

# TEP COGCC Rule 411 Surface Water Monitoring Field Form

Project Information			
Surface Water Supply Area:	Parachute SWSA	Site API(s):	05-045-22475
Site Name (Well Pad(s)):	Tompkins Pad	Sample Date:	05-045-22823; 05-045-22475 3/8/2022
Station Name:	Revell Spr	Start Time:	10:30
COGCC Facility ID:	753790	End Time:	11:20
Field Sample ID:	Revell Spr	Sample Time:	10:35
Landowner Name:	The City of Parachute	Sample Team:	BDS & CWS
Landowner Address:	Parachute, CO 81635	Sampler:	BDS
Time of DCPS Operations:	NOV/DEC 2021 12/22/2021	Lead Signature/Date:	3/9/22

Station Information	
Station Description:	Revell Springs Raw Water Tank pipe in tank house
Approximate Distance to Well Pad:	~1000 ft NW of Tompkins Pad
Station Type: Stream / Spring / Seep / Pond / Lake / NPDES Outfall / Other:	Water treatment plant
Sampling Location: Bank / Pipe / Wading / Boat / Bridge / Hose bib / Tank / Other:	
Sampling Location Description:	Pool / Riffle / Eddy / Backwater / Open / Channel / Braided / Other: pipe 5 gallon
Sampling Location Width:	NA
Sampling Location Depth:	NA
GPS Location: Zone	x -107.016502 y 39.483667 z 5341

Weather Conditions	
Sky:	Clear / Scattered / Cloudy / Overcast
Precipitation:	None / Light / Moderate / Heavy
Wind:	Calm / Light / Mod / Strong
Estimated Air Temp (deg F):	~30°F
Precip Type:	None / Rain / Sleet / Hail / Snow
Wind Speed/Direction:	7 S from N <sub>W</sub> S

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	12.7	10:35		YSI pro	Container	
pH	s.u.	7.22					
Sp. Conductivity	uS/cm	535.9					
Conductivity	uS/cm	405.1					
DO Saturation	%	61.0					
DO	mg/L	6.52					
Baro Press	mmHg	627.9					
ORP	RmV	310.5					
Turbidity	NTU	<del>4.22</del> 0.68		AV	Micra		0.9, 0.53, 0.56, 0.72 <del>5.33, 3.85, 4.98</del>
Discharge							
H2S	mg/L						
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 411						
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), P (probe malfunction), NS (not stabilized), VAR (variable), OT (other flag to be defined later)

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Landowner Comments on water quality:

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Additional information:

Second Calibration new readings:

Micro TPE 0.63, 0.28, 0.29

Micro TPW 0.01, 0.04, 0.00

Duplicate Field Parameters:

Temp 12.7

10:35

DO <sup>mg</sup> L 6.52

10:35

pH 7.22

Baro pres 627.9

SpC 535.9

ORP 310.5

C 405.1

Turb 0.68

DO % 61

Calibration Information			Date: 3/8/22		Location: Office			
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
	pH	s.u.						
	pH	s.u.		See	Tompkins	MW-1		
	pH	s.u.						
	SpC	uS/cm						
	SpC	uS/cm						
	DO	%						
	DO	%						
	ORP	RmV						
	Turbidity	NTU						