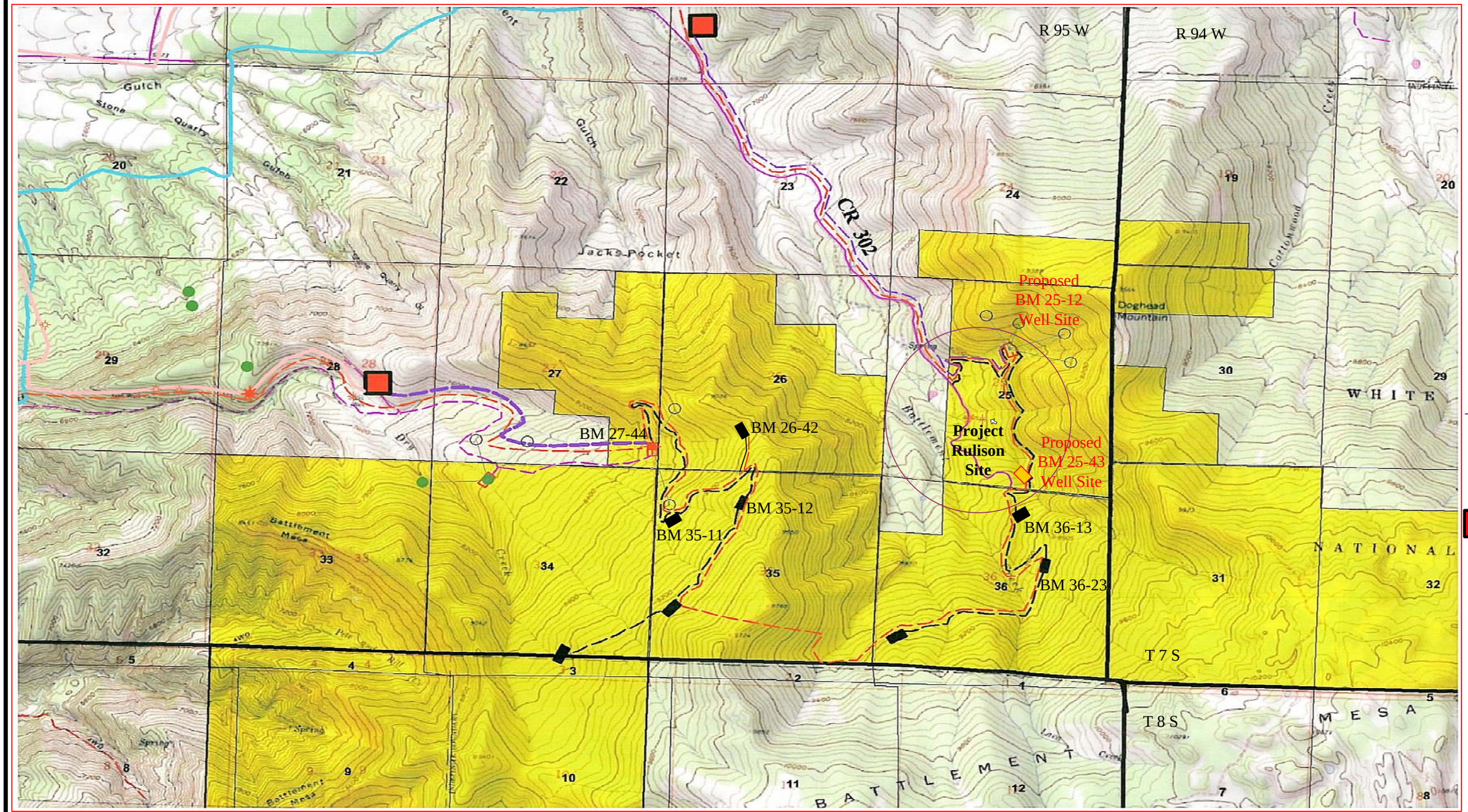
FIGURES AND TABLES



LEGEND:

- Existing Well Pad
- Proposed Well Pad
- Directional Boring/ Bottom of Hole
- COGCC ½ Mile Radius
- PRESCO Surface/ Minerals
- Proposed Tank Battery Location

1/2 mile 0 1 mile

Approximate Scale

Figure 1
General Site Location Map

PRESCO Inc.
Gas Well Drilling Monitoring
August - November 2006
Battlement Mesa, Garfield County, Colorado

Revision Date:	06/06/07
Revision Number	
Revised by:	JWH
Approved by:	
Project Number:	E04243
Scale:	As Shown

