Cummulative Laboratory Analytical Results
Presco, Inc. - Battlement Mesa, Garfield County, Colorado

OWNER NAME	Sample ID	Sample Source	Latitude	Longitude	TWP	RNG	SEC	QTR/QTR	P.M.	DATE SAMPLED	TIME SAMPLED	Tritium (pCi/L)	Tritium Results ± 2δ TPU (pCi/L)	Gamma Emitting Radionuclides (pCi/L)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/L)	Xylenes (total) (ug/l)	Methyl Tertiary Butyl Ether (ug/L)	Methane (mg/L)	Total Hardness as CaCO3 (mg/L)	Total Alkalinity (mg/L)	Boron (mg/L)	Bicarbonate as CaCO3 (mg/L)	Bromide (mg/L)	Total Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Total Iron (mg/L)	Total Magnesium (mg/L)	Total Manganese (mg/L)	Nitrogen Ammonia (mg/L)	Nitrate/Nitrite as N, dissolved (mg/L)	Phosphate (mg/L)	Ortho Phosphorus (mg/L)	Total Phosphorus (mg/L)	Total Potassium (mg/L)	Residue, Filterable (TDS) @180 (MG/L)	Total Selenium (mg/L)	Total Sodium (mg/L)	Sodium Absorption Ratio in Water	Sulfate (mg/L)	Reactive Sulfide (mg/L)	Iron Related Bacteria (CFU/ml)	Sulfate Reducing Bacteria (CFU/ml)	Slime Forming Bacteria (CFU/ml)
Juanita Satterfield	JLS-W1	Well			7S	95W	10	NE NW	6	11/9/2004	10:08	U	44 ± 470	(TI) (Na-22)	0.3	0.5	0.4	1.3	< 0.2	< 0.002	212	328	NA	328	NA	31.5	NA	NA	0.04	32.5	< 0.005	< 0.05	1.15 (H)	0.06 (B)	0.02 (B,H)	NA	1.5	400	< 0.04	84.1	< 0.03	40	< 0.3 (H)	500	detected	66,500
	JLS-W1									10/18/2005	12:20	U	120 ± 190	(TI)Sb-124, Co-56)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.505	NA	330	0.12	330	< 0.2	36	4	0.21	< 0.1	39	< 0.01	< 0.1	2.1	NA	NA	< 0.05	1.9	400	< 0.005	54	NA	31	< 2	9,000	absent	66,500
	JLS-W1									10/17/2006	10:08	U	20 ± 200	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	308	308	< 0.2	308	< 0.05	33.7	2.6	0.28	< 0.07	34.8	< 0.005	< 0.8	5.77/< 0.25	NA	< 0.25	NA	1.06	393	< 0.002	60.6	NA	26.9	< 0.5	2,300	200	350,000
Battlement Creek (USGS Gauging)	USGS-BC1	Surface	39° 26' 24"	107° 59' 01"	7S	95W	15	NE SE	6	11/9/2004	11:39	U	0 ± 460	(Pb-210)	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	92	94	NA	94	NA	24.7	NA	NA	0.11	7.4	0.005	< 0.05	0.03 (B,H)	0.06 (B)	0.02 (B, H)	NA	1.4	90	< 0.04	9.8	< 0.03	10	< 0.3 (H)	2,300	700,000	66,500
	USGS-BC1									10/17/2005	12:02	U	-140 ± 220	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	100	< 0.1	100	< 0.2	25	1	0.1	0.28	7.7	0.012	< 0.1	< 0.01	NA	NA	< 0.05	8.9	NA	13	< 0.2	< 0.03	< 0.5	9,000	700,000	350,000
	USGS-BC1									10/16/2006	12:38	U	20 ± 200	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	70.5	70.5	< 0.2	70.5	< 0.05	18.2	1	< 0.2	< 0.07	5.24	< 0.005	< 0.8	< 0.25/< 0.25	NA	< 0.25	NA	1.2	111	< 0.002	7.16	NA	9.9	< 0.5	9,000	700,000	350,000
Cary Weldon	CW-W2	Well			7S	95W	25	NE SW	6	11/9/2004	13:06	U	18 ± 470	U	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	269	285	NA	285	NA	61.8	NA	NA	< 0.02	27.9	< 0.005	< 0.05	0.66 (H)	0.06 (B)	0.02 (B,H)	NA	0.7	380	< 0.04	50.0	< 0.03	60	< 0.3 (H)	25	absent	12,500
	CW-W2									10/17/2005	9:29	U	-100 ± 220	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	290	0.11	290	< 0.2	60	2.1	0.3	< 0.1	27	< 0.01	< 0.1	0.25	NA	NA	< 0.05	1.1	390	< 0.005	42	NA	63	< 2	500	absent	66,500
	CW-W2									10/16/2006	9:35	U	-10 ± 200	(TI) (TI-208)	< 1	< 2	< 2	< 2	< 4	< 0.0008	287	287	< 0.2	287	< 0.05	57.2	1.8	0.37	< 0.07	26	< 0.005	< 0.8	1.4/< 0.25	NA	< 0.25	NA	0.483	393	< 0.002	47.9	NA	64.2	< 0.5	9,000	absent	66,500
Cary Weldon (Replicate)	CW-W902									10/16/2006	9:40	U	-70 ± 190	u	< 0.2 (H)	< 0.2 (H)	< 0.2 (H)	< 0.4 (H)	< 0.2 (H)	< 0.002	293	293	0.11	293	< 0.1	60.4	1.6 (J)	0.3 (J)	< 0.02	27.6	< 0.005	< 0.05	0.35	0.09 (J)	0.03 (J)	NA	0.8 (J)	410	< 0.04	50.5	NA	60	< 0.02	NS	NS	NS
Hayward Creek near Weldon's	HC-S2	Surface	39° 24' 17"	107° 56' 52"	7S	95W	25	NE SW	6	11/9/2004	13:50	U	160 ± 470	U	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	131	142	NA	142	NA	36.9	NA	NA	0.13	9.5	< 0.005	< 0.05	0.14 (H)	0.12 (B)	0.04 (B,H)	NA	1.2	190	< 0.04	18.4	< 0.03	20	< 0.3 (H)	2,300	700,000	66,500
	HC-S2									10/17/2005	10:39	U	50 ± 230	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	140	< 0.1	140	< 0.2	36	1.2	0.11	0.19	8.7	< 0.01	< 0.1	0.1	NA	NA	0.053	1.4	180	< 0.005	13	NA	14	< 2	9,000	700,000	350,000
	HC-S2									10/16/2006	10:20	U	-110 ± 190	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	120	120	< 0.2	120	< 0.05	31.6	3.43	< 0.2	< 0.07	7.64	< 0.005	< 0.8	0.53/< 0.25	NA	< 0.25	NA	0.98	176	< 0.002	12.9	NA	12.7	< 0.5	9,000	700,000	350,000
Lynn J. Shore	LJS-W3	Well			7S	95W	16	SW NE	6	11/9/2004	15:13	U	66 ± 470	(Pb-210, Pb212)	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	279	306	NA	306	NA	30.7	NA	NA	0.06	49.3	< 0.005	< 0.05	0.72 (H)	0.12 (B)	0.04 (B,H)	NA	8.0	360	< 0.04	42.8	< 0.03	30	< 0.3 (H)	2,300	absent	12,500
	LJS-W3									10/17/2005	13:47	U	30 ± 230	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	310	< 0.1	310	< 0.2	31	4.8	0.28	0.22	47	< 0.01	< 0.1	0.62	NA	NA	0.052	8.2	360	< 0.005	34	NA	30	< 2	9,000	200	66,500
	LJS-W3									10/16/2006	12:05	U	-70 ± 190	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	315	315	< 0.2	315	0.05	30	3.97	0.42	< 0.07	46.4	< 0.005	< 0.8	3.14/< 0.25	NA	< 0.25	NA	7.44	369	< 0.002	37	NA	31.9	< 0.5	9,000	absent	12,500
Grand Valley Springs - Parachute	GVS-SP1	Spring	39° 27' 42"	108° 01' 04"	7S	94W	5	SW SE	6	11/10/2004	8:15	U	220 ± 470	(Pb-212)	< 0.2	0.3	< 0.2	< 0.4	< 0.2	< 0.002	206	246	NA	246	NA	32.8	NA	NA	< 0.01	30.1	< 0.005	< 0.05	1.15 (H)	0.06 (B)	0.02 (B,H)	NA	2.1	310	< 0.04	44.1	< 0.03	20	< 0.3 (H)	absent	absent	absent
	GVS-SP1									10/18/2005	8:45	U	-50 ± 190	U	4.4 (B)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	250	250	< 0.1	250	< 0.2	38	4.8	0.21	< 0.1	26	< 0.01	< 0.1	0.64	NA	NA	< 0.05	3.1	320	< 0.005	35	NA	27	< 2	9,000	18,000	66,500
	GVS-SP1									12/20/2005	8:55	NA	NA	NA	< 1	< 2	< 2	< 2	< 4																										
	GVS-SP1									10/17/2006	9:30	U	80 ± 200	U	< 1	< 2	< 2	< 2	<4	< 0.0008	269	269	< 0.2	269	< 0.05	33.8	4.49	0.28	< 0.07	32.7	< 0.005	< 0.8	6.04/< 0.25	NA	< 0.25	NA	1.9	338	< 0.002	44.7	NA	26.3	< 0.5	absent	absent	500
Joan Savage (Roy Savage)	RS-W4	Well			7S	94W	20	NE SW	6	11/10/2004	10:50	U	0 ± 460	(Pb-210)	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	131	152	NA	152	NA	31.2	NA	NA	0.06	12.9	0.007	0.05 (B)	0.02 (B,H)	0.24	0.08 (H)	NA	4.0	180	< 0.04	14.0	< 0.03	< 10	< 0.3 (H)	9,000	200	66,500
	RS-W4									11/18/2005	8:40	U	-120 ± 190	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	150	< 0.1	150	< 0.2	31	0.71	0.15	0.19	12	< 0.01	< 0.1	0.088	NA	NA	0.091	3.7	170	< 0.005	12.0	NA	4.7	< 2	9,000	200	350,000
	RS-W4									10/20/2006	11:30	U	-60 ± 150	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	152	152	< 0.2	152	< 0.05	32.4	0.77	< 0.2	< 0.07	13.4	0.0108	< 0.8	<0.25 (H)	NA	0.28 (H)	NA	4.18	182	< 0.002	13.9	NA	4.5	< 0.5	9,000	1,200	350,000
Ethel Gardner	EG-SP2	Spring			7S	95W	25	SE NW	6	11/10/2004	13:36	U	260 ± 470	(Pb-210)	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	278	307	NA	307	NA	63.7	NA	NA	0.02 (B)	28.8	< 0.005	< 0.05	0.15 (H)	0.03 (B)	0.01 (B,H)	NA	0.5 (B)	430	< 0.04	56.6	< 0.03	70	< 0.3 (H)	2,300	5,000	66,500
	EG-SP2									10/17/2005	10:06	U	80 ± 230	U	2.7(B)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	310	0.29	310	< 0.2	67	2.7	0.43	0.15	29	< 0.01	< 0.1	0.13	NA	NA	< 0.05	< 1	440	< 0.005	48	NA	74	< 2	2,300	1,200	350,000
	EG-SP2									12/20/2005	10:00	NA	NA	NA	< 1	< 2	< 2	< 2	< 4																										
