

TEP COGCC Rule 317B Surface Water Monitoring Field Form

Project Information			
Surface Water Supply Area:	Battlement mesa/Paradise	Site API(s):	05-045-20059
Site Name (Well Pad(s)):	GV 80-4	Sample Date:	9-6-17
Station Name:	BM 2	Start Time:	1320
COGCC Facility ID:	707356	End Time:	1340
Field Sample ID:	B2 - BM 2	Sample Time:	1330
Landowner Name:	Battlement mesa Land Inc	Sample Team:	SLG, NMS
Landowner Address:	735 S. Spruill Dr. Parachute	Observer:	SLG
Time of DCPS Operations:	July/August 2017	Lead Signature/Date:	[Signature] 9-6-17

Station Information			
Station Description: Wading near bank			
Approximate Distance to Well Pad: 39100 ft			
Station Type: Stream / Spring / Seep / Pond / Lake / NPDES Outfall / Other: River			
Sampling Location: Bank / Pipe / Wading / Boat / Bridge / Hose bib / Tank / Other:			
Sampling Location Description: Pool / Riffle / Eddy / Backwater / Open / Channel / Braided / Other:			
Sampling Location Width: 0		Sampling Location Depth: 0	
GPS Location:	Zone	x -108.020862	y 39.410484 z 5092'

Weather Conditions			
Sky: Hazy	Clear / Scattered / Cloudy / Overcast	Estimated Air Temp (deg F): 80	
Precipitation: None	None / Light / Moderate / Heavy	Precip Type: None / Rain / Sleet / Hail / Snow	
Wind: Calm	Calm / Light / Mod / Strong	Wind Speed/Direction: 0	

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	17.18	1335		SSL	INSITU	
pH	s.u.	8.12	↓		↓	↓	
Sp. Conductivity	uS/cm	824					
Conductivity	uS/cm	701					
DO Saturation	%	75.1					
DO	mg/L	7.21					
Baro Press	mmHg	6208.5					
ORP	RmV	167.3					
Turbidity	NTU	5.79	AV	micro		6.68, 5.66, 5.10	
Discharge		NM					
H2S	mg/L	NM					
Color: Clear / White / Yellow / Brown / Green / Blue / Other: Light / Med / Dark							
Odor: None / Mild / Mod / Strong							
Effervescence: None / Mild / Mod / Strong				Bubbles: None / Low / Mod / High			
Sediment: None / Light / Mod / Heavy				VOA Headspace: None / ≤ Pea Size / ≥ Pea Size			
Lab Analysis: Rule 317B / Rule 609 / COA 9 / COA 22 / Other: [Signature]							
Field Filtered: Yes / No		Filter Size: NA		No. Filters used: NA			

Flag Codes: NM (not measured), E (estimated), N/A (not applicable), I (insufficient sample), Q (uncertain value), Y (calculated value), AV (averaged value), EC (exceeds calibration range), OT (other flag to be defined later), NS (not stabilized), VAR (variable)

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Landowner Comments on water quality:

None

317B workover for well PA 443-5

Additional information:

USGS gage station

Cameo (09095500): 2400 cfs @ 1330-1345

Below Greenwood Springs (09085100): 2590 cfs @ 1315-1400

No TEP representatives present for sampling

Calibration info on Bell, 9-16-17

Calibration Information			Date:			Location:		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
	pH	s.u.						
	pH	s.u.						
	pH	s.u.						
	SpC	uS/cm						
	SpC	uS/cm						
	DO	%						
	DO	%						
	ORP	RmV						
	Turbidity	NTU						