CORDILLERAN

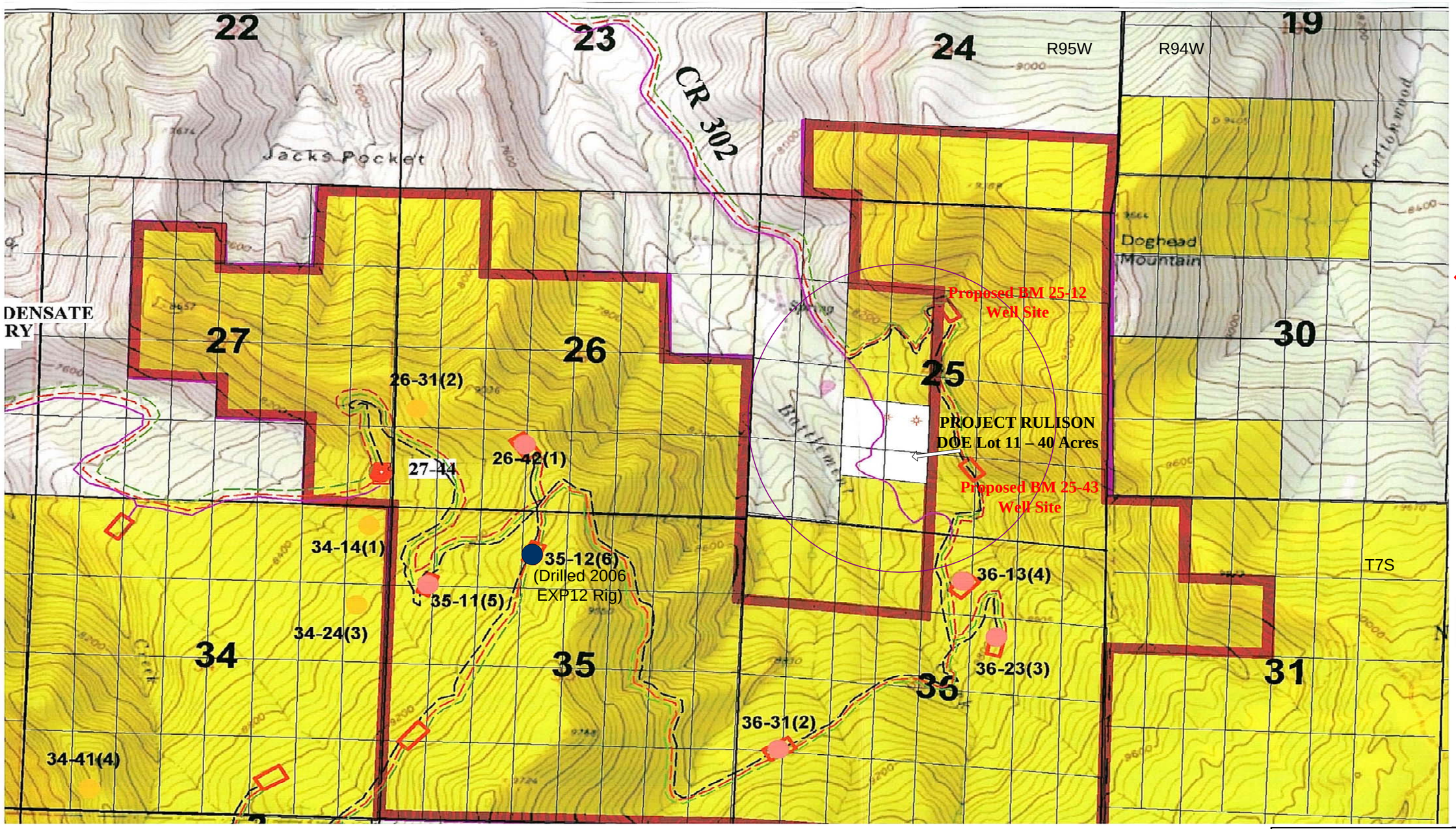


Figure 2
PROJECT RULISON SITE & PROXIMATE GAS WELLS

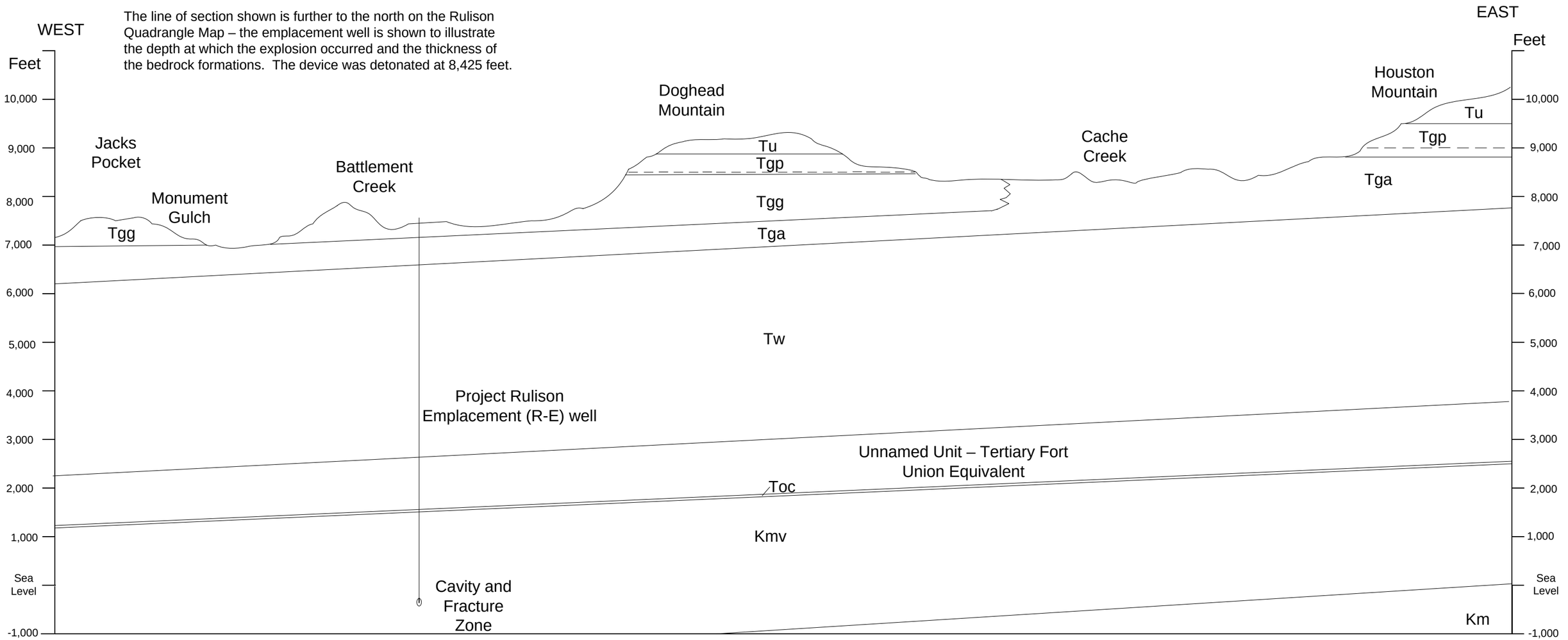
PRESCO Inc.
Gas Well Drilling Monitoring
August - November 2006
Battlement Mesa, Garfield County, Colorado

Revision Date:	06/06/07
Revision Number	
Revised by:	JWH
Approved by:	
Project Number:	E04243
Scale:	As Shown

CORDILLERAN

Note: Quaternary age, unconsolidated deposits including terrace, flood plain, and alluvial deposits, basalt boulder colluvium are not shown. These units are typically less between 50 feet and 200 feet thick.

The line of section shown is further to the north on the Rulison Quadrangle Map – the emplacement well is shown to illustrate the depth at which the explosion occurred and the thickness of the bedrock formations. The device was detonated at 8,425 feet.



LEGEND:

Tu - Tertiary age Uinta Formation (Eocene) Light brown and gray very fine to medium-grained sandstone and medium-grained marl stone and siltstone.

Tgp - Tertiary age Green River Formation (Eocene), Parachute Creek Member – gray weathering to black, brown, and gray marlstone, includes oil shale, locally forms cliffs; contains minor amounts of light gray siltstone. Dashed line is the Mahogany zone oil shale. Total thickness is 2,100 feet for the entire formation including various members.

Tgg - Tertiary age Green River Formation (Eocene) Garden Gulch Member, light gray marlstone, dark brown to black, locally fissile shale, some oil shale; light gray oolitic limestone, sandstone, and some massive brown fine to medium grained sandstone.

Tga - Tertiary age Green River Formation (Eocene) Anvil Points Member: Brown and buff, massive fine- to coarse-grained sandstone that forms conspicuous ledges, minor amounts of light-gray siltstone, marlstone, and a few thin tan low-grade oil shale beds.

Tw - Tertiary age Wasatch Formation (Eocene) Undifferentated members, Gray-brown in middle part conglomeratic sandstones, variegated purple, lavender, red, gray, yellowish brown shale, claystone; with some locally lenticular fine- to coarse-grained sandstone. Mostly covered by Quaternary units south of the Colorado River. (Total thickness: 5,000 ft) The Wasatch Formation overlies an unnamed unit of Paleocene age equivalent to the Fort Union.

Toc - Tertiary Ohio Creek Formation – Massive, fine- to coarse-grained white to brown sandstone; in most places, conglomeratic with pebbles to cobbles of quartz, quartzite, chert, and some limestone and granite pebbles. Thickness: 50 ft

Kmv - Upper Cretaceous age, Mesaverde Group, consists of the upper Lewis-Lance equivalent, the Williams Fork Formation, and Isles Formation composed of discontinuous sandstone lenses and shales. Formation is impermeable, but contains substantial natural gas resources. Total thickness 2,500 ft

Km - Lower Cretaceous age, Mancos Shale – gray marine shale (Total thickness 1,700 ft)

Cross-Section Adapted from
Yeend et al, 1988
Yeend, 1969
AEC, 1973
DOE, 1984

Figure 3
Geologic Cross Section of Rulison Area

PRESCO, Inc.
2006 Annual Gas Well Monitoring Report
Battlement Mesa, Garfield County, Colorado

Revision Date	05/29/07
Revision No.	
Revised By	JWH
Project No.	E04243
Scale	As Shown

CORDILLERAN

Illustrated Glossary

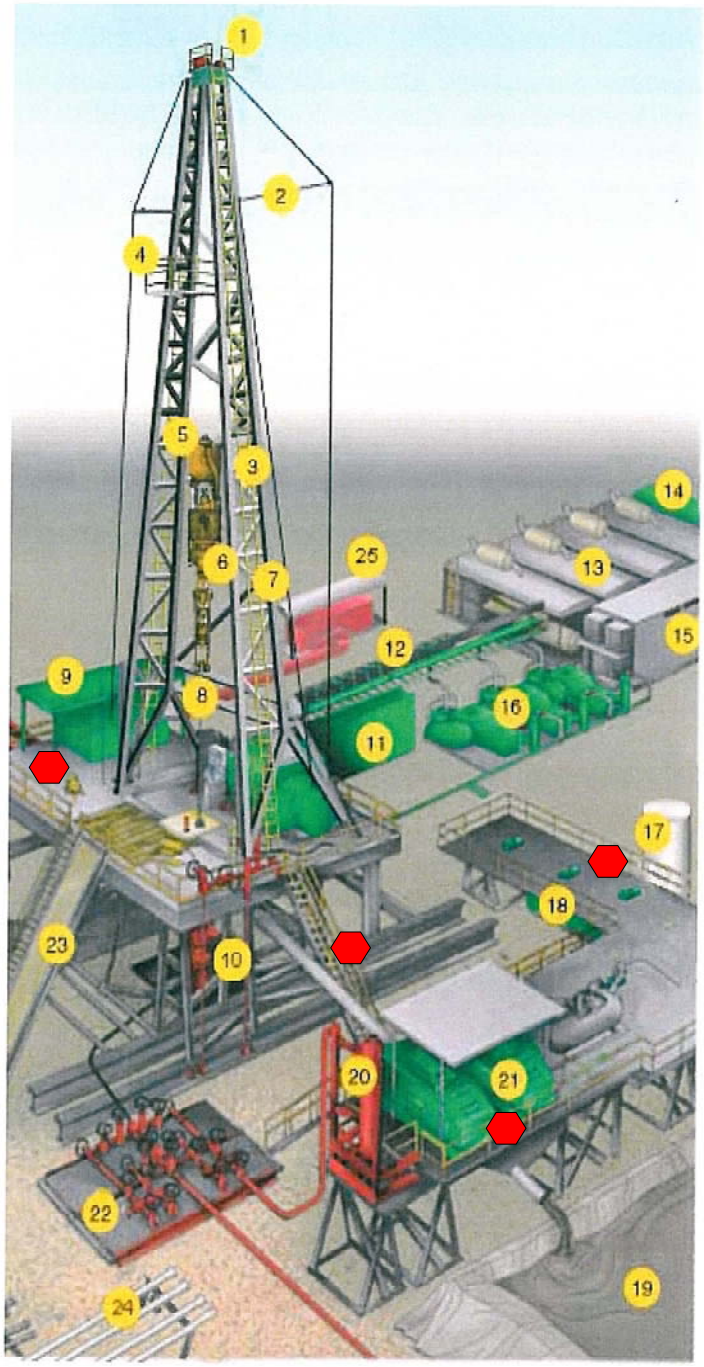
Drilling Rig Components

Click on the name below or a number on the graphic to see a definition and a more detailed photo of the object.

1. Crown Block and Water Table
2. Catline Boom and Hoist Line
3. Drilling Line
4. Monkeyboard
5. Traveling Block
6. Top Drive
7. Mast
8. Drill Pipe
9. Doghouse
10. Blowout Preventer
11. Water Tank
12. Electric Cable Tray
13. Engine Generator Sets
14. Fuel Tank
15. Electrical Control House
16. Mud Pumps
17. Bulk Mud Component Tanks
18. Mud Tanks (Pits)
19. Reserve Pit
20. Mud-Gas Separator
21. Shale Shakers
22. Choke Manifold
23. Pipe Ramp
24. Pipe Racks
25. Accumulator

Additional rig components not illustrated at right.

26. Annulus
27. Brake
28. Casing Head
29. Cathead
30. Catwalk
31. Cellar



Equipment used in drilling

LEGEND:

Landauer® Badge Location

Environmental Thermoluminescent Dosimeter Badges (TLD) were placed on drill equipment as well as being worn by keep site personnel (driller, driller's assistant, company man, mudlogger, tool pusher, etc.)