	EG-SP2									10/16/2006	13:55	U	140 ± 200	(TI) (Fe-59)	< 1	< 2	< 2	< 2	< 2	< 0.0008	NA	308	0.26	308	< 0.05	63	2.4	0.64	<0.07	29	<0.005	<0.8	0.69 /<0.25	NA	<0.25	NA	0.355	439	0.0029	53.4	NA	76.6	< 0.5	NS	NS	NS
Ethel Gardner (Replicate)	EG-SP902									10/16/2006	14:40	U	-100 ± 190	U	< 0.2(H)	< 0.2(H)	< 0.2(H)	< 0.4(H)	< 0.2(H)	< 0.002	320	320	0.27	320	< 0.5	67	< 3	0.5 (J)	0.03 (J)	30.9	< 0.005	< 0.05	0.17	0.03 (J)	0.01 (J)	NA	0.5 (J)	430	< 0.2	56.8	NA	80	< 0.02	NS	NS	NS
Wesley Kent	WK-SP3	Spring			7S	95W	25	NE SW	6	11/10/2004	14:35	U	0 ± 470	U	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	264	287	NA	287	NA	58.1	NA	NA	0.65	29.0	< 0.005	< 0.05	0.25 (H)	< 0.03	< 0.01 (H)	NA	0.6 (B)	390	< 0.04	47.3	< 0.03	60	< 0.3 (H)	9,000	absent	12,500
	WK-SP3									10/17/2005	11:17	U	110 ± 230	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	300	0.15	300	< 0.2	63	2.1	0.32	< 0.1	30	< 0.01	< 0.1	0.26	NA	NA	< 0.05	1.1	410	< 0.005	40	NA	56	< 2	9,000	absent	66,500
Wesley Kent (Duplicate)	WK-SP3D	Spring			7S	95W	25	NE SW	6	10/17/2005	11:19	U	160 ± 230	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	300	0.15	300	< 0.2	63	1.9	0.32	< 0.1	30	< 0.01	< 0.1	0.26	NA	NA	< 0.05	1.1	400	< 0.005	40	NA	57	< 2	9,000	absent	66,500
	WK-SP3									10/16/2006	8:47	U	50 ± 200	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	312	312	< 0.2	312	< 0.05	61.6	1.91	0.46	< 0.07	31.1	< 0.005	< 0.8	1.32/< 0.25	NA	< 0.25	NA	0.498	417	< 0.002	45.6	NA	60.2	< 0.5	9,000	absent	66,500
Lee (Judy/Craig) Hayward 96 Spring	LH96-SP4	Spring			7S	95W	25	SW NW	6	11/10/2004	15:45	U	0 ± 470	(Co-60, Pb-210)	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	381	355	NA	355	NA	70.9	NA	NA	0.02 (B)	49.5	< 0.005	< 0.05	0.38 (H)	< 0.03	< 0.01 (H)	NA	0.9 (B)	520	< 0.04	57.4	< 0.03	120	< 0.3 (H)	2,300	1,200	66,500
Judy Hayward (Partial Duplicate)	(JHD-SP5)	Spring			7S	95W	25	SW NW	6	11/10/2004	16:01	NA	NA	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	NA																										
	LH96-SP4									10/17/2005	15:15	U	10 ± 190	U	< 0.5 (H)	< 0.5 (H)	< 0.5 (H)	< 0.5 (H)	< 0.5 (H)	< 0.505	NA	370	0.13	370	< 0.2	74	3.2	0.34	< 0.1	50	< 0.01	< 0.1	0.49	NA		< 0.05	1.4	550	< 0.005	46	NA	100	< 2	2,300	200	66,500
	LH96-SP4									12/20/2005	10:25	NA	NA	NA	< 1	< 2	< 2	< 2	< 4	NA																										
	LH96-SP4									10/16/2006	15:25	U	0 ± 200	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	360	360	< 0.2	360	< 0.05	66.7	2.8	0.52	< 0.07	46.1	< 0.005	< 0.8	2.1/< 02.5	NA	< 0.25	NA	0.567	536	0.0022	49.7	NA	113	< 0.5	9,000	absent	66,500
Christy Koeneke	CK-W5	Well			7S	95W	10	SE NW	6	12/2/2004	11:50	U	240 ± 460	(Pb-210)	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	296	396	NA	396	NA	47.6	NA	NA	0.04 (B)	43.0	< 0.005	< 0.05	0.64	0.09 (B)	0.03 (B,H)	NA	2.2	460 (H)	< 0.04	74.9	< 0.03	50	< 0.3	2,300	absent	500
	CK-W5									10/18/2005	10:35	U	100 ± 190	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	360	< 0.1	360	< 0.2	47	4.7	0.22	< 0.1	40	< 0.01	< 0.1	0.47	NA	NA	< 0.05	2.9	470	0.011	62	NA	58	< 2	9,000	absent	12,500
Christy Koeneke (Duplicate)	CK-W5D	Well			7S	95W	10	SE NW	6	10/18/2005	10:40	U	10 ± 90	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	360	< 0.1	360	< 0.2	46	4.7	0.28	< 0.1	40	< 0.01	< 0.1	0.46	NA	NA	< 0.05	2.9	460	0.014	62	NA	56	< 2	9,000	absent	12,500
	CK-W5									10/17/2006	8:45	U	30 ± 200	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	343	343	< 0.2	343	0.06	42.8	3.7	0.35	< 0.07	39.7	< 0.005	< 0.8	2/< 0.25	NA	< 0.25	NA	1.7	477	< 0.002	72.2	NA	65.2	< 0.5	2,300	absent	66,500
Tim and Karla Jacobs	TJ-W6	Well			7S	94W	7	NE NW	6	12/2/2004	12:40	U	140 ± 460	U	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	189	194	NA	194	NA	54.4	NA	NA	0.12	13.0	< 0.005	< 0.05	0.27	0.12	0.04 (B,H)	NA	1.2	230 (H)	< 0.04	9.8	< 0.03	10	< 0.3	9,000	absent	66,500
	TJ-W6									10/18/2005	9:37	U	0 ± 190	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	190	< 0.1	190	< 0.2	54	1.2	0.14	< 0.1	15.0	< 0.01	< 0.1	0.32	NA	NA	< 0.05	1.1	240	< 0.005	9.1	NA	10	< 2	2,300	absent	12,500
	TJ-W6									10/17/2006	10:47	U	-130 ± 190	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	187	187	< 0.2	187	< 0.05	47.5	1.18	< 0.2	< 0.07	11.7	< 0.005	< 0.8	1.2/< 0.25	NA	< 0.25	NA	0.818	242	< 0.002	9.32	NA	11.2	< 0.5	2,300	absent	66,500
Pat and Randy Warren	PW-W7	Well			7S	95W	15	NE SE	6	12/15/2004	7:50	U	580 ± 460	U	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002	782	333	NA	333	NA	119	NA	NA	39	118	0.058	< 0.05	0.04 (B)	0.06 (B)	0.02 (B)	NA	4.7	1480	< 0.04	167	< 0.03	770	< 0.3	9,000	200	absent
Randy Warren (duplicate)	RW-W8	Well			7S	95W	15	NE SE	6	12/15/2004	7:55	U	410 ± 450	U	< 0.2	0.3	< 0.2	0.6	< 0.2	< 0.002	677	338	NA	338	NA	100	NA	NA	18.7	104	0.035	< 0.05	0.07 (B)	0.03 (B)	0.01 (B)	NA	4.6	1300	< 0.04	140	< 0.03	630	< 0.3	9,000	200	12,500
	PW-W7									10/17/2005	14:24	U	-70 ± 220	U	< 0.5(H)	< 0.5 (H)	< 0.5(H)	< 0.5(H)	< 0.5(H)	< 0.505	NA	320	< 0.1	320	< 0.4	120	39	0.24	0.65	120	0.035	< 0.1	0.11	NA	NA	< 0.05	6.9	1600	0.0052	140	NA	790	< 2	9,000	present - low	66,500
	PW-W7									12/28/2005	NA	NA	NA	NA	< 1	< 2	< 2	< 2	< 4																										
	PW-W7									10/16/2006	13:14	U	-70 ± 190	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	310	310	< 0.2	310	0.37	110	46.1	0.34	< 0.07	105	0.0673	< 0.8	< 0.5/< 0.5	NA	< 0.5	NA	4.14	1730	0.0022	210	NA	825	< 0.5	500	absent	12,500
Monument Creek -	MC-S3	Surface	39° 26' 08"	108° 02' 49"	7S	95W	18	NW SW	6	12/15/2004	9:00	U	420 ± 450	U	< 0.2	0.3	< 0.2	< 0.2	< 0.2	< 0.002	390	349	NA	341	NA	68.7	NA	NA	0.58	53	0.015	< 0.05	2.93	< 0.03	< 0.01	NA	3.1	680	< 0.04	98.8	< 0.03	240	< 0.3	2,300	700,000	350,000
Consolidated Metropolitan Dist.	MC-S3									10/18/2005	13:05	U	-20 ± 190	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	330	0.12	330	< 0.2	66	15	0.32	0.14	48	< 0.01	< 0.1	2.3	NA	NA	< 0.05	4.0	640	0.0078	79	NA	180	< 2	9,000	700,000	350,000
Battlement Mesa	MC-S3									10/17/2006	12:40	U	70 ± 200	U	< 1	< 2	< 2	< 2	< 4	< 0.0008	306	306	< 0.2	306	0.11	59.6	17	0.41	< 0.07	43	< 0.005	< 0.8	9.01/< 0.25	NA	< 0.25	NA	2.74	614	0.0047	84.1	NA	178	< 0.5	9,000	700,000	350,000
Battlement Mesa - Well Pad BM 36-23 Culvert	BM36 Culv	Surface			7 S	95W	36	NE NE	6	10/21/2005	13:35	U	80 ± 230	U	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505	NA	81	< 0.1	81	< 0.2	21	2.4	< 0.1	0.42	4.2	< 0.01	< 0.1	0.21	NA	NA	0.15	2.5	140	< 0.005	15	NA	16	< 2	140,000	700,000	350,000
														MEAN	283.20968	267.9896	0.171	267.8229167		52.61458	6.08581	0.30923	3.24789	35.6620833	0.027233333		0.627047619				0.0865	2.5657381	462.5435	0.00625	52.3079		113.94					
														MEDIAN	279	306	0.14	306		50.8	2.7	0.31	0.19	30.05	0.015		0.32				0.072	1.8	396.5	0.00495	46.65		56					
														MAX	782	396	0.29	396		120	46.1	0.64	39	120	0.0673		2.93				0.15	8.2	1730	0.014	210		825					
														MIN	70.5	70.5	0.11	70.5		18.2	0.71	0.1	0.02	4.2	0.005		0.088				0.052	0.4	90	0.0022	7.16		4.5					
EPA Drinking Water Standards	20,000					5	1,000	680	10,000	NS	NS	NS	NS	NS	NS	NS	(250*)	NS	(0.3*)	NS	(0.05*)	NS	NS	NS	NS	NS	(500*)	0.05	NS	NS	(250*)	NS	NS	NS	NS					
COGCC Standards	N/A					5	1,000	680	10,000	NS	NS	NS	NS	NS	NS	NS	< 1.25 x bg	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.25 x bg	NS	NS	NS	< 1.25xbg	NS	NS	NS	NS					

