

WPX BWQ Groundwater Monitoring Field Form

Project Information			
Project:	WPX BWQ	Sample Purpose:	Rule 609 Sub 1
Site Name (Well Pad):	Gm 323-78	Site API:	
Station Name:	Union 26008-F	Sample Date:	10-28-15
COGCC Facility ID:	753285	Start Time:	0940
Field Sample ID:	Union No. 6 - 26008-F	End Time:	1200
Landowner Name:	WPX Energy, Rocky Mtn LLC	Sample Time:	1130
Landowner Address:	40 Marc advisors, 10 Box 330, Graineville, TX	Sample Team:	SUK, NWS
Water Right/Well Owner:	WPX Energy Rocky Mtn LLC	Observer:	NWS
Water Right/Well Permit:	26008-F/Union 76 Water Well	Lead Signature/Date:	E. Kapp 10-29-15
Receipt Number:	0221184		

Station Information			
Station Description: hose bib off irrigation tank at mancamp/jard			
Approximate Distance to Well Pad (from well location): 2530 ft			
Station Type: <input checked="" type="radio"/> Well / <input type="radio"/> Spring / <input type="radio"/> Seep / <input type="radio"/> Other:		Water Use: Domestic / Irrigation / <input checked="" type="radio"/> Other	
Sampling Location: Kitchen Tap / Pipe / Well House / Hose bib / Hydrant / Other:			
GPS Well Location: Zone	x NM	y NM	z NM
GPS Sampling Location: Zone	x -108.11384	y 39.48467	z 8424
Total Depth (ft):	83	Static Depth to Water (ft):	10.42
Total Volume x 3 (gal):	NA	Total Volume Purged (gal):	88.9
		Well diameter (in): 8" 0-58', 78-83'	

Weather Conditions	
Sky: Clear / <input checked="" type="radio"/> Scattered / <input type="radio"/> Cloudy / <input type="radio"/> Overcast	Estimated Air Temp (deg F): 50
Precipitation: <input checked="" type="radio"/> None / <input type="radio"/> Light / <input type="radio"/> Moderate / <input type="radio"/> Heavy	Precip Type: <input checked="" type="radio"/> None / <input type="radio"/> Rain / <input type="radio"/> Sleet / <input type="radio"/> Hail / <input type="radio"/> Snow
Wind: Calm / <input checked="" type="radio"/> Light / <input type="radio"/> Mod / <input type="radio"/> Strong	Wind Speed/Direction: 0

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	12.75	1155		YSI 556	container	
pH	s.u.	7.23					
Sp. Conductivity	uS/cm	2455					
Conductivity	uS/cm	1877					
DO Saturation	%	35.4					
DO	mg/L	3.72					
Baro Press	mmHg	624.8					
ORP	RmV	-51.4					
Turbidity	NTU	6.33		AV	micro		6.26, 6.35, 6.44
Discharge	gpm	0.9		VAR			
Color:		Clear / <input checked="" type="radio"/> White / <input type="radio"/> Yellow / <input type="radio"/> Brown / <input type="radio"/> Green / <input type="radio"/> Blue / <input type="radio"/> Other			<input checked="" type="radio"/> Light / <input type="radio"/> Med / <input type="radio"/> Dark		
Odor:		<input checked="" type="radio"/> None / <input type="radio"/> Mild / <input type="radio"/> Mod / <input type="radio"/> Strong					
Effervescence:		<input checked="" type="radio"/> None / <input type="radio"/> Mild / <input type="radio"/> Mod / <input type="radio"/> Strong			Bubbles: <input checked="" type="radio"/> None / <input type="radio"/> Low / <input type="radio"/> Mod / <input type="radio"/> High		
Sediment:		<input checked="" type="radio"/> None / <input type="radio"/> Light / <input type="radio"/> Mod / <input type="radio"/> Heavy			VOA Headspace: <input checked="" type="radio"/> None / <input type="radio"/> ≤ Pea Size / <input type="radio"/> ≥ Pea Size		
Lab Analysis:		<input checked="" type="radio"/> Rule 609 / <input type="radio"/> COA 9 / <input type="radio"/> COA 22 / <input type="radio"/> Other					
Field Filtered:		<input checked="" type="radio"/> Yes / <input type="radio"/> No		Filter Size: N/A		No. Filters used: 0	

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 way to obtain well water before the tank. There is no treatment system.

Additional information:

Post purge WL: 11.15 ft.

Water is gravity fed from large tank - discharge variable and at its maximum. Turned the sprinkler system on during purge + flipped the trip switch so fresh well water was entering the tank (and mixing with stagnant tank water) during purge/parameter stabilization.

Unable to stabilize field ORP, field turbidity destabilized on last purge reading.

WPX representative, Gary Reed, Present for sampling

Calibration Information			Date: 10-28-15			Location: office		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
	pH	s.u.	0700	7.0	21.47	7.01	7.00	
	pH	s.u.	0702	4.01	21.45	4.00	4.01	
	pH	s.u.	0704	10.01	21.46	9.90	10.00	
	SpC	uS/cm	0650	8974	21.50	8710	8974	
	SpC	uS/cm						
	DO	%	0709	143.3 mmHg	21.03	84.2	84.7	
	DO	%						
	ORP	RmV						
	Turbidity	NTU						