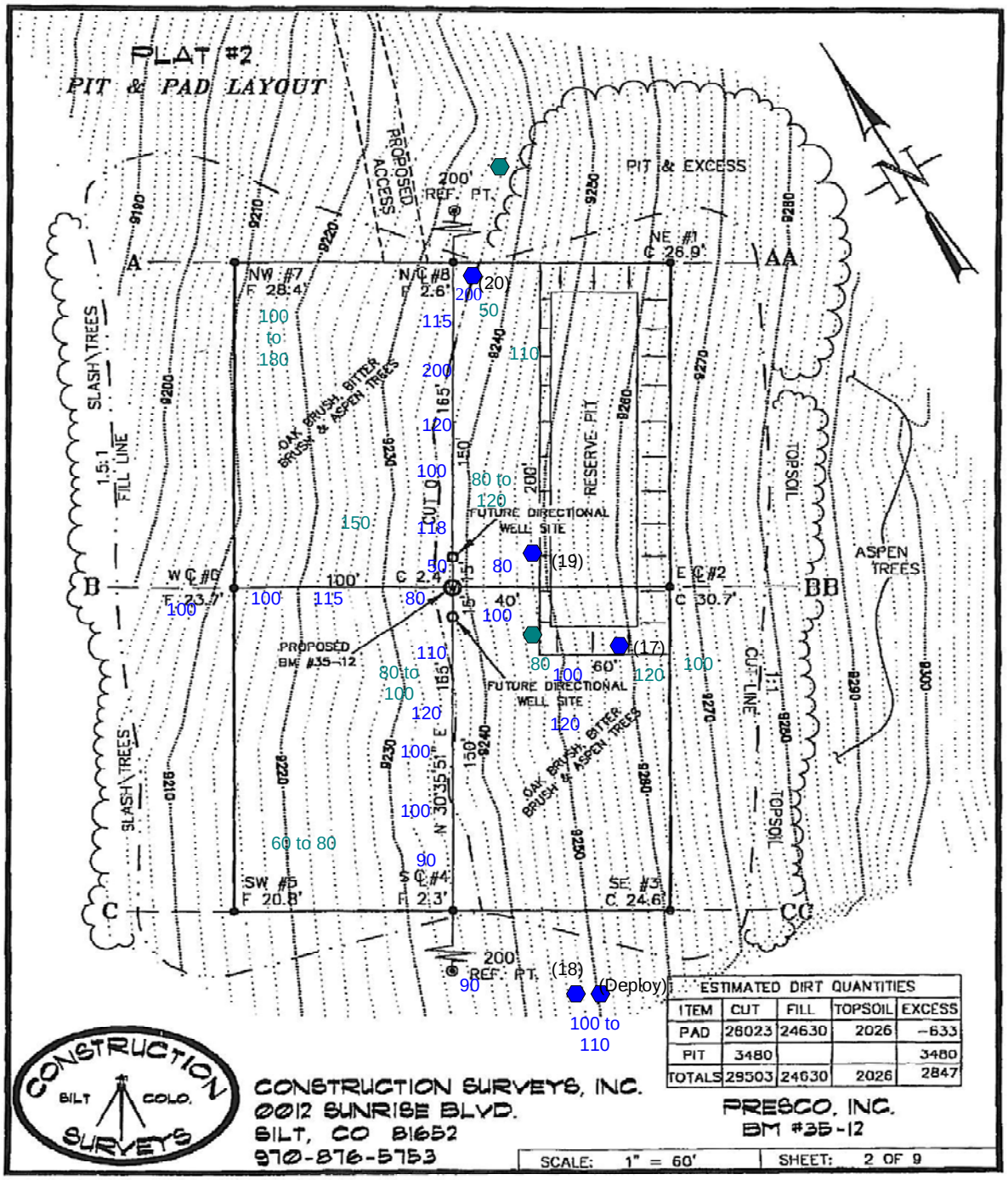
Adapted from the U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Oil and Gas Well Drilling and Servicing eTool, http://www.osha.gov/SLTC/etools/oilandgas/illustrated_glossary.html

Figure 4
Typical Drilling Site and Equipment
Landauer® Badge Location Map

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

Revision Date:	06/06/07
Revision Number	
Revised by:	
Approved by:	JWH
Project Number:	E04243
Scale:	N/A

CORDILLERAN



ESTIMATED DIRT QUANTITIES				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	26023	24630	2026	-633
PIT	3480			3480
TOTALS	29503	24630	2026	2847

CONSTRUCTION SURVEYS, INC.
0012 SUNRISE BLVD.
SILT, CO 81652
970-876-5753

PRESCO, INC.
BM #35-12

SCALE: 1" = 60' | SHEET: 2 OF 9

LEGEND

Ludlum Model 3 Geiger-Mueller Meter Readings are presented in counts per minute (CPM) on the 0.1X setting

100 Ludlum Model 3 GM Meter Reading 8/24/06 (prior to drilling)

100 Ludlum Model 3 GM Meter Reading 9/13/06 (during drilling)

Landauer Badge Location (Badge Number)

Landauer Badge relocated in September 2006

MAP SOURCE: 7.5 MINUTE U.S.G.S. TOPOGRAPHIC MAP (RULISON QUADRANGLE)

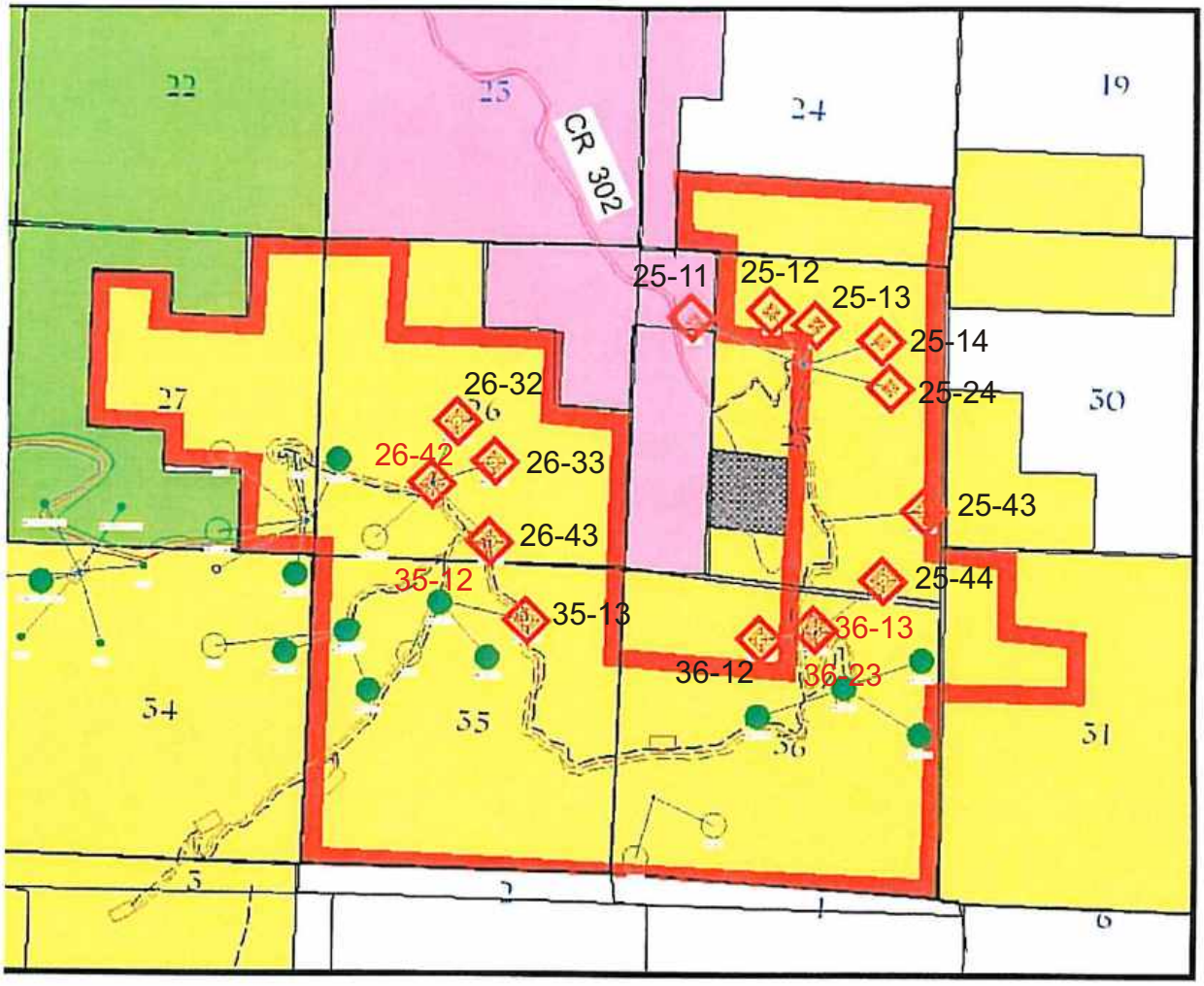
SITE LEGAL LOCATION: NE NW SECTION 35, TOWNSHIP 7S, RANGE 95W, 6th P.M.

