

WPX BWQ Groundwater Monitoring Field Form

Project Information			
Project:	NOTE 14-44 BWQ	Sample Purpose:	Rule 609 First subsequent
Site Name (Well Pad):	NOTE 14-44	Site API:	05-045-21686
Station Name:	Palmer 276703	Sample Date:	3-29-16
COGCC Facility ID:	752987	Start Time:	0820
Field Sample ID:	Palmer 276703	End Time:	1145
Landowner Name:	Michael Palmer	Sample Time:	1115
Landowner Address:	4735 CR 300, Parachute	Sample Team:	SLG, NWS
Water Right/Well Owner:	Michael Palmer	Observer:	NWS
Water Right/Well Permit:	276703	Lead Signature/Date:	J. Good 3/30/16
Receipt Number:	9502967		

Station Information			
Station Description: hydrant next to shed on property, ~100 ft from house			
Approximate Distance to Well Pad (from well location):			
Station Type: Well / Spring / Seep / Other:		Water Use: Domestic / Irrigation /	
Sampling Location: Kitchen Tap / Pipe / Well House / Hose bib / Hydrant / Other:			
GPS Well Location:	Zone	x -108.0681	y 39.4245 z
GPS Sampling Location:	Zone	x -108.0681	y 39.4244 z nm
Total Depth (ft):	53	Static Depth to Water (ft):	9.17 Well diameter (in): 7" 1-35
Total Volume x 3 (gal)	221.4	Total Volume Purged (gal)	222.6 5.5" 35-53

Weather Conditions	
Sky: Clear / Scattered / Cloudy / Overcast	Estimated Air Temp (deg F): 45°
Precipitation: None / Light / Moderate / Heavy	Precip Type: None / Rain / Sleet / Hail / Snow
Wind: Calm / Light / Mod / Strong	Wind Speed/Direction: Q

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	4.24 10.85	1130		ysi 556	container	
pH	s.u.	7.03 7.00					
Sp. Conductivity	uS/cm	5803					
Conductivity	uS/cm	4240					
DO Saturation	%	6.8 ↓					
DO	mg/L	0.70 ↓					
Baro Press	mmHg	620.1					
ORP	RmV	-92.9					
Turbidity	NTU	1.96		AV	TP1		1.84, 2.03, 2.02
Discharge	gpm	1.5		VAR			
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 609 / COA 9 / COA 22 / Other							
Field Filtered: Yes / 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:

Mr. Palmer used a liquid acid descaler (contains hydroxyacetic & HCl acid) about 4 months ago to eliminate the iron & manganese build-up.

Additional information:

0906: WL BT06 14.64
1130: " " 13.02

Unable to stabilize temperature; field water temp was variable during the entire purge.

Mr. Mike Palmer present for sampling.

Calibration Information			Date: 3-29-16			Location: Offsite		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
	pH	s.u.	0654	7.0	20.03	7.09	7.00	
	pH	s.u.	0655	10.01	20.40	9.96	10.01	
	pH	s.u.	0659	4.01	20.41	3.90	3.99	
	SpC	uS/cm	0652	8974	20.51	8942	8974	
	SpC	uS/cm						
	DO	%	0700	88.1 (mmHg)	19.82	54.2	88.2	
	DO	%						
	ORP	RmV						
	Turbidity	NTU						

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