

# TEP BWQ Groundwater Monitoring Field Form

Project Information			
Project:	Nolte 14-44 BWQ	Sample Purpose:	Rule 615 2nd Sub
Site Name (Well Pad):	Nolte 14-44	Site API:	05-045-21686
Station Name:	Palmer 276703	Sample Date:	3/31/21
COGCC Facility ID:	752987	Start Time:	1310
Field Sample ID:	Palmer 276703	End Time:	1545
Landowner Name:	Michael Palmer	Sample Time:	1515 (1530 Dup)
Landowner Address:	4735 CR 300 Parachute	Sample Team:	TDS, MAD
Water Right/Well Owner:	Michael Palmer	Observer:	MAD
Water Right/Well Permit:	276703	Lead Signature/Date:	4/1/21
Receipt Number:	9502967		

Station Information			
Station Description:	hydrant next to shed on property, ~100ft from house		
Approximate Distance to Well Pad (from well location):	2540 ft + south		
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
Total Depth (ft):	53	Static Depth to Water (ft):	9.82
Total Volume x 3 (gal):	217.65	Total Volume Purged (gal):	227
		Well diameter (in):	7" 1-35' 55" 35-53'

Weather Conditions	
Sky:	Clear / Scattered / Cloudy / Overcast
Precipitation:	None / Light / Moderate / Heavy
Wind:	Calm / Light / Mod / Strong
Estimated Air Temp (deg F):	55
Precip Type:	None / Rain / Sleet / Hail / Snow
Wind Speed/Direction:	Q

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	11.7	1436		YSI Pro2	Container	
pH	s.u.	7.06					
Sp. Conductivity	uS/cm	4928					
Conductivity	uS/cm	3694					
DO Saturation	%	6.4					
DO	mg/L	0.63					
Baro Press	mmHg	640.4					
ORP	RmV	-70.4					
Turbidity	NTU	7.69			Micro		
Discharge							
Color:	Clear / White / Yellow / Brown / Green / Blue / Other						
Odor:	None / Mild / Mod / Strong						
Effervescence:	None / Mild / Mod / Strong						
Sediment:	None / Light / Mod / Heavy						
	Bubbles: None / Low / Mod / High						
	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: N/A						

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:

Duplicate sample collected: "276703"

1515: Palmer 276703 sample time; wrote 1315 as sample time on COC and sample bottles

1530: 276703 (Duplicate) sample time; wrote 1530 as sample time on COC and sample bottles

Additional information:

No water quality concerns. The well has had a history of not producing well. Michael hired Aquaftech to chemically treat the casing with a liquid acid de scaler about 5 years ago. Then, 2 years ago he had someone come and surge the well to unlog blocked pores and it helped significantly (was producing 7 gpm to 15 gpm).

Calibration Information			Date: 3/31/21			Location: Office		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
YSI Pro2	pH	s.u.	0852	7.00	21.1	7.03		
	pH	s.u.	0857	4.01	21.4	4.00		
	pH	s.u.	0859	10.01	21.6	10.00	10.00	
	SpC	uS/cm	0848	2554	21.1	2791	2554	
	SpC	uS/cm						
	DO	%	0907	648.6	20.7	85.8	85.4	
	DO	%						
	ORP	RmV	0910	235.9	21.2	235.6	235.9	
	Turbidity	NTU						



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