N

FIGURE 5
PRESCO BM 35-12
Well Pad Ludlum Meter Screening Results
and Landauer Badge Locations
Garfield County, Colorado

REVISION DATE:	5/25/07
REVISION NUMBER:	001
DRAWN BY:	JWH
APPROVED BY:	JWH
PROJECT # ED04243	
SCALE: As Shown	

CORDILLERAN



Drill Holes/Gas Wells on which PRESCO Plans to Conduct Radiation Monitoring

Drill Hole/Gas Well – Not Monitored

Designated 40 Acres Surrounding Project Rulison – Set Aside by AEC/DOE Prohibiting Drilling Below 6,000 feet

Figure 6
PRESCO Inc.
Drill Holes Planned for Radiation Monitoring
In Proximity to Project Rulison
Rulison, Battlement Mesa
Garfield County, Colorado

Revision Date:	06/08/06
Revision Number	
Revised by:	
Approved by:	JWH
Project Number:	E04243
Scale:	N/A

CORDILLERAN

TABLE 1

BATTLEMENT MESA GEOLOGY AND STRATIGRAPHY

System and Geologic Period	Formation Name	Description of General Lithologies	Hydrogeologic Characteristics	Approximate Thickness in Feet
Quaternary	"Recent"	Low terrace, flood plane, and alluvial deposits.	Yields water to wells	20 to 40 >100 locally
	"Pleistocene"	Terrace and fan, sand and gravel, pediment gravel, colluvium, mudflow, solifluction deposits	Yields water to wells	
Tertiary	Igneous Intrusive Rocks	Basalt flows, dikes, sills underlain by variegated claystones and gravel	Recharge Area - Fractures (9.7 ± 0.49 ma K-Ar dating)	200 to 500
	Uinta Formation	Light brown and gray sandstone marlstone and siltstone	Uinta-Animas Aquifer Does not yield water to wells near Project Rulison	50 to 900
	Green River	Members (Evacuation Creek, Parachute Creek, Garden Gulch, Anvil Points and Douglas Creek) Shale, marlstone ('oil shale') with minor sandstone & siltstone	Sandy zones in the lower part may yield minor quantities of water locally. Generally a confining unit. Saline water in Piceance Basin center.	1,700 to 2,100 Evacuation Crk (500') Parachute Crk (600') Lower (1,000')
	Wasatch (undifferentiated)	Bright colored clays and shale with minor sandstone. Variegated shale and clay with some lenticular beds of sandstone and conglomerate, and limestone.	Confining Unit	3,900 to 5,000
	Unnamed unit (Fort Union equivalent)	Brown-gray shale and thin coal seams.	Confining Unit	500 to 1000
	Ohio Creek	Sandstone and Conglomerate	May locally yield quantities of water to wells. Is not known to yield water near Project Rulison site.	37 to 75
Upper Cretaceous	Lewis-Lance Equivalent	Shale and sandstone	Does not yield water near Rulison	2,000 to 3,300
Mesaverde Group	Williams Fork	Shale and lenticular sandstones Members: Paonia Shale, Bowie Shale, Cameo Coal and Wheeler-Fairfield Coal zones lower part, Rollins-Trout Creek Sandstone at base.	Confining Unit. Does not yield water near Rulison Site. Impermeable shale and numerous discontinuous, lenticular sandstone beds. Natural Gas Production	
	Isles	Shale and sandstone Members: Cozzette Sandstone, Corcoran Sandstone, Sego Sandstone Castlegate Sandstone.	Confining Unit Natural Gas Production	
Lower Cretaceous	Mancos Shale	Gray marine shale, base of the aquifer system	Confining Unit	1,700

References: W.E. Yeend, 1969
Hildebrand et al, 1981
Robson and Banta, 1995

TABLE 2
Representative Source Term for the Project Rulison - Radionuclide Estimated Inventories

Radionuclide	Isotope Symbol	Natural Abundance	Half-Life (t1/2 yr)	Estimated Inventory (Ci)[a]	Primary Decay Mode	Decay Energy (MeV)	Daughter Products	Associated Radiation Types	Energy of Associated Radiation Types (MeV)
Tritium	H-3	Trace	12.35	10000[b]	β	0.019	^{3}He		
Carbon-14	C-14	Trace	5,730	2.2[c]	β	0.156	^{14}N		
Aluminum-26	Al-26	Synthetic	730,000	0.000118	β+, é	1.17	^{26}Mg	γ	1.81
Chlorine-36	Cl-36	Synthetic	301,000	2.82	β	0.709	^{36}Ar, ^{36}S		
Argon-39	Ar-39	Synthetic	269	24.30	β	0.565	^{39}K		
Potassium-40	K-40	0.012%	1,280,000,000	6.17	β	1.31	^{40}Ca, ^{40}Ar	γ	1.46
Calcium-41	Ca-41	Synthetic	103,000	21.60	é		^{41}K		
Nickle-59	Ni-59	Synthetic	76,000	0.53	é		^{59}Co		
Nickle-63	Ni-63	Synthetic	100	55.40	β	0.0069	^{63}Cu		
Krypton-85	Kr-85	Synthetic	10.7	1110[b]	β	0.687	^{85}Rb		
Strontium-90	Sr-90	Synthetic	29	15,700	β	0.2	^{90}Y		^{90}Y: β = 0.94
Zirconium-93	Zr-93	Synthetic	1,500,000	0.55	β	0.06	^{93}Nb		
Niobium-93m	Nb-93m	Synthetic	16	99.9	IT	0.031	^{93}Nb		
Niobium-94	Nb-94	Synthetic	20,000	2.28	β	0.471	^{94}Mo	γ	0.702; 0.87
Technetium-99	Tc-99	Trace	213,000	4.04	β	0.294	^{99}Ru	γ	0.14 Tc99m
Palladium-107	Pd-107	Synthetic	6,500,000	0.021	β	0.033	^{107}Ag		
Cadmium-113m	Cd-113m	Synthetic	14	15.3	β	0.019	^{113}In		
Tin-121m	Sn-121m	Synthetic	55	56.7	β, IT	0.035		γ	0.005
Tin-126	Sn-126	Synthetic	100,000	0.65	β	0.17	^{126}Sb	γ	0.057
Iodine-129	I-129	Synthetic	15,700,000	0.012	β, é	0.194	^{129}Xe		
Cesium-135	Cs-135	Trace	2,300,000	0.42	β	0.269	^{135}Ba		
Cesium-137	Cs-137	Synthetic	30	19,900	β	1.176	^{137}Ba	γ	662 KeV
Samarium-151	Sm-151	Synthetic	90	751	β	0.02		γ	< 0.001
Europium-150	Eu-150	Synthetic	36	14.6	β+, é	2.26	^{150}Sm	β, γ	0.044, 1.5
Europium-152	Eu-152	Synthetic	13.5	433	β, é	1.87, 1.82	^{152}Sm, ^{152}Gd	β, γ	0.14, 1.2
Europium-154	Eu-154	Synthetic	8.59	240	β, é	0.29	^{154}Gd	β, γ	0.29, 1.2
Holmium-166m	Hm-166m	Synthetic	1,200	0.59	β	65 KeV	^{166m}Er		
Thorium-232	Th-232	100%	14,000,000,000	0.00077	α	4.08	^{228}Ra	β, γ	0.012, 0.0013
Uranium-232	U-232	Synthetic	70	3.36	α	5.41	^{228}Th	β, γ	0.017, 0.0022
Uranium-233	U-233	Synthetic	159,000	2.25	α	4.91	^{229}Th	β, γ	0.0061, 0.0013
Uranium-234	U-234	0.0054%	246,000	1.62	α	4.86	^{230}Th	β, γ	0.013, 0.0017
Uranium-235	U-235	0.72%	704,000,000	0.022	α	4.68	^{231}Th	β, γ	0.049, 0.16
Uranium-236	U-236	Synthetic	23,400,000	0.062	α	4.57	^{232}Th	β, γ	0.011, 0.0016
Uranium-238	U-238	99.30%	4,470,000,000	0.029	α	4.27	^{234}Th	β, γ	0.010, 0.0014
Neptunium-237	Np-237	Synthetic	2,140,000	0.48	α	4.96	^{233}Pa	β, γ	0.07, 0.035
Plutonium-238	Pu-238	Synthetic	87.7	94.2	α	5.5	^{234}U	β, γ	0.011, 0.0018
Plutonium-239	Pu-239	Synthetic	24,100	254	α	5.25	^{235}U	β, γ	0.0067, < 0.001
Plutonium-240	Pu-240	Synthetic	6,560	81.6	α	5.2	^{240}Am	β, γ	0.011, 0.0017
Plutonium-241	Pu-241	Synthetic	14.4	1,180	β	0.0052	Am	α, γ	< 0.001, < 0.001
Plutonium-242	Pu-242	Synthetic	375,000	0.044	α	4.98	^{238}U	β, γ	0.0087, 0.0014
Americium-241	Am-241	Synthetic	433	61.4	α	5.64	^{237}Np	β, γ	0.052, 0.033
Americium-243	Am-243	Synthetic	7,370	0.0024	α	5.44	^{239}Np	β, γ	0.022, 0.055
Curium-244	Cm-244	Synthetic	18	39.1	α	5.9	^{240}Pu	β, γ	0.086, 0.0017

List of radionuclides, Symbol, half-life, and estimated inventory from the DOE Project Rulison End State Document - January 2005
Natural Abundance, Decay Mode, and Decay Energy from http://en.wikipedia.org and Argonne National Laboratory

[a] Except where noted, value is from the mean unclassified radionuclide inventory for 76 nuclear tests detonated below or within 328 ft of the water table in Areas 19 and 20 of the Nevada Test Site

[b] Value is an unclassified estimate for the Rulison test specifically, from Reynolds (1971)

[c] Value is an unclassified estimate for the Rulison test specifically, and is the total of gaseous species only, from Smith (1971).

