

APPENDIX C
EXAMPLE FIELD FORMS



713 Cooper Avenue
Glenwood Springs, CO 80601
(970) 384-4730

Background Radiation Survey

Revision 1

Rio Blanco Sampling and Analysis

Project Name:	Rio Blanco Sampling and Analysis	Operator:	
Project Number:		Well Pad:	
Project Location:	Rio Blanco County, Colorado	Well Number:	
RSAP Version Used:	RBSAP Revision 1	SOPs Used:	RBSAP Revision 1
Field Personnel:		Weather Conditions:	
Field Personnel:		Outdoor Temperature:	

Rad Survey Instrument	Serial Number	Calibrated	Source Check	Date	Time
RadEye B20-0ER - Pancake GM		<input type="checkbox"/> Yes <input type="checkbox"/> No			
		<input type="checkbox"/> Yes <input type="checkbox"/> No			
		<input type="checkbox"/> Yes <input type="checkbox"/> No			

Site No. 1	UTM Coordinates (ft)	N	E	UTM Coordinates (ft)	N	E	Site No. 6
	Elevation (ft msl):		Zone	Elevation (ft msl):		Zone	
	Radiation Measurement	Waist Level	Ground Level	Radiation Measurement	Waist Level	Ground Level	
	Pancake GM ($\mu\text{R}/\text{Hr}$):			Pancake GM ($\mu\text{R}/\text{Hr}$):			
	Pancake GM (kcps):			Pancake GM (kcps):			
	Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):			Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):			
	Nal(Tl) Gamma (kcps):			Nal(Tl) Gamma (kcps):			
	Ion Chamber ($\mu\text{R}/\text{Hr}$):			Ion Chamber ($\mu\text{R}/\text{Hr}$):			
Site No. 2	UTM Coordinates (ft)	N	E	UTM Coordinates (ft)	N	E	Site No. 7
	Elevation (ft msl):		Zone	Elevation (ft msl):		Zone	
	Radiation Measurement	Waist Level	Ground Level	Radiation Measurement	Waist Level	Ground Level	
	Pancake GM ($\mu\text{R}/\text{Hr}$):			Pancake GM ($\mu\text{R}/\text{Hr}$):			
	Pancake GM (kcps):			Pancake GM (kcps):			
	Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):			Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):			
	Nal(Tl) Gamma (kcps):			Nal(Tl) Gamma (kcps):			
	Ion Chamber ($\mu\text{R}/\text{Hr}$):			Ion Chamber ($\mu\text{R}/\text{Hr}$):			
Site No. 3	UTM Coordinates (ft)	N	E	UTM Coordinates (ft)	N	E	Site No. 8
	Elevation (ft msl):		Zone	Elevation (ft msl):		Zone	
	Radiation Measurement	Waist Level	Ground Level	Radiation Measurement	Waist Level	Ground Level	
	Pancake GM ($\mu\text{R}/\text{Hr}$):			Pancake GM ($\mu\text{R}/\text{Hr}$):			
	Pancake GM (kcps):			Pancake GM (kcps):			
	Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):			Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):			
	Nal(Tl) Gamma (kcps):			Nal(Tl) Gamma (kcps):			
	Ion Chamber ($\mu\text{R}/\text{Hr}$):			Ion Chamber ($\mu\text{R}/\text{Hr}$):			
Site No. 4	UTM Coordinates (ft)	N	E	UTM Coordinates (ft)	N	E	Site No. 9
	Elevation (ft msl):		Zone	Elevation (ft msl):		Zone	
	Radiation Measurement	Waist Level	Ground Level	Radiation Measurement	Waist Level	Ground Level	
	Pancake GM ($\mu\text{R}/\text{Hr}$):			Pancake GM ($\mu\text{R}/\text{Hr}$):			
	Pancake GM (kcps):			Pancake GM (kcps):			
	Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):			Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):			
	Nal(Tl) Gamma (kcps):			Nal(Tl) Gamma (kcps):			
	Ion Chamber ($\mu\text{R}/\text{Hr}$):			Ion Chamber ($\mu\text{R}/\text{Hr}$):			
Site No. 5	UTM Coordinates (ft)	N	E	Comments:			
	Elevation (ft msl):		Zone				
	Radiation Measurement	Waist Level	Ground Level				
	Pancake GM ($\mu\text{R}/\text{Hr}$):						
	Pancake GM (kcps):			Photo Log:			
	Nal(Tl) Gamma ($\mu\text{R}/\text{Hr}$):						
	Nal(Tl) Gamma (kcps):						
	Ion Chamber ($\mu\text{R}/\text{Hr}$):						



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Field Data Sheet

Revision 1

Rio Blanco Sampling and Analysis

Project Name:	Rio Blanco Sampling and Analysis	Site Operator:	
Project Number:		Well Pad:	
Project Location:	Rio Blanco County, Colorado	Well Number:	
RSAP Version Used:	RBSAP Version 1	SOPs Used:	RBSAP Version 1
Field Personnel:		SOPs Modified:	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Describe
Field Personnel:		Weather Conditions:	
Field Personnel:		Outdoor Temperature:	

Sampling Activity Description:			
Sample ID:		Sample Date:	Sample Time:
Sample ID:		Sample Date:	Sample Time:
Sample Medium:	<input type="checkbox"/> Produced Water <input type="checkbox"/> Natural Gas <input type="checkbox"/> Drilling Mud <input type="checkbox"/> Fracing Water <input type="checkbox"/> Flowback Water <input type="checkbox"/> Surface Water <input type="checkbox"/> Groundwater <input type="checkbox"/> Spring Water <input type="checkbox"/> Surface Soils <input type="checkbox"/> Drill Cuttings		
Sample Type:	<input type="checkbox"/> Primary <input type="checkbox"/> Duplicate <input type="checkbox"/> Grab <input type="checkbox"/> Composite If Composite, No. of Sample Aliquots per Composite: _____		

Water Quality or Natural Gas Field Parameter Measurements

Temperature (°C):		pH (std units):	
Conductivity:	mS/cm	µS/cm	Salinity (ppt):
Turbidity (NTU):		Dissolved Oxygen:	% Sat mg/L
ORP (mv):		Gas Pressure (psi):	Vessel Hose
Measurement Time (Start/Finish):		Other:	

Sample Collection Information

Description of Sample Appearance:
(e.g., odor, color, clarity, phases)

Total Number of Containers	Field Filtered	Analyses Required
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Radionuclide Analytes <input type="checkbox"/> Non-Radionuclide Analytes

QA/QC Sample(s): ☐ Yes ☐ No Sample Number(s):

QA/QC Sample Type: ☐ MS/MSD ☐ Trip Blank

Background Radiation Screening:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Gamma Scintillator Result (µR/Hr):	Pancake GM Result (µR/Hr):
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Sample Radiation Screening:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Gamma Scintillator Result (µR/Hr):	Pancake GM Result (µR/Hr):
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Decontamination Procedure(s):	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Used Dedicated, Pre-Cleaned Equipment <input type="checkbox"/> Followed Decontamination Procedure in RSAP Revision 2
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Comments (e.g., basis for decisions, sampling comments, issues, observations, etc.):

Photo Log