NA - Not Analyzed
pCi/L - picoCuries per Liter
ug/L - micrograms per Liter
mg/L - milligrams per Liter
CFU/ml - colony forming units per milliliter

MDL - Method Detection Limit
PQL - Practical Quantitation Limit
TPU - Total Propagated Uncertainty
2δ - two standard deviations

U - Result is less than the minimum detectable concentration (Not Detected) or MDL
< - Result is less than the laboratory reporting limit or MDL
NA - Not Analyzed NS - No Standard (No standard developed by EPA or COGCC) (*) - EPA Secondary Drinking Water Standard (recommended or suggested public water supply standard).
(!) Laboratory irregularities: the Paragon Analtyics laboratory method blank contained concentrations of benzene or the sample was analyzed outside of parameter holding time. Samples were collected in December 2005 for analysis of BTEX by Evergreen Analytical Laboratory.
(H) - Sample analysis exceeded Holding Time
(B) - Analyte was detected in Laboratory Method Blank
(J) - Analyte estimated concentration at a value between MDL and PQL. The "J" values for Bismuth-214 (Bi-214) and Lead-214 (Pb-214) are not presented above for the gamma spectroscopy results since the laboratory consistently has reported a low bias for these radionuclides.
(TI) - Tentatively Identified. The gamma spectroscopy results for radionuclides that are tentatively identified, where mimimum identification criteria have not been met are presented. The Half-Lives, Daughter Products, and National Radiation Commission Occupational values are presented on the "RAD" and "NRC" spreadsheets.

Table 6
RADIONUCLIDES OF INTEREST
2006 Water Sampling - Radionuclides
Presco, Inc. - Battlement Mesa, Garfield County, Colorado