α: alpha decay
β: beta decay
β+: positron
é: electron capture
IT: Isomeric transition
γ: gamma radiation

t 1/2 yr: half-life is the time required for half the material present to decay
Ci: curies, unit of measure for radioactivity

Daughter products shown in blue are stable, and those shown in red are radioactive.

TABLE 3

Battlement Mesa Natural Gas
Radionuclides of Interest Occupational Limits

					Inhalation						Ingestion	
Radionuclide	**Class/f1**	**Half Life (Years)**	**Radiation Type**	**Energy (MeV)**	**ALI (MBq)**	**ALI (µCi)**	**ALI (pCi)**	**DAC (MBq/m^3)**	**DAC (µCi/ml)**	**DAC (pCi/ml)**	**ALI (MBq)**	**ALI (pCi)**
Hydrogen Tritium (H-3)	Water Vapor	12.35	Beta (b)	0.019	3,000	80,000	80,000,000,000	0.8	0.00002	20	3,000	80,000,000,000
	Elemental											
Carbon-14 (C-14)	Compounds*	5,730	Beta (b)	0.16	90	2,000	2,000,000,000	0.04	1.00E-06	1	90	2,000,000,000
	CO				60,000	2,000,000	2,000,000,000,000	30	7.00E-04	700	--	
	CO_2				8,000	200,000	200,000,000,000	3	9.00E-05	90	--	
Krypton-85 (Kr-85)	Submersion	10.72	Beta (b)	0.25								
			Gamma (g)	0.0022	--	--	--	5	0.0001	--	--	--

ALI - Annual Limits on Intake
DAC - Derived Air Concentrations
MeV - mega electron volt
MBq - mega becquerel
µCi - microcuries
pCi - picocures
"--" 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.
Submersion 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.

"Submersion" means that values give are for submersion in a hemispherical , semi-infinite cloud of airborne material.
For Hydrogen as Tritium in water the DAC includes skin absorption. Gas (HT or T_2) Submersion uses above values as tritium oxidizes in the air and in the body.

Sources: U.S. Nuclear Regulatory Commission
Colorado Department of Public Health and Environment

TABLE 4

Landauer® Environmental Dosimeter Badge - 2006 Results
PRESCO, Inc. Battlement Mesa Gas Well Development
Garfield County, Colorado

Location ID Number	Identifier (Client Supplied)	Note Code	Exposure of Dosimeter (Millirems Ambient Dose Equivalent)		Net Cumulative Totals (millirems)			X9 Badge Series No.	Number of Dosimeters Reported	Badge Series Deployment Date	Badge Deployment Date	Badge Retrieval Date	Inception Date of Permanent Total	Dosimeter Badge Location/Personnel Description
			Gross (mrem)	Net (mrem)	Calendar Quarter	Year to Date	Permanent							
Exposure Period 8/15/06														
00000	Transit Control		10.6	-2.8				0555296V						Cordilleran Offices - Arvada, CO
000X9	Deploy Control		13.4	0.0				0551427V						BM 35-12 Aspen Tree upslope from southeast side of well pad next to badge 00018
00017	EXP12		12.4	-1.0	-1.0	-1.0	-1.0	0414231V	1	8/24/2006	8/24/2006	9/13/2006	8/15/2006	BM 35-12 Southeast side of reserve pit on "T" post/fence (Prior to drilling)
00018	EXP12		11.7	-1.7	-1.7	-1.7	-1.7	0413807V	1	8/24/2006	8/24/2006	9/13/2006	8/15/2006	Aspen Tree upslope from southeast side of well pad next to deploy control badge 000X9
00019	EXP12	A						0607943V		8/24/2006	8/24/2006			West side of fence surrounding reserve pit, adjacent to BM 35-12 drilling location
00020	EXP12		11.4	-2.0	-2.0	-2.0	-2.0	0610376V	1	8/24/2006	8/24/2006	9/13/2006	8/15/2006	North - northeast corner of well pad adajcent to well sign/piping culverts (prior to drilling)
00021	EXP12		11.0	-2.4	-2.4	-2.4	-2.4	0413602V	1	8/24/2006	8/24/2006	9/13/2006	8/15/2006	Inside Trailer - Window for Tool Pusher (Joe Roberts) at BM 34-4 location
00022	EXP12		11.2	-2.2	-2.2	-2.2	-2.2	0608568V	1	8/24/2006	8/24/2006	9/13/2006	8/15/2006	Upper doghouse - pipe/space heater at BM 34-4 location prior to moving to BM 35-12
00023	EXP12		9.4	-4.0	-4.0	-4.0	-4.0	0606244V	1	8/24/2006	8/24/2006	9/13/2006	8/15/2006	Shale Shaker - BM 34-4 prior to EXP 12 rig moving to BM 35-12 location
00024	EXP12	LP	13.8	0.4	0.4	0.4	0.4	0610768V	1	8/24/2006	8/24/2006	9/13/2006	8/15/2006	Mud Mixing Tank - BM 34-4 location prior EXP 12 rig to moving to BM 35-12 location
Exposure Period 9/15/06														
00000	Transit Control	NC	15.2					0553345V	1					Cordilleran Offices - Arvada, CO
0009X	Deploy Control	A												Aspen tree upslope from southeast corner of well pad (BM 35-12) - destroyed
00025	EXP12	A						0610693V			9/13/2006			Upper doghouse (replace badge 00022) EXP 12 rig at the BM 35-12 location
00026	EXP12	NC	15.4					0609030V	1		9/13/2006	10/16/2006		Shale Shaker (replace badge 00023) EXP 12 rig on the BM 35-12 location
00027	EXP12	NC	15.9					0607281V	1		9/13/2006	10/16/2006		Mud Mixing Tank (replace badge 00024) EXP 12 rig at the BM 35-12 location
00028	EXP12	A						0608031V			9/13/2006			Tool pusher's trailer (replace badge 00021) at the BM 35-12 location
00029	EXP12	A						0607184V			9/13/2006			Aspen tree upslope from southeast corner of well pad (BM 35-12) - destroyed
00030	EXP12	NC	19.6					0610046V	1		9/13/2006	10/16/2006		Fence/ T-post on southeast end of reserve pit (replace badge 00017)
00031	EXP12	NC	17.8					0551056V	1		9/13/2006	10/16/2006		Replace August badge # 00019 (missing) on west side of fence
00032	EXP12	NC	16.1					0470069V	1		9/13/2006	10/16/2006		North side of reserve pit fence/t-post
Exposure Period 10/15/06														
00000	Transit Control		12.8	-1.7				0469902V						Cordilleran Offices - Arvada, CO
000X9	Deploy Control		14.5	0.0				0552965V						September deploy badge missing - aspen tree in proximity to first
00025	EXP12	A												Fire extinguisher on upper dog house (BM 35-12 well location)
00026	EXP12		12.8	-1.7	-1.7	-1.7		06077661V	1		10/16/2006	11/15/2006		Shale Shaker - replace Sept 15 badge (06090030V) with October badge BM 35-12
00027	EXP12		13.1	-1.4	-1.4	-1.4		0470542V	1		10/16/2006	11/15/2006		Mud Mixing Tank - replace Sept 15 badge (0607281V) with October badge at BM 35-12
00028	EXP12		13.6	-0.9	-0.9	-0.9		0414378V	1		10/16/2006	11/15/2006		Fire extinguisher inside company man's trailer inside entry door (trailer at BM 35-12 pad)
00029	EXP12		14.1	-0.4	-0.4	-0.4		0414266V	1		10/16/2006	11/15/2006		Aspen tree upslope from southeast corner of well pad (BM 35-12) Sept badge missing
00030	EXP12		15.5	1.0	1.0	1.0		0555224V	1		10/16/2006	11/15/2006		Southeast reserve pit corner - replace Sept 15 badge
00031	EXP12		14.2	-0.3	-0.3	-0.3		0551570V	1		10/16/2006	11/15/2006		West side of reserve pit fence (BM 35-12) replace Sept 15 badge (0551056V)
00032	EXP12		15.1	0.6	0.6	0.6		0610062V	1		10/16/2006	11/15/2006		Aspen tree on northeast corner upslope from well pad near well sign and culverts

Note Code:

A - Absent (Badge was not recovered)
LP - Low Energy Photon (< 100 KeV effective)
NC - Returned Separately from the Deployment Control

Weather conditions did not allow for badges to be deployed after November 15, 2006 when the October 15, 2006 badges were collected.

