

**Terracon****Weld County Residential Water Well Study**

Project Name: COGCC - Environmental Support  
Project Number: 25087038

Permit No: Not applicable  
Owner: Norm Anderson

**Well Owner Survey**

Is there a holding tank for the well? Yes \_\_\_\_\_ No X  
Do you have a water softener/treatment system? Yes X No \_\_\_\_\_  
Do you have an in-line filter? Yes \_\_\_\_\_ No X  
Sampling point upstream of pressure tank and treatment system? Yes X No \_\_\_\_\_

Address: NE Corner of Weld County Roads  
42 & 45, La Salle, Colorado  
Location: T 4 N, R 65 W, S 23  
Date: 8/11/2009  
Weather: Sunny, 80 degrees F

Location of well: Approximately 100 feet west-southwest of the residence

Type of pump (jet, submersible, suction): Submersible  
Casing material and diameter: PVC  
Depth to Static Water Table (fluctuations): 10 feet below surface grade  
Description of area around well: Relatively flat, dirt/gravel/patches of grass, residential/agricultural land  
Location and description of sample point: Approximately 30 feet west-northwest of the well; similar landscape as well  
Pump start time: 12:05 PM

Time	Volume Purged (gal.)	PH (SI Units)	Spec. Cond (ms/cm)	DO (mg/L)	Turbidity (NTU)	Temperature (°C)	Clarity	Other *
12:05 PM					moderate		moderate	none
12:22 PM	15	8.99	1.636	0.92	moderate	20.86	moderate	none
12:26 PM	19	9.00	1.648	0.89	slight	20.89	clear	none
12:30 PM	23	9.00	1.648	0.89	slight	20.81	clear	none

\* odors (if any); effervescence (if any); produced sediment (if any); evidence of bacterial fouling (bioslimes or biofilms).

Field Sample ID : Anderson Collection Time: 12:35-12:55 Number of Containers: 12

Analyte	# of Containers	Container Size	Type	Analytical Method	Preservative
Dissolved Methane	3	40 ml	vial	RSK175	4°C
BTEX	2	40 ml	vial	8021	HCl 4°C
Dissolved Metals Mn, Na, Ca, Mg, K, Fe, Se)	1	500 ml	HDPE	200.7	4° C
Br, Cl, F, SO <sub>4</sub>	1	250 ml	HDPE	300	4° C
CO <sub>3</sub> , HCO <sub>3</sub>	1	500 ml	HDPE	2320B	4° C
NO <sub>3</sub> , NO <sub>2</sub>	1	250 ml	HDPE	353.2	H <sub>2</sub> SO <sub>4</sub> , 4° C
pH	1	125 ml	HDPE	150.1	4° C
Spec. Cond., TDS	2	250 ml	HDPE	2540C	4° C
Duplicate Sample Collected?	Yes:		No:	X	

Sampler: Chris Roy

Duplicate ID: Not applicable

**GPS Coordinates**

Latitude: N 40° 17' 28.9" Longitude: W 104° 38' 20.5"

40.291361

104.639028

Comments: Typical daily water use is approximately 30-50 gallons a day (domestic, no irrigating). The well is 300 feet deep, with the bottom 60 feet consisting of screen.