OWNER NAME	Sample ID	Sample Source	Latitude	Longitude	TWP	RNG	SEC	QTR/QTR	P.M.	DATE SAMPLED	TIME SAMPLED	Laboratory	Tritium (pCi/L)	Tritium Result ± 2δ TPU (pCi/L)	Gamma Emitting Radionuclides (pCi/L)	Antimony 124 (pCi/L)	2 s TPU (±)	Bismuth 214 (pCi/L)	2 s TPU (±)	Cobalt 56 (pCi/L)	2 s TPU (±)	Cobalt 60 (pCi/L)	2 s TPU (±)	Iron 59 (pCi/L)	2 s TPU (±)	Lead 210 (pCi/L)	2 s TPU (±)	Lead 212 (pCi/L)	2 s TPU (±)	Lead 214 (pCi/L)	2 s TPU (±)	Sodium 22 (pCi/L)	2 s TPU (±)	Thallium 208 (pCi/L)	2 s TPU (±)
Juanita Satterfield	JLS-W1	Well			7S	95W	10	NE NW	6	11/9/2004	10:08	Hazen/ACZ	U	44 ± 470																		6.15	2.83		
	JLS-W1									10/18/2005	12:20	PAL	U	120 ± 190		TI (10.4)	2.6	J (56)	20	TI (9.7)	4.7									J (65)	9.6				
	JLS-W1									10/17/2006	10:08	PAL	U	20 ± 200	U																				
Battlement Creek (USGS Gauging)	USGS-BC1	Surface	39° 26' 24"	107° 59' 01"	7S	95W	15	NE SE	6	11/9/2004	11:39	Hazen/ACZ	U	0 ± 460												256	143								
	USGS-BC1									10/17/2005	12:02	PAL	U	-140 ± 220	U																				
	USGS-BC1									10/16/2006	12:38	PAL	U	20 ± 200	U			U,J (13)	11											U,J (-4)	13				
Cary Weldon	CW-W2	Well			7S	95W	25	NE SW	6	11/9/2004	13:06	Hazen/ACZ	U	18 ± 470	ND																				
	CW-W2									10/17/2005	9:29	PAL	U	-100 ± 220	U			J (5)	19											J (25)	14				
	CW-W2									10/16/2006	9:35	PAL	U	-10 ± 200	U			U,J (3)	14											U,J (1.2)	10			TI (7.0)	3.9
(Replicate Sample - ACZ)	CW-W902	Well								10/16/2006	9:40	PAL/ACZ	U	-70 ± 190	U			U,J (2)	14											U,J (1)	12				
Hayward Creek near Weldon's	HC-S2	Surface	39° 24' 17"	107° 56' 52"	7S	95W	25	NE SW	6	11/9/2004	13:50	Hazen/ACZ	U	160 ± 470	ND																				
	HC-S2									10/17/2005	10:39	PAL	U	50 ± 230	U																				
	HC-S2									10/16/2006	10:20	PAL	U	-110 ± 190	U			J,TI (13.7)	8.6											U,J (-9)	12				
Lynn J. Shore	LJS-W3	Well			7S	95W	16	SW NE	6	11/9/2004	15:13	Hazen/ACZ	U	66 ± 470												376	201	17.7	10.7	18.6	10.2				
	LJS-W3									10/17/2005	13:47	PAL	U	30 ± 230	U			J (4)	13											J (15.6)	9.4				
	LJS-W3									10/16/2006	12:05	PAL	U	70 ± 190	U			U,J (5)	18											U,J (-6)	16				
Grand Valley Springs - Parachute	GVS-SP1	Springs			7S	94W	5	SW SE	6	11/10/2004	8:15	Hazen/ACZ	U	220 ± 470														16.6	8.6						
	GVS-SP1									10/18/2005	8:45	PAL	U	-50 ± 190	U			J (7)	16											J (-2)	13				
	GVS-SP1									10/17/2006	9:30	PAL	U	80 ± 200	U			U,J (6)	18											U,J (-4)	12				
Joan Savage (Roy Savage)	RS-W4	Well			7S	94W	20	NE SW	6	11/10/2004	10:50	Hazen/ACZ	U	0 ± 460				16.4	9.6							344	198			22	11.4				
	RS-W4									11/18/2005	8:40	PAL	U	-120 ± 190	U			J (5)	14											J (2.6)	10				
	RS-W4									10/20/2006	11:30	PAL	U	-60 ± 150	U			U, J (0)	15											U, J (7)	13				
Ethel Gardner	EG-SP2	Spring			7S	95W	25	SE NW	6	11/10/2004	13:36	Hazen/ACZ	U	260 ± 470												360	189								
	EG-SP2									10/17/2005	10:06	PAL	U	80 ± 230	U			J (26)	15											J (14)	14				
(laboratory duplicate 0510169-2DUP)	EG-SP2									10/17/2005	10:06	PAL			U			J (-1)	17											J (16)	14				
	EG-SP2									10/16/2006	13:55	PAL	U	140 ± 200	U			U,J (20)	13					TI (27)	17					U,J (9)	12				
(Replicate Sample - ACZ)	EG-SP902	Spring								10/16/2006	14:40	PAL/ACZ	U	-100 ± 190	U			U,J (6)	16											U,J (3)	13				
Wesley Kent	WK-SP3	Spring			7S	95W	25	NE SW	6	11/10/2004	14:35	Hazen/ACZ	U	0 ± 470	ND																				
	WK-SP3									10/17/2005	11:17	PAL	U	110 ± 230	U			J (-3)	13											J (5.5)	10				
Wesley Kent (duplicate)	WK-SP3D	Spring								10/17/2005	11:19	PAL	U	160 ± 230	U			J (8)	15											J (3.8)	7.9				
	WK-SP3									10/16/2006	8:56	PAL	U	50 ± 200	U			U,J (11)	12											U,J (4)	18				
Lee (Judy/Craig) Hayward 96 Spring	LH96-SP4	Spring			7S	95W	25	SW NW	6	11/10/2004	15:45	Hazen/ACZ	U	0 ± 470								7.37	3.18			360	189								
Judy Hayward (partial duplicate)	JHD-SP5	Spring			7S	95W	25	SW NW	6	11/10/2004	16:01	PAL	NA	NA																				
	LH96-SP4									10/17/2005	15:15	PAL	U	10 ± 140	U			J (59)	17											J (55)	13				
	LH96-SP4									10/16/2006	15:25	PAL	U	0 ± 200	U			U,J (14)	18											U,J (16)	11				
Christy Koeneke	CK-W5	Well			7S	95W	10	SE NW	6	12/2/2004	11:50	Hazen/ACZ	U	240 ± 460				24.4	10.9							405	212								
	CK-W5									10/18/2005	10:35	PAL	U	100 ± 190	U			J (25)	14											J (32)	11				
Christy Koeneke (duplicate)	CK-W5D	Well								10/18/2005	10:40	PAL	U	10 ± 190	U			J (43)	16											J (40)	13				
	CK-W5									10/17/2006	8:45	PAL	U	30 ± 200	U			U,J (11)	17											U,J (14)	12			TI (11.6)	6.3
Tim and Karla Jacobs	TJ-W6	Well			7S	94W	7	NE NW	6	12/2/2004	12:40	Hazen/ACZ	U	140 ± 460	ND																				
	TJ-W6									10/18/2005	9:37	PAL	U	0 ± 190	U			J (25)	19											J (25.9)	9.6				
	TJ-W6									10/17/2006	10:47	PAL	U	-130 ± 190	U			U,J (12)	14											U,J (4)	12				
Pat and Randy Warren	PW-W7	Well			7S	95W	15	NE SE	6	12/15/2004	7:50	Hazen/ACZ	U	580 ± 460	ND																				
Randy Warren (duplicate)	RW-W8	Well			7S	95W	15	NE SE	6	12/15/2004	7:55	PAL	U	410 ± 450	ND																				
Pat and Randy Warren	PW-W7									10/17/2005	14:24	PAL	U	-70 ± 220				J (-9)	16											J (20)	17				
	PW-W7									10/16/2006	13:14	PAL	U	-70 ± 190	U			U,J (-2)	13											U,J (-2)	13				
Monument Creek - Battlement Mesa	MC-S3	Surface	39° 26' 08"	108° 02' 49"	7S	95W	18	NW SW	6	12/15/2004	9:00	Hazen/ACZ	U	420 ± 450	ND																				
	MC-S3									10/18/2005	13:05	PAL	U	-20 ± 190	U			J (-5)	13											J (-7)	12				
	MC-S3									10/17/2006	12:40	PAL	U	70 ± 200	U			U,J (-2)	18											U,J (-2)	15				
Battlement Mesa 36-23 Culvert	BM3623 Culv	Surface			7S	95W	36	NE NE	6	10/21/2005	13:35	PAL	U	80 ± 230	U			J (3)	16											J (-3)	15				

The EPA has established compound specific levels for gamma emitting radionuclides — EPA Drinking Water Standards — 20,000

NRC Occupational Values for Oral Ingestion (pCi)	600	20,000,000,000		500,000,000	800,000,000	60,000,000	80,000,000	9,000,000,000	400,000,000	
NRC Occupational Values for Inhalation (pCi)	900	800,000,000		200,000,000	300,000,000	20,000,000	30,000,000	800,000,000	600,000,000	
Radiological Half Life	60 days	19.7 minutes	77.3 days	5.27 Years	44.5 Days	22.3 years	10.64 hours	26.8 minutes	2.6 years	
Daughter Product	Tellerium 124	Polonium 214	Iron 56	Nickle 60	Cobalt 59	Bismuth 210	Bismuth 212	Bismuth 214	Neon 22	
				stable	stable	Uranium 238s	Thorium 232s	Uranium 238s	stable	

EPA - Environmental Protection Agency
NRC - Nuclear Regulatory Commission

"U" or "ND" - Not Detected above the MDC
± 2δ - Result plus or minus 2 standard deviations of the TPU
TPU - Total Propagated Uncertainty
MDC - Minimum Detectable Concentration
NA - Not Analyzed
J - Estimated below the MDC
TI - Tentatively Identified

Hazen - Hazen Research, Inc. in Golden, CO analyzed the 2004 baseline samples for tritium by liquid scintillation and was subcontracted by ACZ Laboratories, Inc.
ACZ - ACZ Laboratories, Inc. of Steamboat Springs, CO analyzed the 2004 baseline samples for gamma emitting radionuclides using gamma spectroscopy. ACZ also received replicate samples for tritium and gamma emitting radionuclides from two locations during the 2006 sampling event that ACZ subcontracted to PAL for radiochemistry.
PAL - Paragon Analytics (Division of DataChem) of Fort Collins, CO analyzed the 2005 and 2006 samples for tritium by liquid scintillation and gamma emitting radionuclides by gamma spectroscopy.