TABLE 5

PRESCO, INC - Battlement Mesa Natural Gas Production and Sampling
Garfield County, Colorado

Presco, Inc.														
Pieance Basin														
Production - ITD														
Gas														
	BM 26-42		BM 27-44		BM 34-4		BM 34-24		BM 35-12		BM 36-13		BM 36-23	
	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative
	MCF		MCF		MCF		MCF		MCF		MCF		MCF	
Nov-05	6,414	6,414	1,915	1,915										
Dec-05	20,144	26,558	10,885	12,800										
Jan-06	14,909	41,467	8,375	21,175							6,973	6,973		
Feb-06	9,380	50,847	6,455	27,630							16,734	23,707		
Mar-06	9,170	60,017	5,819	33,449							16,160	39,867		
Apr-06	9,920	69,937	6,508	39,957							12,676	52,543		
May-06	8,097	78,035	5,890	45,847							8,219	60,762		
Jun-06	7,449	85,483	5,410	51,257							7,146	67,908		
Jul-06	7,532	93,016	5,232	56,489							6,806	74,714		
Aug-06	7,096	100,112	4,597	61,086							775	75,490		
Sep-06	6,350	106,462	4,458	65,543	751	751					0	75,490		
Oct-06	5,696	112,158	5,893	71,436	28,567	29,318	27,483	27,483			5,978	81,467	14,456	14,456
Nov-06	5,458	117,616	5,251	76,687	14,337	43,655	24,967	52,450			7,626	89,094	5,583	20,039
Dec-06	5,409	123,024	4,242	80,930	11,515	55,171	26,857	79,306	4,773	4,773	5,273	94,367	4,542	24,582
Jan-07	6,230	129,255	4,430	85,360	9,949	65,120	25,981	105,287	25,793	30,566	4,685	99,052	2,435	27,017
Feb-07	5,251	134,506	5,859	91,219	7,569	72,689	21,339	126,626	13,162	43,729	4,327	103,379	6,279	33,296
Mar-07	5,201	139,707	5,942	97,161	7,294	79,983	20,597	147,223	23,169	66,898	2,098	105,477	4,748	38,044
Apr-07	3,693	143,400	4,350	101,511	5,476	85,459	13,917	161,140	13,800	80,697	0	105,477	950	38,994
May-07	1,212	144,612	1,600	103,112	1,959	87,418	5,432	166,572	4,765	85,462	10	105,488	548	39,542
Total	144,612		103,112		87,418		166,572		85,462		105,488		39,542	
MCF to produce before ordering test	34,195		16,848		(27,418)		(46,572)		24,340		11,946		20,458	
					Doesn't need to be tested due to distance		Stop testing after 35-12 starts producing							
Gas Samples														
12/7/05 test	(11,804)		(4,514)								(4,421)			
1/27/06 test	(39,734)													
4/5/06 test	(61,774)													
5/17/06 test											(57,434)			
8/24/06 test			(59,960)											
12/7/06 test	(118,807)						(59,114)						(20,402)	
3/7/07 test									(49,802)					

Note: Dates show when natural gas samples were collected for compositional analysis, carbon-14, and tritium. Samples were analyzed by Isotech® of Champaign, Illinois.
The numbers in parentheses indicate the volume of gas produced and month when samples were to be collected. The volumes in green in the above table indicate month and production interval when samples were to be collected based on 60 MMCF of gas produced.

TABLE 6

Natural Gas Sample Analysis of PRESCO, Inc. Gas Wells
Sorted by Well

Isotech Lab No.	Sample Name	Date Collected	Helium (He) mol. %	Hydrogen (H_2) mol. %	Argon (Ar) mol. %	Oxygen (O_2) mol. %	Carbon Dioxide (CO_2) mol. %	Nitrogen (N_2) mol. %	Carbon Monoxide mol. %	Hydrogen Sulfide mol. %	Methane mol %	Ethane mol %	Ethylene mol %	Propane mol %	Iso-butane (iC_4) mol %	N-butane (nC_4) mol %	Iso-pentane (iC_5) mol %	N-pentane (nC_5) mol %	Hexanes + (C_6 +) mol %	$\delta\ ^{13}C_{1\ per\ mil}$	$\delta\ DC_{1\ per\ mil}$	$^{14}C_1$ (pMC)	Std. Dev.	Tritium (^3H) TU	Std. Dev.	Tritium (^3H) pCi/L	Comments:
91785	BM26-42	12/7/2005	0.0021	0.0029	0.0265	0.527	5.34	2.33	ND	ND	84.23	4.51	ND	1.9	0.349	0.383	0.158	0.114	0.126	-36.99	-171.5	NA		NA		NA	Insufficient Sample Volume - Tritium & C14 not run
94233	BM26-42	1/27/2006	0.0023	0.0032	ND	0.0075	4.69	0.09	ND	ND	87.83	4.65	ND	1.54	0.332	0.365	0.145	0.108	0.239	-37.04	-181.5	< 0.6		< 10		< 32.1	
96760	BM26-42	4/5/2006	0.0025	0.0041	ND	0.0307	3.77	0.2	ND	ND	88.65	4.66	ND	1.53	0.334	0.365	0.147	0.106	0.201	-36.97	-173.9	< 0.4		< 12		< 38.5	
107404	BM26-42	12/7/2006	0.0023	0.006	ND	0.0718	4.15	0.37	ND	ND	88.82	4.31	ND	1.41	0.303	0.312	0.106	0.0723	0.0685	-36.81	-173.1	< 0.5		< 15		< 48.2	
91786	BM27-44	12/7/2005	0.0031	0.0042	0.258	5.78	4.6	24.78	ND	ND	60.22	2.95	ND	0.833	0.165	0.176	0.0658	0.0518	0.109	-36.88	-198.5	< 0.5		< 10		< 32.1	
102870	BM27-44	8/27/2006	0.0038	0.0043	0.0083	0.139	0.97	0.72	ND	ND	92.25	4.09	ND	1.1	0.233	0.225	0.083	0.0584	0.112	-36.7	-182.8	< 1.0		< 10		< 32.1	
107405	BM34-24	12/7/2006	0.0029	0.0036	ND	0.0261	3.55	0.17	ND	ND	90.28	4.22	ND	1.06	0.225	0.204	0.0801	0.0549	0.125	-36.85	-172.4	< 0.7		< 15		< 48.2	
94234	BM36-13	1/27/2006	0.0027	0.0077	ND	0.0077	6.96	0.31	ND	ND	86.14	4.38	ND	1.27	0.265	0.282	0.11	0.0825	0.181	-36.63	-171.6	< 0.5		< 10		< 32.1	
98934	BM36-13	5/17/2006	0.0023	0.0058	ND	0.0208	2.24	0.2	ND	ND	90.76	4.59	ND	1.27	0.269	0.276	0.11	0.0807	0.178	-36.68	-172.8	< 0.5		< 10		< 32.1	
107406	BM36-23	12/7/2006	0.0022	0.0177	ND	ND	1.5	0.043	ND	ND	89.82	5.74	ND	1.64	0.359	0.364	0.153	0.113	0.245	-36.74	-175.5	< 0.8		< 15.2		< 48.8	
	Average:		0.00262	0.00595	0.0976	0.73451	3.777	2.9213			85.9	4.41		1.3553	0.2834	0.2952	0.11579	0.08416	0.15845	-36.829	-177.36						

mol % - Stoichiometric percentage of element or compound present in the gas sample by molecular weight.
$\delta\ ^{13}C$ -Difference in carbon-13 isotope per mililiter
pMC - percent modern carbon
TU - tritium unit. One tritium unit is equal to 3.21 picocuries per liter (pCi/L)
ND - element or compound was not detected

TABLE 7

Produced Water Production Volumes and Sample Collection
PRESCO, Inc. - Battlement Mesa, Garfield County, Colorado

Presco, Inc.																		
Pieance Basin																		
Production - ITD																		
Water																		
	BM 26-42		BM 27-44		BM 34-4		BM 34-24		BM 35-12		BM 36-13		BM 36-23					
	BBL		BBL		BBL		BBL		BBL		BBL		BBL					
	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative	Monthly	Cummulative				
Nov-05	0	0	0	0		0		0		0		0		0				
Dec-05	695	695	2,068	2,068		0		0		0		0		0				
Jan-06	53	748	797	2,865	0	0		0		0	2,066	2,066		0				
Feb-06	28	776	1,010	3,875	0	0		0		0	4,154	6,220		0				
Mar-06	29	805	533	4,407	0	0		0		0	2,483	8,703		0				
Apr-06	32	837	523	4,930	0	0		0		0	1,384	10,087		0				
May-06	22	858	424	5,354	0	0		0		0	988	11,075		0				
Jun-06	17	875	429	5,784	0	0		0		0	752	11,826		0				
Jul-06	18	894	482	6,266	0	0		0		0	671	12,497		0				
Aug-06	14	908	99	6,365	0	0		0		0	167	12,664		0				
Sep-06	14	922	3	6,368	482	482		0		0	0	12,664		0				
Oct-06	32	953	403	6,771	4,141	4,624	4,301	4,301		0	1,743	14,407	10,505	10,505				
Nov-06	20	973	172	6,943	684	5,308	368	4,669		0	2,030	16,437	3,021	13,526				
Dec-06	25	998	65	7,008	46	5,354	44	4,713	261	261	1,225	17,662	27	13,553				
Jan-07	29	1,026	111	7,119	121	5,475	0	4,713	666	927	1,157	18,818	0	13,553				
Feb-07	10	1,036	2	7,121	222	5,697	0	4,713	4	931	1,002	19,821	0	13,553				
Mar-07	9	1,045	43	7,164	86	5,783	0	4,713	1	931	320	20,141	0	13,553				
Apr-07	5	1,050	0	7,165	1	5,785	0	4,713	0	932	0	20,141	0	13,553				
May-07	1	1,051	0	7,165	0	5,785	0	4,713	0	932	0	20,141	0	13,553				
Total	1,051		7,165		5,785		4,713		932		20,141		13,553			53,339		
Produced Water	Maximum (BBLS)																	
Sample Collected																		
12/07/05	(695)																	
01/27/06																		
04/05/06																		
05/17/06												(11,075)						
05/20/06	(858)																	
08/24/06				(6,365)														
12/07/06	(998)						(4,713)		(931)				(13,553)					
03/07/07																		

Dates indicate when samples of produced water were collected for submittal to Paragon Analytics Laboratories in Fort Collins, Colorado for analysis of tritium and gamma emitting radionuclides.

