

TEP BWQ Groundwater Monitoring Field Form

Project Information			
Project:	TEP Rule 609 BWQ	Sample Purpose:	PRE DRILL BASELINE
Site Name (Well Pad):	PA 22-25	Site API:	05-045-23640
Station Name:	NAUGLE 67992-F	Sample Date:	8-31-17
COGCC Facility ID:	755924	Start Time:	1240
Field Sample ID:	NAUGLE 67992-F	End Time:	1345
Landowner Name:	Harry L Naugle	Sample Time:	1325
Landowner Address:	PO Box 829, Rifle, CO 81650	Sample Team:	UWS JWP
Water Right/Well Owner:	Harry L Naugle	Observer:	JMP
Water Right/Well Permit:	67992-F / Naugle Well #2	Lead Signature/Date:	<i>[Signature]</i> 9-12-17
Receipt Number:	9503206		

Station Information			
Station Description: Hydrant on south-east corner of house			
Approximate Distance to Well Pad (from well location): 2,743 ft			
Station Type: <u>Well</u> / Spring / Seep / Other:		Water Use: Domestic / <u>Irrigation</u> /	
Sampling Location: Kitchen Tap / Pipe / Well House / Hose bib / <u>Hydrant</u> / Other:			
GPS Well Location: Zone	x -107.94144	y 39.49977	z 5225
GPS Sampling Location: Zone	x -107.94181	y 39.50027	z 5249
Total Depth (ft):	130	Static Depth to Water (ft):	108.68
Total Volume x 3 (gal):	78.93	Total Volume Purged (gal):	192.9
Well diameter (in): 7" from -1 to 40'; 5.5" from 35' to 130'			

Weather Conditions	
Sky: Clear / <u>Scattered</u> / Cloudy / Overcast	Estimated Air Temp (deg F): ~ 82
Precipitation: <u>None</u> / Light / Moderate / Heavy	Precip Type: <u>None</u> / Rain / Sleet / Hail / Snow
Wind: Calm / Light / <u>Mod</u> / Strong	Wind Speed/Direction: <u>NW</u>

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	133.18.67 13.38	1338		YSI 556	Container	
pH	s.u.	6.95					
Sp. Conductivity	uS/cm	6809					
Conductivity	uS/cm	5970					
DO Saturation	%	54.0					
DO	mg/L	4.96					
Baro Press	mmHg	634.7					
ORP	RmV	176.2					
Turbidity	NTU	2.19		AV	Micro TPI		2.02, 3.89, 0.67
Discharge	GPM	6.4		AV			
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: <u>Rule 609</u> / COA 9 / COA 22 / Other							
Field Filtered: Yes / <u>No</u> Filter Size: <u>N/A</u> No. Filters used: <u>0</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), OT (other flag to be defined later), NS (not stabilized), VAR (variable)

TEP BWQ Groundwater Monitoring Field Form

Landowner Comments on water quality:

None

Additional information:

1243 Wb 108.68 below top of well cap
1342 WL 107.50 ↑ BTOWC

Cal info on Teter well

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						