TABLE 7
VOLATILE ORGANIC COMPOUNDS ANALYSES

2006 Annual Water Sampling Laboratory Analytical Results
Presco, Inc. - Battlement Mesa, Garfield County, Colorado

OWNER NAME	Sample ID	Sample Source	Latitude	Longitude	TWP	RNG	SEC	QTR/QTR	P.M.	DATE SAMPLED	TIME SAMPLED	Laboratory	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/L)	Xylenes (total) (ug/l)	Methyl Tertiary Butyl Ether (ug/L)	Methane (mg/L)
Juanita Satterfield	JLS-W1	Well			7S	95W	10	NE NW	6	11/9/2004	10:08	ACZ	0.3	0.5	0.4	1.3	< 0.2	< 0.002
	JLS-W1									10/18/2005	12:20	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.505
	JLS-W1									10/17/2006	10:08	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Battlement Creek (USGS Gauging)	USGS-BC1	Surface	39° 26' 24"	107° 59' 01"	7S	95W	15	NE SE	6	11/9/2004	11:39	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	USGS-BC1									10/17/2005	12:02	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	USGS-BC1									10/16/2006	12:38	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Cary Weldon	CW-W2	Well			7S	95W	25	NE SW	6	11/9/2004	13:06	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	CW-W2									10/17/2005	9:29	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	CW-W2									10/16/2006	9:35	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
(Cary Weldon - Replicate Sample ACZ)	CW-W902									10/16/2006	9:40	ACZ	< 0.2 (H)	< 0.2 (H)	< 0.2 (H)	< 0.4 (H)	< 0.2 (H)	< 0.002
Hayward Creek near Weldon's	HC-S2	Surface	39° 24' 17"	107° 56' 52"	7S	95W	25	NE SW	6	11/9/2004	13:50	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	HC-S2									10/17/2005	10:39	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	HC-S2									10/16/2006	10:20	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Lynn J. Shore	LJS-W3	Well			7S	95W	16	SW NE	6	11/9/2004	15:13	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	LJS-W3									10/17/2005	13:47	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	LJS-W3									10/16/2006	12:05	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Grand Valley Springs - Parachute	GVS-SP1	Spring			7S	95W	5	SW SE	6	11/10/2004	8:15	ACZ	< 0.2	0.3	< 0.2	< 0.4	< 0.2	< 0.002
	GVS-SP1									10/18/2005	8:45	PAL	4.4 (B)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	GVS-SP1									12/20/2005	8:55	EAL	< 1	< 2	< 2	< 2	< 4	NA
	GVS-SP1									10/17/2006	9:30	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Joan Savage (Roy Savage)	RS-W4	Well			7S	94W	20	NE SW	6	11/10/2004	10:50	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	RS-W4									11/18/2005	8:40	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	RS-W4									10/20/2006	11:30	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Ethel Gardner	EG-SP2	Spring			7S	95W	25	SE NW	6	11/10/2004	13:36	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	EG-SP2									10/17/2005	10:06	PAL	2.7(B)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	EG-SP2									12/20/2005	10:00	EAL	< 1	< 2	< 2	< 2	< 4	NA
	EG-SP2									10/16/2006	13:55	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
	EG-SP902									10/16/2006	14:40	ACZ	< 0.2 (H)	< 0.2 (H)	< 0.2 (H)	< 0.4 (H)	< 0.2 (H)	< 0.002
Wesley Kent	WK-SP3	Spring			7S	95W	25	NE SW	6	11/10/2004	14:35	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	WK-SP3									10/17/2005	11:17	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
Wesley Kent (Duplicate)	WK-SP3D	Spring			7S	95W	25	NE SW	6	10/17/2005	11:19	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	WK-SP3									10/16/2006	8:47	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Craig (Judy) Hayward 96 Spring	LH96-SP4	Spring			7S	95W	25	SW NW	6	11/10/2004	15:45	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
Judy Hayward (Partial Duplicate)	(JHD-SP5)	Spring			7S	95W	25	SW NW	6	11/10/2004	16:01	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	NA
	LH96-SP4									10/17/2005	15:15	PAL	< 0.5 (H)	< 0.5 (H)	< 0.5 (H)	< 0.5 (H)	< 0.5 (H)	< 0.505
	LH96-SP4									12/20/2005	10:25	EAL	< 1	< 2	< 2	< 2	< 4	NA
	LH96-SP4									10/16/2006	15:25	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Christy Koeneke	CK-W5	Well			7S	95W	10	SE NW	6	12/2/2004	11:50	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	CK-W5									10/18/2005	10:35	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
Christy Koeneke (Duplicate)	CK-W5D	Well			7S	95W	10	SE NW	6	10/18/2005	10:40	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	CK-W5									10/17/2006	8:45	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Tim and Karla Jacobs	TJ-W6	Well			7S	94W	7	NE NW	6	12/2/2004	12:40	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
	TJ-W6									10/18/2005	9:37	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	TJ-W6									10/17/2006	10:47	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Pat and Randy Warren	PW-W7	Well			7S	95W	15	NE SE	6	12/15/2004	7:50	ACZ	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.002
Randy Warren (duplicate)	RW-W8	Well			7S	95W	15	NE SE	6	12/15/2004	7:55	ACZ	< 0.2	0.3	< 0.2	0.6	< 0.2	< 0.002
	PW-W7									10/17/2005	14:24	PAL	< 0.5(H)	< 0.5 (H)	< 0.5(H)	< 0.5(H)	< 0.5(H)	< 0.505
	PW-W7									12/28/2005		EAL	< 1	< 2	< 2	< 2	< 4	NA
	PW-W7									10/16/2006	13:14	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
Monument Creek -	MC-S3	Surface	39° 26' 08"	108° 02' 49"	7S	95W	18	NW SW	6	12/15/2004	9:00	ACZ	< 0.2	0.3	< 0.2	< 0.2	< 0.2	< 0.002
Battlement Mesa	MC-S3									10/18/2005	13:05	PAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.505
	MC-S3									10/17/2006	12:40	EAL	< 1	< 2	< 2	< 2	< 4	< 0.0008
												Drinking Water Standards	5	1000	680	10000	NE	NE

< : analyte was not detected
µg/l: micrograms per liter
(H): laboratory exceeded holding time
(B): analyte was detected in the laboratory method blank and the water source was resampled

ACZ - ACZ Laboratories, Inc. - Steamboat Springs, Colorado
PAL - Paragon Analtyics, Inc. - Fort Collins, Colorado (Methane was Analyzed by DataChem Laboratories, Inc. - Salt Lake City, Utah)
EAL - Evergreen Analytical Laboratory - Wheat Ridge, Colorado