Numbers in parentheses show the maximum amount of produced water generated during the month in which the sample was collected. Numbers in green correlate to months where natural gas production volumes reached a 60 MMCF threshhold.

TABLE 8
RADIONUCLIDES OF INTEREST
TRITIUM ANALYTICAL RESULTS
Produced Water Sampling Laboratory Analytical Results - Radionuclides
Presco, Inc. - Battlement Mesa, Garfield County, Colorado

WELL NAME/ Sample ID	Sample Source	Latitude	Longitude	TWP	RNG	SEC	QTR/QTR	P.M.	DATE SAMPLED	TIME SAMPLED	Laboratory	DOT Cooler Survey External (µR/hr)	Background (µR/hr)	Tritium (pCi/L)	Tritium Result ± 2σ TPU (pCi/L)	Tritium MDC
BM 26-42	Pit Dischg	39.40455	-107.9674	7S	95W	26	SE SW	6th	12/7/2005	10:35	PAL	13	12	U	130 ± 210	340
	Prod Tank								5/20/2006	12:15	PAL	14	12	U	-170 ± 210	350
	Separator								12/7/2006	11:55	PAL	17	14	U	0 ± 190	330
BM 27-44 PW	Separator	39.40265	-107.9748	7S	95W	27	SE SE	6th	8/24/2006	11:12	PAL	12	12	U	-60 ± 190	320
BM 34-24	Separator	39.39748	-107.9722	7S	95W	34	NW NW	6th	12/7/2006	12:40	PAL	17	14	U	-110 ± 190	330
BM 36-13 PW	Separator	39.39833	-107.9438	7S	95W	36	NW NE	6th	5/17/2006	8:58	PAL	13	12	U	-200 ± 190	330
BM 36-23	Separator	39.39578	-107.9421	7S	95W	36	SW NE	6th	12/7/2006	13:10	PAL	17	14	U	-40 ± 190	330

Abbreviations:
PAL - Paragon Analytics Laboratories in Fort Collins, Colorado
DOT - Department of Transportation. The DOT requires the laboratory perform acceptance screening of the external part of the cooler.
µR/hr - micro roentgens per hour
pCi/L - picocuries per liter

TPU - total propogated uncertainty
MDC - Minimum Detectable Concentration
U - Result is less than the sample specific MDC or less than the associated TPU
The TPU is 2 σ or two standard deviations

TABLE 9
RADIONUCLIDES OF INTEREST
GAMMA SPECTROSCOPY RESULTS
Produced Water Sampling Laboratory Analytical Results - Radionuclides
Presco, Inc. - Battlement Mesa, Garfield County, Colorado

WELL NAME/ Sample ID	Sample Source	Latitude	Longitude	TWP	RNG	SEC	QTR/QTR	P.M.	DATE SAMPLED	TIME SAMPLED	Laboratory	Gamma Emitting Radionuclides (pCi/L)	Ac-228 (pCi/L)	2 s TPU (±)	Ag-110m (pCi/L)	2 s TPU (±)	Al-26 (pCi/L)	2 s TPU (±)	Am-241 (pCi/L)	2 s TPU (±)	Be-7 (pCi/L)	2 s TPU (±)	Bi-212 (pCi/L)	2 s TPU (±)	Bi-214 (pCi/L)	2 s TPU (±)	Ce-139 (pCi/L)	2 s TPU (±)	Ce-144 (pCi/L)	2 s TPU (±)	Co-56 (pCi/L)	2 s TPU (±)	Co-57 (pCi/L)	2 s TPU (±)	Co-58 (pCi/L)	2 s TPU (±)	Co-60 (pCi/L)	2 s TPU (±)	Cr-51 (pCi/L)	2 s TPU (±)	Cs-134 (pCi/L)	2 s TPU (±)	Cs-137 (pCi/L)	2 s TPU (±)	Eu-152 (pCi/L)	2 s TPU (±)	Eu-154 (pCi/L)	2 s TPU (±)
BM 26-42	Pit Dischg	39.40455	-107.967391	7S	95W	26	SE SW	6th	12/7/2005	10:35	PAL	U	U (37)	16 ± 22	U (9.9)	1.5 ± 5.8	U (11.3)	1.4 ± 6.4	U (43)	24 ± 24	U (161)	-48 ± 88	U (142)	64 ± 86	U,J (29)	4 ± 17	U (10.3)	0.5 ± 6.0	U (57)	-9 ± 33	U (32)	5 ± 19	U (8.3)	4.8 ± 5.1	U (17.8)	-13.5 ± 9.0	U (10.7)	0.5 ± 6.0	U (330)	90 ± 190	U (18)	-2.7 ± 10	U (10)	-2.1 ± 5.6	U (52)	-5 ± 29	U (58)	-11 ± 32
	Prod Tank								5/20/2006	12:15	PAL	U	U (40)	18 ± 24	U (6.8)	-0.6 ± 3.9	U (8.4)	2.2 ± 4.9	U (9.2)	-0.8 ± 5.4	U (70)	-28 ± 40	U (102)	54 ± 63	U,J (21)	12 ± 13	U (4.9)	-0.2 ± 2.9	U (31)	0 ± 18	U (14.2)	8.1 ± 8.8	U (3.5)	-0.1 ± 2.0	U (8.3)	2.7 ± 5.0	U (8.0)	-0.9 ± 4.4	U (83)	27 ± 50	U (7.4)	-2.8 ± 4.2	U (7.0)	-1.0 ± 4.0	U (39)	9 ± 23	U (44)	-1 ± 25
	Separator								12/7/2006	11:55	PAL	U	U (34)	22 ± 21	U (5.8)	2.5 ± 3.5	U (6.3)	-1.0 ± 3.6	U (99)	-181 ± 60	U (62)	6 ± 37	U (83)	37 ± 51	U,J (21)	13 ± 13	U (11.0)	2.9 ± 6.6	U (43)	4 ± 26	U (11.8)	8.8 ± 7.4	U (6.2)	-1.0 ± 3.7	U (7.0)	0.1 ± 4.1	U (6.4)	-0.9 ± 3.7	U (78)	18 ± 47	U (8.4)	5.9 ± 5.3	U (6.4)	-4.9 ± 3.7	U (29)	15 ± 18	U (32)	-5 ± 19
BM 27-44 PW	Separator	39.40265	-107.974842	7S	95W	27	SE SE	6th	8/24/2006	11:12	PAL	U	U (21)	16 ± 13	U (8.0)	3.7 ± 4.9	U (8.7)	2.9 ± 5.1	U (87)	-13 ± 51	U (85)	15 ± 50	U (112)	-15 ± 63	U,J (28)	6 ± 17	U (7.1)	-3.2 ± 4.1	U (45)	11 ± 27	U (18.8)	-4.8 ± 10	U (5.9)	0.6 ± 3.5	U (11.4)	-9.8 ± 6.1	U (8.1)	6.2 ± 5.2	U (101)	-18 ± 59	U (11.8)	1.5 ± 7.1	U (8.9)	-5.3 ± 4.9	U (42)	-1 ± 24	U (47)	-12 ± 26
BM 34-24	Separator	39.39748	-107.972211	7S	95W	34	NW NW	6th	12/7/2006	12:40	PAL	U	U (49)	13 ± 29	U (7.5)	-0.4 ± 4.3	U (9.8)	1.3 ± 5.6	U (9.1)	4.8 ± 5.6	U (72)	41 ± 44	U (180)	30 ± 100	U,J (22)	12 ± 13	U (5.3)	-1.9 ± 3.0	U (34)	-4 ± 20	U (17.5)	-3.0 ± 9.6	U (4.1)	0.4 ± 2.4	U (10.3)	-1.7 ± 5.8	U (10.4)	-9.7 ± 5.2	U (100)	-63 ± 56	U (7.4)	0.9 ± 4.3	U (7.7)	4.4 ± 4.7	U (38)	6 ± 22	U (47)	-9 ± 26
BM 36-13 PW	Separator	39.39833	-107.943831	7S	95W	36	NW NE	6th	5/17/2006	8:58	PAL	U	U (38)	10 ± 23	U (7.2)	-3.5 ± 4.0	U (9.6)	-2.8 ± 5.2	U (42)	2 ± 25	U (62)	10 ± 37	U (95)	29 ± 57	U,J (25)	-4 ± 15	U (4.7)	-1.4 ± 2.7	U (31)	11 ± 19	U (15.4)	-1.0 ± 8.8	U (4.3)	1.2 ± 2.6	U (8.2)	0 ± 4.7	U (8.1)	2.2 ± 4.8	U (68)	15 ± 40	U (7.7)	-3.2 ± 4.3	U (7.1)	1.3 ± 4.2	U (37)	5 ± 22	U (42)	-4 ± 24
BM 36-23	Separator	39.39578	-107.94206	7S	95W	36	SW NE	6th	12/7/2006	13:10	PAL	U	U (38)	2 ± 22	U (8.3)	0 ± 4.7	U (10.6)	5.4 ± 5.4	U (82)	75 ± 52	U (92)	21 ± 54	U (115)	78 ± 72	U,J (22)	21 ± 14	U (10.8)	-4.0 ± 6.2	U (62)	-6 ± 36	U (15.7)	-8.6 ± 9.7	U (8.6)	-0.4 ± 5.0	U (10.4)	-0.9 ± 5.9	U (8.2)	1.3 ± 4.7	U (121)	-4 ± 70	U (12.8)	5.2 ± 7.9	U (8.8)	-0.9 ± 5.0	U (41)	3 ± 23	U (46)	-11 ± 25

