

**Residential Water Well Field Data Form**

Project Name: COGCC - Environmental Support
Project Number: 25087038 Task 26

Permit No: 0040837
Owner: Norm Anderson

Well Owner Survey

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

Address: 19575 Weld County Road 45
La Salle, Colorado
Location: SE 1/4, NE 1/4, Section 27, T4N, R65W
Date: 10/26/2009
Weather: Sunny, 50 degrees F

Location of well: Approximately 75 feet south of residence
Type of pump (jet, submersible, suction): Jet
Casing material and diameter: 5-inch PVC
Depth to Static Water Table (fluctuations): Approximately 15 - 20 feet
Description of area around well: Dirt driveway/grass agricultural residential proeprty
Location and description of sample point: Dirt driveway/grass agricultural residential proeprty
Pump start time: 11:15 AM

Time	Volume Purged (gal.)	PH (SI Units)	Spec Cond (ms/cm)	DO (mg/L)	Turbidity (NTU)	Temperature (°C)	Clarity	Other *
11:15 AM	0				None		V. clear	None
11:20 AM	5	7.81	0.824	3.57	None	11.74	V. clear	None
11:23 AM	8	7.72	0.825	3.03	None	11.77	V. clear	None
11:26 AM	11	7.63	0.826	2.70	None	11.84	V. clear	None

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

Field Sample ID : Dupper Collection Time: 11:35 AM Number of Containers: 11

Analyte	# of Containers	Container Size	Type	Analytical Method	Preservative
Dissolved Methane	3	40 ml	vial	RSKSOP-175M	4°C
Aromatic Volatile Organics	2	40 ml	vial	8021	HCl, 4°C
Dissolved Metals	1	250 ml	poly	200.7	4° C
Total Metals	1	250 ml	poly	200.7	HNO ₃ , 4° C
Spec. Cond., TDS, pH, Fluoride	1	1 L	poly	E150.1	4° C
Anions by IC	1	125 ml	poly	300	4° C
Alkalinity (Carbonate/bicarbonate)	1	250 ml	poly	CARB/BICAR	4°C
Isotopic Analysis	1	1 L	Plastic	NG-2	biocide, 4°C
Duplicate Sample Collected?	Yes:		No:	X	

Sampler: Chris Roy

Duplicate ID: Not applicable

GPS Coordinates

Latitude: 40° 17' 30.0" Longitude: 104° 38' 26.1"

Comments: Well drilled in 1970, 85 feet deep. Bottom 20 feet is screened with 5-inch PVC. Typical daily water use includes domestic (excluding drinking) and summer irrigation. Isotopic analysis put on hold until further direction from COGCC, pending results from dissolved methane analysis.

**BIOLOGICAL ACTIVITY REACTION TEST RESULTS
DUPPER WATER WELL**



Results after 8 Days:

Red Capped Vial – Test for Iron Related Bacteria – Present

Black Capped Vial – Test for Sulfate Reducing Bacteria – Absent

Green Capped Vial – Test for Slime Forming Bacteria – Present



Photo #1 View of the sampling point in relation to the residence



Photo #2 View of the purging process including the collection of parameters



Photo #3 View of the purged water



Photo #4 View of the well pit location