TABLE 8

INORGANIC ANALYSES

2006 Annual Water Sampling - Laboratory Analytical Results
Presco, Inc. - Battlement Mesa, Garfield County, Colorado

OWNER NAME	Sample ID	Sample Source	Latitude	Longitude	TWP	RNG	SEC	QTR/QTR	P.M.	DATE SAMPLED	TIME SAMPLED	Laboratory	Total Hardness as CaCO3 (mg/L)	Total Alkalinity (mg/L)	Boron (mg/L)	Bicarbonate as CaCO3 (mg/L)	Bromide (mg/L)	Total Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Total Iron (mg/L)	Total Magnesium (mg/L)	Total Manganese (mg/L)	Nitrogen Ammonia (mg/L)	Nitrate/Nitrite as N, dissolved (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Phosphate (mg/L)	Ortho-Phosphate (mg/L)	Total Phosphorus (mg/L)	Total Potassium (mg/L)	Residue, Filterable (TDS) @180 (MG/L)	Total Selenium (mg/L)	Total Sodium (mg/L)	Sodium Absorption Ratio in Water	Sulfate (mg/L)	Reactive Sulfide (mg/L)	Hydrogen Sulfide (mg/L)
Juanita Satterfield	JLS-W1	Well			7S	95W	10	NE NW	6	11/9/2004	10:08	ACZ	212	328	NA	328	NA	31.5	NA	NA	0.04	32.5	< 0.005	< 0.05	1.15			0.06	0.02	NA	1.5	400	< 0.04	84.1	< 0.03	40	< 0.3	NA
	JLS-W1									10/18/2005	12:20	PAL	NA	330	0.12	330	< 0.2	36	4	0.21	< 0.1	39	< 0.01	< 0.1	2.1			NA	NA	< 0.05	1.9	400	< 0.005	54	NA	31	< 2	NA
	JLS-W1									10/17/2006	10:08	EAL	NA	308	< 0.2	308	< 0.05	33.7	2.6	0.28	< 0.07	34.8	< 0.005	< 0.8	NA	5.77	< 0.25	NA	< 0.25	NA	1.06	393	< 0.002	60.6	NA	26.9	NA	< 0.5
Battlement Creek (USGS Gauging)	USGS-BC1	Surface	39° 26' 24"	107° 59' 01'	7S	95W	15	NE SE	6	11/9/2004	11:39	ACZ	92	94	NA	94	NA	24.7	NA	NA	0.11	7.4	0.005	< 0.05	0.03			0.06	0.02	NA	1.4	90	< 0.04	9.8	< 0.03	10	< 0.3	NA
	USGS-BC1									10/17/2005	12:02	PAL	NA	100	< 0.1	100	< 0.2	25	1	0.1	0.28	7.7	0.012	< 0.1	< 0.01			NA	NA	< 0.05	1.7	140	< 0.005	8.9	NA	13	< 2	NA
	USGS-BC1									10/16/2006	12:38	EAL	NA	70.5	< 0.20	70.5	< 0.05	18.2	1.0	< 0.20	< 0.07	5.24	< 0.005	< 0.8	NA	< 0.25	< 0.25	NA	< 0.25	NA	1.2	111	< 0.002	7.16	NA	9.9	NA	< 0.5
Cary Weldon	CW-W2	Well			7S	95W	25	NE SW	6	11/9/2004	13:06	ACZ	269	285	NA	285	NA	61.8	NA	NA	0.02	27.9	< 0.005	< 0.05	0.66			0.06	0.02	NA	0.7	380	< 0.04	50.0	< 0.03	60	< 0.3	NA
	CW-W2									10/17/2005	9:29	PAL	NA	290	0.11	290	< 0.2	60	2.1	0.3	< 0.1	27	< 0.01	< 0.1	0.25			NA	NA	< 0.05	1.1	390	< 0.005	42	NA	63	< 2	NA
	CW-W2									10/16/2006	9:35	EAL	NA	287	< 0.2	287	< 0.05	57.2	1.8	0.37	< 0.07	26	< 0.005	< 0.8	NA	1.4	< 0.25	NA	< 0.25	NA	0.483	393	< 0.002	47.9	NA	64.2	NA	< 0.5
(Cary Weldon - Replicate)	CW-W902									10/16/2006	9:40	ACZ	293	293	0.11	293	< 0.1	60.4	1.6 (B)	0.3 (B)	< 0.02	27.6	< 0.005	< 0.05	0.35	NA	NA	0.09	0.03 (B)	NA	0.8 (B)	410	< 0.04	50.5	NA	60	< 0.02	NA
Hayward Creek near Weldon's	HC-S2	Surface	39° 24' 17"	107° 56' 52'	7S	95W	25	NE SW	6	11/9/2004	13:50	ACZ	131	142	NA	142	NA	36.9	NA	NA	0.13	9.5	< 0.005	< 0.05	0.14			0.12	0.04	NA	1.2	190	< 0.04	18.4	< 0.03	20	< 0.3	NA
	HC-S2									10/17/2005	10:39	PAL	NA	140	< 0.1	140	< 0.2	36	1.2	0.11	0.19	8.7	< 0.01	< 0.1	0.1			NA	NA	0.053	1.4	180	< 0.005	13	NA	14	< 2	NA
	HC-S2									10/16/2006	10:20	EAL	NA	120	< 0.2	120	< 0.05	31.6	3.43	< 0.2	< 0.07	7.64	< 0.005	< 0.8	NA	0.53	< 0.25	NA	< 0.25	NA	0.98	176	< 0.002	12.9	NA	12.7	NA	< 0.5
Lynn J. Shore	LJS-W3	Well			7S	95W	16	SW NE	6	11/9/2004	15:13	ACZ	279	306	NA	306	NA	30.7	NA	NA	0.06	49.3	< 0.005	< 0.05	0.72			0.12	0.04	NA	8.0	360	< 0.04	42.8	< 0.03	30	< 0.3	NA
	LJS-W3									10/17/2005	13:47	PAL	NA	310	< 0.1	310	< 0.2	31	4.8	0.28	0.22	47	< 0.01	< 0.1	0.62			NA	NA	0.052	8.2	360	< 0.005	34	NA	30	< 2	NA
	LJS-W3									10/16/2006	12:05	EAL	NA	315	< 0.2	315	0.05	30	3.97	0.42	< 0.07	46.4	< 0.005	< 0.8	NA	3.14	< 0.25	NA	< 0.25	NA	7.4	369	< 0.002	37	NA	31.9	NA	< 0.5
Grand Valley Springs - Parachute	GVS-SP1	Spring			7S	95W	5	SW SE	6	11/10/2004	8:15	ACZ	206	246	NA	246	NA	32.8	NA	NA	< 0.01	30.1	< 0.005	< 0.05	1.15			0.06	0.02	NA	2.1	310	< 0.04	44.1	< 0.03	20	< 0.3	NA
	GVS-SP1									10/18/2005	8:45	PAL	NA	250	< 0.1	250	< 0.2	38	4.8	0.21	< 0.1	26	< 0.01	< 0.1	0.64			NA	NA	< 0.05	3.1	320	< 0.005	35	NA	27	< 2	NA
	GVS-SP1									10/17/2006	9:30	EAL	NA	269	< 0.2	269	< 0.05	33.8	4.49	0.28	< 0.07	32.7	< 0.005	< 0.8	NA	6.04	< 0.25	NA	< 0.25	NA	1.9	338	< 0.002	44.7	NA	26.3	NA	< 0.5
Joan Savage (Roy Savage)	RS-W4	Well			7S	94W	20	NE SW	6	11/10/2004	10:50	ACZ	131	152	NA	152	NA	31.2	NA	NA	0.06	12.9	0.007	0.05	0.02			0.24	0.08	NA	4.0	180	< 0.04	14.0	< 0.03	< 10	< 0.3	NA
	RS-W4									11/18/2005	8:40	PAL	NA	150	< 0.1	150	< 0.2	31	0.71	0.15	0.19	12	< 0.01	< 0.1	0.088			NA	NA	0.091	3.7	170	< 0.005	12.0	NA	4.7	< 2	NA
	RS-W4									10/20/2006	11:30	EAL	NA	152	< 0.2	152	< 0.05	32.4	0.77	< 0.2	< 0.07	13.4	0.0108	< 0.8	NA	< 0.25 (H)	< 0.25 (H)	NA	0.28 (H)	NA	4.18	182	< 0.002	13.9	NA	4.5	NA	< 0.5
Ethel Gardner	EG-SP2	Spring			7S	95W	25	SE NW	6	11/10/2004	13:36	ACZ	278	307	NA	307	NA	63.7	NA	NA	0.02	28.8	< 0.005	< 0.05	0.15			0.03	0.01	NA	0.5	430	< 0.04	56.6	< 0.03	70	< 0.3	NA
	EG-SP2									10/17/2005	10:06	PAL	NA	310	0.29	310	< 0.2	67	2.7	0.43	0.15	29	< 0.01	< 0.1	0.13			NA	NA	< 0.05	< 1	440	< 0.005	48	NA	74	< 2	NA
