

WPX BWQ Groundwater Monitoring Field Form

Project Information			
Project:	WPX BWQ	Sample Purpose:	Fit Permitting Rule 708 + RMV 108-4 Sub-1
Site Name (Well Pad):	Spruce Creek Pit 14-4-79	Site API:	N/A to pit; RMV 108-4 05-045-07194
Station Name:	Stokes 49368-F	Sample Date:	9-2-14
COGCC Facility ID:	752715	Start Time:	0910
Field Sample ID:	RMV 108-4-49308F	End Time:	1100
Landowner Name:	Richard + Susan Stokes	Sample Time:	1030
Landowner Address:	939 CR 329, Rifle, 81650	Sample Team:	SLK, NWS
Water Right (Well Owner):	Raymond + Susan Stokes	Observer:	SLK
Water Right/Well Permit:	49368-F	Lead Signature/Date:	9-3-14
Receipt Number:	0422868		

Station Information			
Station Description: Hydrant west of driveway to Stokes residence			
Approximate Distance to Well Pad: 1,780 ft			
Station Type: <u>Well</u> / Spring / Seep / Other:		Water Use: <u>Domestic</u> / Irrigation /	
Sampling Location: Kitchen Tap / Pipe / Well House / Hose bib / Other: <u>hydrant</u>			
GPS Location:	Zone	x 107.89120	y 39.47104 z 5843
Total Depth (ft):	170	Static Depth to Water (ft):	147.40
Purge Volume (gal)	78.6	Total Volume Purged (gal)	83.9
		Well diameter (in):	5.5 18-100 5 100-170

Weather Conditions	
Sky: <u>Clear</u> / Scattered / Cloudy / Overcast	Estimated Air Temp (deg F): 75
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: <u>NM</u>

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	13.104	1041		YSI 550	CONTAINER	
pH	s.u.	7.31					
Sp. Conductivity	uS/cm	717					
Conductivity	uS/cm	561					
DO Saturation	%	71.4					
DO	mg/L	7.39					
Baro Press	mmHg	1017.5					
ORP	RmV	322.6					
Turbidity	NTU	0.56		AV	MICROTPI		0.56, 0.61, 0.53
Discharge		NM		VAR			
H2S	mg/L	N/A					
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: None / <u>Light</u> / Mod / Heavy				VOA Headspace: <u>None</u> / ≤ Pea Size / ≥ Pea Size			
Lab Analysis: <u>Rule 609</u> / COA 9 / COA 22 / Other							
Field Filtered: <u>Yes</u> / No		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), OT (other flag to be defined later), NS (not stabilized), VAR (variable)

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Landowner Comments on water quality:

No treatment system or storage tanks upstream of hydrant sampling location. There is a ~~small~~ holding tank (~~100-150 gal~~) downstream. treatment system at the house (downstream).

Additional information:

0900 - WL BTOC 147.40 dropping

Well location: 39.47096, -107.89119 elev: 5856

No landowner present for sampling.

Calibration Information			Date: 9-2-14			Location: WWL Office		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
YSI 556	SPC	str. uS/cm	643	1413	21.95	1422	1413	
	pH	s.u.	647	7.00	22.40	7.02	7.00	
	pH	s.u.	650	10.01	22.38	9.99	10.01	
	SpC	uS/cm	653	4.01	22.45	3.98	4.01	
	SpC	uS/cm						
	DO	%	704	641.5 mg/L	21.94	89.9	84.4	
	DO	%						
	ORP	RmV						
MicroTPI	Turbidity	NTU						

