

## TEP BWQ Surface Water Monitoring Field Form

Project Information			
Project:	TEP GM 245-1 BWQ	Sample Purpose:	Annual COA
Site Name (Well Pad):	GM 245-1	Site API:	05-045-18426
Station Name:	Hayes Gulch DWN	Sample Date:	4-7-20
COGCC Facility ID:	755511	Start Time:	1246
Field Sample ID:	Hayes Gulch DWN	End Time:	1300
Landowner Name:	TEP Rocky Mtn LLC	Sample Time:	1250
Landowner Address:	PO Box 330, Gainesville, TX	Sample Team:	SLG, NWS
Water Right/Well Owner:	NA	Sampler:	NWS
Water Right/Well Permit:	NA	Lead Signature/Date:	S. Good 4/9/20

Station Information			
Station Description: Slightly upstream of culvert; west side of road			
Approximate Distance to Well Pad: 1595 ft			
Station Type: <u>Stream</u> / Spring / Seep / Pond / Lake / NPDES Outfall / Other:			
Sampling Location: <u>Bank</u> / Pipe / Wading / Boat / Bridge / Hose bib / Tank / Other:			
Sampling Location Description: Pool / Riffle / Eddy / Backwater / Open <u>Channel</u> / Braided / Other:			
Sampling Location Width: 2'		Sampling Location Depth: 2"	
GPS Location:	Zone	x-108.05181	y 39.46574 z 5219

Weather Conditions			
Sky: <u>Clear</u> / Scattered / Cloudy / Overcast	Estimated Air Temp (deg F): 65'		
Precipitation: <u>None</u> / Light / Moderate / Heavy	Precip Type: <u>None</u> / Rain / Sleet / Hail / Snow		
Wind: <u>Calm</u> / 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	18.71	1253		YSI 556	IN-SITU	
pH	s.u.	8.29	↓		↓	↓	
Sp. Conductivity	uS/cm	1227					
Conductivity	uS/cm	1080					
DO Saturation	%	58.2					
DO	mg/L	5.39					
Baro Press	mmHg	631.1					
ORP	RmV	-6.9					
Turbidity	NTU	7.02	#	AV	micro		6.77, 7.31, 6.99
Discharge		NM					
Color: <u>Clear</u> / White / Yellow / Brown / Green / Blue / Other <u>Light</u> / Med / Dark							
Odor: <u>None</u> / Mild / Mod / Strong							
Effervescence: <u>None</u> / Mild / Mod / Strong				Bubbles: <u>None</u> / Low / Mod / High			
Sediment: <u>None</u> / Light / Mod / Heavy				VOA Headspace: <u>None</u> / ≤ Pea Size / ≥ Pea Size			
Lab Analysis: Rule 609 / COA 9 / COA 22 / <u>Other</u>							
Field Filtered: Yes / <u>No</u>		Filter Size: <u>N/A</u>		No. Filters used: <u>N/A</u>			

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:

*None*

Additional information:

*No TEP representatives present for sampling.*

*Calibration info on Smith Gulch DWN*

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						