	EG-SP2									10/16/2006	13:55	EAL	NA	308	0.26	308	< 0.05	63	2.4	0.64	< 0.07	29	< 0.005	< 0.8	NA	0.69	< 0.25	NA	< 0.25	NA	0.355	439	0.0029	53.4	NA	76.6	NA	< 0.5
(Ethel Gardner - Replicate)	EG-SP902									10/16/2006	14:40	ACZ	320	320	0.27	320	< 0.5	67	< 3	0.5 (B)	0.03 (B)	30.9	< 0.005	< 0.05	0.17	NA	NA	0.03 (B)	0.01 (B)	NA	0.5 (B)	430	< 0.2	56.8	NA	80	< 0.02	NA
Wesley Kent	WK-SP3	Spring			7S	95W	25	NE SW	6	11/10/2004	14:35	ACZ	264	287	NA	287	NA	NA	58.1	NA	0.65	29.0	< 0.005	< 0.05	0.25			< 0.03	< 0.01	NA	0.6	390	< 0.04	47.3	< 0.03	60	< 0.3	NA
										10/17/2005	11:17	PAL	NA	300	0.15	300	< 0.2	63	2.1	0.32	< 0.1	30	< 0.01	< 0.1	0.26			NA	NA	< 0.05	1.1	410	< 0.005	40	NA	56	< 2	NA
Wesley Kent (Duplicate)	WK-SP3D	Spring			7S	95W	25	NE SW	6	10/17/2005	11:19	PAL	NA	300	0.15	300	< 0.2	63	1.9	0.32	< 0.1	30	< 0.01	< 0.1	0.26			NA	NA	< 0.05	1.1	400	< 0.005	40	NA	57	< 2	NA
	WK-SP3									10/16/2006	8:47	EAL	NA	312	< 0.2	312	< 0.05	61.6	1.91	0.46	< 0.07	31.1	< 0.005	< 0.8	NA	1.32	< 0.25	NA	< 0.25	NA	0.498	417	< 0.002	45.6	NA	60.2	NA	< 0.5
Craig (Judy) Hayward 96 Spring	LH96-SP4	Spring			7S	95W	25	SW NW	6	11/10/2004	15:45	ACZ	381	355	NA	355	NA	70.9	NA	NA	0.02	49.5	< 0.005	< 0.05	0.38			< 0.03	< 0.01	NA	0.9	520	< 0.04	57.4	< 0.03	120	< 0.3	NA
Judy Hayward (Partial Duplicate)	(JHD-SP5)	Spring			7S	95W	25	SW NW	6	11/10/2004	16:01	ACZ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	LH96-SP4									10/17/2005	15:15	PAL	NA	370	0.13	370	< 0.2	74	3.2	0.34	< 0.1	50	< 0.01	< 0.1	0.49					< 0.05	1.4	550	< 0.005	46	NA	100	< 2	NA
	LH96-SP4									10/16/2006	15:25	EAL	NA	360	< 0.2	360	< 0.05	66.7	2.8	0.52	< 0.07	46.1	< 0.005	< 0.8	NA	2.1	< 0.25	NA	< 0.25	NA	0.567	536	0.0022	49.7	NA	113	NA	< 0.5
Christy Koeneke	CK-W5	Well			7S	95W	10	SE NW	6	12/2/2004	11:50	ACZ	296	396	NA	396	NA	47.6	NA	NA	0.04	43.0	< 0.005	< 0.05	0.64			0.09	0.03	NA	2.2	460	< 0.04	74.9	< 0.03	50	< 0.3	NA
	CK-W5									10/18/2005	10:35	PAL	NA	360	< 0.1	360	< 0.2	47	4.7	0.22	< 0.1	40	< 0.01	< 0.1	0.47			NA	NA	< 0.05	2.9	470	0.011	62	NA	58	< 2	NA
Christy Koeneke (Duplicate)	CK-W5D	Well			7S	95W	10	SE NW	6	10/18/2005	10:40	PAL	NA	360	< 0.1	360	< 0.2	46	4.7	0.28	< 0.1	40	< 0.01	< 0.1	0.46			NA	NA	< 0.05	2.9	460	0.014	62	NA	56	< 2	NA
	CK-W5									10/17/2006	8:45	EAL	NA	343	< 0.2	343	0.06	42.8	3.7	0.35	< 0.07	39.7	< 0.005	< 0.8	NA	2	< 0.25	NA	< 0.25	NA	1.7	477	< 0.002	72.2	NA	65.2	NA	< 0.5
Tim and Karla Jacobs	TJ-W6	Well			7S	94W	7	NE NW	6	12/2/2004	12:40	ACZ	189	194	NA	194	NA	54.4	NA	NA	0.12	13.0	< 0.005	< 0.05	0.27			0.12	0.04	NA	1.2	230	< 0.04	9.8	< 0.03	10	< 0.3	NA
	TJ-W6									10/18/2005	9:37	PAL	NA	190	< 0.1	190	< 0.2	54	1.2	0.14	< 0.1	15.0	< 0.01	< 0.1	0.32			NA	NA	< 0.05	1.1	240	< 0.005	9.1	NA	10	< 2	NA
	TJ-W6									10/17/2006	10:47	EAL	NA	187	< 0.2	187	< 0.05	47.5	1.18	< 0.2	< 0.07	11.7	< 0.005	< 0.8	NA	1.2	< 0.25	NA	< 0.25	NA	0.818	242	< 0.002	9.32	NA	11.2	NA	< 0.5
Pat and Randy Warren	PW-W7	Well			7S	95W	15	NE SE	6	12/15/2004	7:50	ACZ	782	333	NA	333	NA	119	NA	NA	39	118	0.058	< 0.05	0.04			0.06	0.02	NA	4.7	1480	< 0.04	167	< 0.03	770	< 0.3	NA
Randy Warren (duplicate)	RW-W8	Well			7S	95W	15	NE SE	6	12/15/2004	7:55	ACZ	677	338	NA	338	NA	100	NA	NA	18.7	104	0.035	< 0.05	0.07			0.03	0.01	NA	4.6	1300	< 0.04	140	< 0.03	630	< 0.3	NA
	PW-W7									10/17/2005	14:24	PAL	NA	320	< 0.1	320	< 0.4	120	39	0.24	0.65	120	0.035	< 0.1	0.11			NA	NA	< 0.05	6.9	1600	0.0052	140	NA	790	< 2	NA
	PW-W7									10/16/2006	13:14	EAL	NA	310	< 0.2	310	0.37	110	46.1	0.34	< 0.07	105	0.0673	< 0.8	NA	< 0.5	< 0.5	NA	< 0.5	NA	4.14	1730	0.0022	210	NA	850	NA	< 0.5
Monument Creek -	MC-S3	Surface	39° 26' 08"	108° 02' 49'	7S	95W	18	NW SW	6	12/15/2004	9:00	ACZ	390	349	NA	349	NA	68.7	NA	NA	0.58	53	0.015	< 0.05	2.93			< 0.03	< 0.01	NA	3.1	680	< 0.04	98.8	< 0.03	240	< 0.3	NA
Battlement Mesa	MC-S3									10/18/2005	13:05	PAL	NA	330	0.12	330	< 0.2	66	15	0.32	0.14	48	< 0.01	< 0.1	2.3			NA	NA	< 0.05	4.0	640	0.0078	79	NA	180	< 2	NA
	MC-S3									10/17/2006	12:40	EAL	NA	306	< 0.2	306	0.11	59.6	17	0.41	< 0.07	43	< 0.005	< 0.8	NA	9.01	< 0.25	NA	< 0.25	NA	2.7	614	0.0047	84.1	NA	178	NA	< 0.5
												MEAN	305.294	271.968	0.171	271.96809	0.1475	53.1826	7.88258	0.30923	2.92238	36.331489	0.0272333	0.05	0.5536875	3.0181818		0.0876923	0.0291667	0.0653333	2.43775	464.404	0.00625	53.1017		116.615		
												MEDIAN	278	306	0.14	306	0.085	50.8	2.8	0.31	0.14	30.1	0.015	0.05	0.295	2		0.06	0.02	0.053	1.6	400	0.00495	47.3		56.5		
												MAX	782	396	0.29	396	0.37	120	58.1	0.64	39	120	0.0673	0.05	2.93	9.01		0.24	0.08	0.091	8.2	1730	0.014	210		850		
												MIN	92	70.5	0.11	70.5	0.05	18.2	0.71	0.1	0.02	5.24	0.005	0.05	0.02	0.53		0.03	0.01	0.052	0.4	90	0.0022	7.16		4.5		
												EPA Drinking Water Standards	NS	NS	NS	NS	NS	NS	NS	NS	(0.3*)	NS	(0.05*)	NS	NS	NS	NS	NS	NS	NS	NS	(500*)	0.05	NS	NS	(250*)	NS	NS
												COGCC Water Standards	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.25xbg	NS	NS	NS	< 1.25xbg	NS	NS