Table Continued

WELL NAME/ Sample ID	Sample Source	Latitude	Longitude	TWP	RNG	SEC	QTR/QTR	P.M.	DATE SAMPLED	TIME SAMPLED	Laboratory	Gamma Emitting Radionuclides (pCi/L)	Eu-155 (pCi/L)	2 s TPU (±)	Fe-59 (pCi/L)	2 s TPU (±)	I-131 (pCi/L)	2 s TPU (±)	K-40 (pCi/L)	2 s TPU (±)	Mn-54 (pCi/L)	2 s TPU (±)	Na-22 (pCi/L)	2 s TPU (±)	Nb-94 (pCi/L)	2 s TPU (±)	Nb-95 (pCi/L)	2 s TPU (±)	Pa-234m (pCi/L)	2 s TPU (±)	Pb-212 (pCi/L)	2 s TPU (±)	Pb-214 (pCi/L)	2 s TPU (±)	Ru-106 (pCi/L)	2 s TPU (±)	Sb-124 (pCi/L)	2 s TPU (±)	Sb-125 (pCi/L)	2 s TPU (±)	Sc-46 (pCi/L)	2 s TPU (±)	Th-227 (pCi/L)	2 s TPU (±)	Th-234 (pCi/L)	2 s TPU (±)	Tl-208 (pCi/L)	2 s TPU (±)	U-235 (pCi/L)	2 s TPU (±)	Zn-65 (pCi/L)	2 s TPU (±)
BM 26-42	Pit Dischg	39.40455	-107.967391	7S	95W	26	SE SW	6th	12/7/2005	10:35	PAL	K-40	U (33)	2 ± 19	U (42)	19 ± 25	U (1900)	400 ± 1100	>146	152 ± 96	U (13.6)	-3.9 ± 7.6	U (11.8)	-3.7 ± 6.3	U (9.9)	-1.5 ± 5.6	U (17.5)	-0.9 ± 9.9	U (1720)	160 ± 990	U (18)	1 ± 11	U,J (27)	2 ± 16	U (108)	-26 ± 61	U (28)	-12 ± 16	U (24)	16 ± 15	U (15.4)	1.9 ± 8.8	U (69)	-5 ± 40	U (167)	-81 ± 95	U (11.3)	4.0 ± 6.8	U (55)	23 ± 34	U (28)	-8 ± 15
	Prod Tank								5/20/2006	12:15	PAL	U	U (12.9)	9.2 ± 8	U (21)	3 ± 12	U (45)	-20 ± 26	U (148)	68 ± 90	U (7.4)	-0.6 ± 4.2	U (8.7)	0.1 ± 5.0	U (7.6)	-1.5 ± 4.3	U (9.3)	-3.1 ± 5.2	U (1350)	-110 ± 770	U (16.0)	0.9 ± 9.5	U,J (22)	5 ± 13	U (68)	-13 ± 39	U (8.9)	1.9 ± 5.3	U (16.9)	-4.3 ± 9.6	U (8.2)	0.1 ± 4.7	U (45)	11 ± 27	U (107)	17 ± 65	U (8.9)	1.9 ± 5.3	U (38)	-4 ± 22	U (16.8)	0 ± 9.6
	Separator								12/7/2006	11:55	PAL	U	U (27)	4 ± 16	U (15.1)	7.4 ± 9.2	U (43)	-20 ± 25	U (121)	57 ± 74	U (6.5)	-0.7 ± 3.8	U (6.5)	-2.6 ± 3.7	U (6.0)	1.0 ± 3.6	U (6.9)	4.3 ± 4.3	U (1310)	-610 ± 760	U (13.1)	-3.9 ± 7.8	U,J (17)	8 ± 11	U (63)	-5 ± 37	U (12.3)	-2.8 ± 7.3	U (16)	-1.1 ± 9.5	U (6.7)	2.9 ± 4.1	U (51)	-6 ± 31	U (161)	36 ± 93	U (9.7)	-1.5 ± 5.7	U (65)	4 ± 31	U (14.2)	-3.1 ± 8.2
BM 27-44 PW	Separator	39.40265	-107.974842	7S	95W	27	SE SE	6th	8/24/2006	11:12	PAL	U	U (28)	-3 ± 16	U (24)	-1 ± 14	U (73)	-16 ± 42	U (190)	510 ± 140	U (9.3)	-1.3 ± 5.3	U (8.8)	4.1 ± 5.3	U (7.8)	3.0 ± 4.7	U (9.6)	0.2 ± 5.5	U (1260)	650 ± 770	U (12.2)	4.1 ± 7.4	U,J (16.3)	13 ± 10	U (77)	6 ± 45	U (9.6)	8.4 ± 6.1	U (21)	5 ± 13	U (9.8)	-0.9 ± 5.5	U (42)	-13 ± 24	U (170)	0 ± 100	U (8.2)	4.4 ± 5.0	U (42)	12 ± 25	U (20)	0 ± 11
BM 34-24	Separator	39.39748	-107.972211	7S	95W	34	NW NW	6th	12/7/2006	12:40	PAL	U	U (15.5)	5.2 ± 9.3	U (21)	9 ± 13	U (51)	-9 ± 29	U (149)	84 ± 91	U (8.8)	1.4 ± 5.2	U (8.4)	1.5 ± 4.9	U (7.5)	0 ± 4.3	U (9.1)	-0.1 ± 5.2	U (1300)	420 ± 780	U (15.1)	1.0 ± 9.0	U,J (22)	8 ± 13	U (73)	20 ± 43	U (9.3)	-2.9 ± 5.6	U (17.8)	-2.5 ± 10	U (9.2)	-1.7 ± 5.1	U (49)	2 ± 29	U (94)	1 ± 56	U (11.1)	2.5 ± 6.6	U (49)	-11 ± 29	U (18)	0.4 ± 10
BM 36-13 PW	Separator	39.39833	-107.943831	7S	95W	36	NW NE	6th	5/17/2006	8:58	PAL	U	U (16.4)	0.81 ± 9.7	U (16.1)	7.8 ± 9.8	U (33)	5 ± 19	U (138)	112 ± 87	U (6.7)	2.4 ± 4.0	U (8.2)	-1.6 ± 4.6	U (6.8)	2.3 ± 4.1	U (8.4)	-0.2 ± 4.9	U (1230)	100 ± 710	U (15.5)	-2.2 ± 9.2	U,J (11.6)	10.9 ± 7.4	U (63)	40 ± 39	U (9.2)	-0.1 ± 5.4	U (16.3)	4.2 ± 9.7	U (7.8)	0.8 ± 4.5	U (45)	-24 ± 25	U (146)	-28 ± 87	U (10.0)	1.4 ± 5.9	U (37)	14 ± 22	U (14.6)	11.4 ± 9.3
BM 36-23	Separator	39.39578	-107.94206	7S	95W	36	SW NE	6th	12/7/2006	13:10	PAL	U	U (39)	-1 ± 23	U (23)	5 ± 13	U (75)	19 ± 45	U (130)	41 ± 78	U (8.6)	5.3 ± 5.3	U (9.4)	-1.3 ± 5.2	U (8.1)	2.4 ± 4.8	U (10.8)	0.8 ± 6.3	U (1450)	300 ± 850	U (17.2)	1.8 ± 10	U,J (18)	7 ± 11	U (83)	-25 ± 46	U (12.1)	2.9 ± 7.2	U (23)	7 ± 14	U (11.0)	-3.2 ± 6.1	U (55)	-12 ± 32	U (154)	-6 ± 89	U (10.8)	-4.3 ± 6.1	U (84)	-18 ± 36	U (24)	-16 ± 13

pCi/L - picocuries per liter
TPU - total propogated uncertainty
MDC - Minimum Detectable Concentration The numbers shown in parentheses are the MDC for the individual samples.
U - Result is less than the sample specific MDC or less than the associated TPU
M - The requested MDC was not met.
TI - Tentatively Identified
J - Estimated value

Paragon Analytics has found there to be a significant low bias to Lead-214 (Pb-214) and Bismuth-214 (Bi-214) results when using a mixed nuclide gamma source for efficiency calibrations. The magnitude of this bias has been determined to be approximatley 32% for Bi-214 and 23% for Pb-214. Therefore, any reported results for these radionuclides are flagged with a "J" qualifier, indicating the activities values to bean estimated value. Results are reported without further qualification.

The analytical results for the BM 26-42 sample collected on 12/07/05 indicated that Potassium-40 (K-40) was detected at 152± 96 pCi/L above the MDC of 146 pCi/L. Potassium-40 is a naturally occurring radionuclide common in sedimentary rock.

The analytical results for BM 35-12 sample collected on March 7, 2007 indicate that Antimony-124 (Sb-124) was tentatively identified. However, Antimony-124 was also tentatively identified in the laboratory method blank, but was not detected in the BM 35-12 sample duplicate. Antimony-124 has a 60 day half-life, so this tentatively identified activity appears to be a laboratory artifact.

The requested detection limit of 10 pCi/L for Cesium-137 (Cs-137) was not met for the BM 35-12 sample and duplicate. These samples were counted for the maximum count time of 1000 minutes. The results have been flagged with an "M" qualifier on the final reports. The reported MDC was 10.1 pCi/L.