NA - Not Analyzed
NS - No Standard
MCL - Maximum Contaminant Level EPA Drinking Water Standard for Public Water Supplies
(*) : Denotes a Secondary Drinking Water Standard (Recommended, but not Enforceable)

< - Analyte Not Detected above Method Detection Limit
(H): Analysis exceeded the laboratory method Holding Time
(B): Analyte was detected at a value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)

ACZ - ACZ Laboratories, Inc. - Steamboat Springs, Colorado
PAL - Paragon Analtyics, Inc. - Fort Collins, Colorado
EAL - Evergreen Analytical Laboratory - Wheat Ridge, Colorado

TABLE 9

Evergreen Analytical Laboratory Anion and Cation Ion Balance

2006 Annual Water Sampling Results
PRESCO, Inc. - Battlement Mesa, Garfield County, Colorado

Sample ID	Bicarbonate (HCO_3) Meq/L	Carbonate (CO_3) Meq/L	Chloride (Cl) Meq/L	Nitrates (NO_3) Meq/L	Sulfate (SO_4) Meq/L	Phosphate (PO_4) Meq/L	Anions Total	Calcium (Ca) Meq/L	Magensium (Mg) Meq/L	Potassium (K) Meq/L	Sodium (Na) Meq/L	Cations Total	Ion Balance % Difference	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
JLS-W1	6.154	0	0.073	0.093	0.56		6.881	1.682	2.864	0.027	2.636	7.208	2.32	308	393
USGS-BC1	2.509	0	0.028	0	0.206		1.643	18.2	5.24	1.2	7.16	1.682	1.16	70.5	111
CW-W2	5.735	0	0.051	0.023	1.337		7.145	2.854	2.139	0.012	2.084	7.09	0.39	287	393
HC-S2	2.398	0	0.097	0.009	0.264		2.768	1.577	0.629	0.025	0.561	2.792	0.43	120	176
LJS-W3	6.294	0	0.113	0.051	0.664		7.123	1.497	3.818	0.19	1.609	7.115	0.06	315	369
GVS-SP1	5.375	0	0.127	0.097	0.548		6.147	1.687	2.691	0.049	1.944	6.37	1.79	269	338
RS-W4	3.037	0	0.022	0.005	0.094	0.003	3.16	1.617	1.103	0.107	0.605	3.431	4.11	152	182
EG-SP2	6.154	0	0.068	0.011	1.595		7.828	3.144	2.386	0.009	2.323	7.862	0.21	308	439
WK-SP3	6.234	0	0.054	0.021	1.253		7.563	3.074	2.559	0.013	1.983	7.629	0.44	312	417
LH96-SP4	7.194	0	0.079	0.034	2.353		9.659	3.328	3.793	0.015	2.162	9.298	1.9	360	536
CK-W5	6.854	0	0.104	0.032	1.358		8.349	2.136	3.267	0.043	3.14	8.587	1.4	343	477
TJ-W6	3.737	0	0.033	0.019	0.233		4.022	2.37	0.963	0.021	0.405	3.759	3.38	187	242
PW-W7	6.194	0	1.3	0	17.177		24.677	5.489	8.64	0.106	9.134	23.37	2.72	310	1730
MC-S3	6.114	0	0.48	0.145	3.706		10.447	2.974	3.538	0.07	3.658	10.241	1	306	614

Meq/L - milliequivalent of solute per liter of solvent (water)
mg/L - milligrams per liter

TABLE 10

IRON RELATED BACTERIA, SULFATE REDUCING BACTERIA, SLIME FORMING BACTERIA

2006 Annual Water Sampling - Laboratory Analytical Results
Presco, Inc. - Battlement Mesa, Garfield County, Colorado

OWNER NAME	Sample ID	Sample Source	Latitude	Longitude	TWP	RNG	SEC	QTR/QTR	P.M.	DATE SAMPLED	TIME SAMPLED	Laboratory	Iron Related Bacteria (CFU/ml)	Sulfate Reducing Bacteria (CFU/ml)	Slime Forming Bacteria (CFU/ml)
Juanita Satterfield	JLS-W1	Well			7S	95W	10	NE NW	6	11/9/2004	10:08	GJL	500	detected	66,500
	JLS-W1									10/18/2005	12:20	GJL	9,000	absent	66,500
	JLS-W1									10/17/2006	10:08	GJL	2,300	200	350,000
Battlement Creek (USGS Gauging)	USGS-BC1	Surface	39° 26' 24"	107° 59' 01"	7S	95W	15	NE SE	6	11/9/2004	11:39	GJL	2,300	700,000	66,500
	USGS-BC1									10/17/2005	12:02	GJL	9,000	700,000	350,000
	USGS-BC1									10/16/2006	12:38	GJL	9,000	700,000	350,000
Cary Weldon	CW-W2	Well			7S	95W	25	NE SW	6	11/9/2004	13:06	GJL	25	absent	12,500
	CW-W2									10/17/2005	9:29	GJL	500	absent	66,500
	CW-W2									10/16/2006	9:35	GJL	9,000	absent	66,500
Hayward Creek near Weldon's	HC-S2	Surface	39° 24' 17"	107° 56' 52"	7S	95W	25	NE SW	6	11/9/2004	13:50	GJL	2,300	700,000	66,500
	HC-S2									10/17/2005	10:39	GJL	9,000	700,000	350,000
	HC-S2									10/16/2006	10:20	GJL	9,000	700,000	350,000
Lynn J. Shore	LJS-W3	Well			7S	95W	16	SW NE	6	11/9/2004	15:13	GJL	2,300	absent	12,500
	LJS-W3									10/17/2005	13:47	GJL	9,000	200	66,500
	LJS-W3									10/16/2006	12:05	GJL	9,000	absent	12,500
Grand Valley Springs - Parachute	GVS-SP1	Spring			7S	95W	5	SW SE	6	11/10/2004	8:15	GJL	absent	absent	absent
	GVS-SP1									10/18/2005	8:45	GJL	9,000	18,000	66,500
	GVS-SP1									10/17/2006	8:55	GJL	absent	absent	500
Joan Savage (Roy Savage)	RS-W4	Well			7S	94W	20	NE SW	6	11/10/2004	10:50	GJL	9,000	200	66,500
	RS-W4									11/18/2005	8:40	GJL	9,000	200	350,000
	RS-W4									10/20/2006	11:30	GJL	9,000	1,200	350,000
Ethel Gardner	EG-SP2	Spring			7S	95W	25	SE NW	6	11/10/2004	13:36	GJL	2,300	5,000	66,500
	EG-SP2									10/17/2005	10:06	GJL	2,300	1,200	350,000
	EG-SP2									10/16/2006	13:55	GJL	NS	NS	NS
Wesley Kent	WK-SP3	Spring			7S	95W	25	NE SW	6	11/10/2004	14:35	GJL	9,000	absent	12,500
	WK-SP3									10/17/2005	11:17	GJL	9,000	absent	66,500
Wesley Kent (Duplicate)	WK-SP3D	Spring			7S	95W	25	NE SW	6	10/17/2005	11:19	GJL	9,000	absent	66,500
	WK-SP3									10/17/2006	8:47	GJL	9,000	absent	66,500
Craig (Judy) Hayward 96 Spring	LH96-SP4	Spring			7S	95W	25	SW NW	6	11/10/2004	15:45	GJL	2,300	1,200	66,500
Judy Hayward (Partial Duplicate)	(JHD-SP5)	Spring			7S	95W	25	SW NW	6	11/10/2004	16:01	GJL	NS	NS	NS
	LH96-SP4									10/17/2005	15:15	GJL	2,300	200	66,500
	LH96-SP4									10/16/2006	15:25	GJL	9,000	absent	66,500
Christy Koeneke	CK-W5	Well			7S	95W	10	SE NW	6	12/2/2004	11:50	GJL	2,300	absent	500
	CK-W5									10/18/2005	10:35	GJL	9,000	absent	12,500
Christy Koeneke (Duplicate)	CK-W5D	Well			7S	95W	10	SE NW	6	10/18/2005	10:40	GJL	9,000	absent	12,500
	CK-W5									10/17/2006	8:45	GJL	2,300	absent	66,500
Tim and Karla Jacobs	TJ-W6	Well			7S	94W	7	NE NW	6	12/2/2004	12:40	GJL	9,000	absent	66,500
	TJ-W6									10/18/2005	9:37	GJL	2,300	absent	12,500
	TJ-W6									10/17/2006	10:47	GJL	2,300	absent	66,500
Pat and Randy Warren	PW-W7	Well			7S	95W	15	NE SE	6	12/15/2004	7:50	GJL	9,000	200	absent
Randy Warren (duplicate)	RW-W8	Well			7S	95W	15	NE SE	6	12/15/2004	7:55	GJL	9,000	200	12,500
	PW-W7									10/17/2005	14:24	GJL	9,000	present - low	66,500
	PW-W7									10/17/2006	13:14	GJL	500	absent	12,500
Monument Creek -	MC-S3	Surface	39° 26' 08"	108° 02' 49"	7S	95W	18	NW SW	6	12/15/2004	9:00	GJL	2,300	700,000	350,000
Battlement Mesa	MC-S3									10/18/2005	13:05	GJL	9,000	700,000	350,000
	MC-S3									10/17/2006	12:40	GJL	9,000	700,000	350,000

MEAN	6105.357143	301333.3333	126035.7143
MEDIAN	9000	5000	66500
MAX	9000	700000	350000
MIN	25	200	500
	absent	absent	absent

GJL - Grand Junction Laboratory - Grand Junction, Colorado performed all BART Analysis
CFU/ml - Colony Forming Units per milliliter