

**Residential Water Well Field Data Form**

Project Name: COGCC - Environmental Support
Project Number: 25087038

Permit No: Not applicable
Owner: Shirley Dahl

Well Owner Survey

Is there a holding tank for the well? Yes No X
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 X No

Address: 8759 County Road 55
Keenesburg, CO
Location: Section 21, T2N, R64W
Date: 8/17/2009
Weather: Sunny, 80 degrees F

Location of well: West of modular home
Type of pump (jet, submersible, suction): submersible
Casing material and diameter: 4-inch steel
Depth to Static Water Table (fluctuations): 270 feet
Description of area around well: Relatively flat, residential/agricultural grassland and dirt
Location and description of sample point: Relatively flat, residential dirt, from interior spigot inside modular home
Pump start time: 3:40 PM

Time	Volume Purged (gal.)	PH (SI Units)	Spec Cond (ms/cm)	DO (mg/L)	Turbidity (NTU)	Temperature (°C)	Clarity	Other *
3:40 PM					slight		cloudy	none
3:57 PM	10	8.29	1.130	NR	slight	18.2	cloudy	none
4:01 PM	12	8.22	1.129	NR	slight	18.3	sl. Cloudy	none
4:05 PM	14	8.22	1.113	NR	slight	18.5	sl. Cloudy	none

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

Field Sample ID : Dahl Collection Time: 4:20 PM Number of Containers: 13

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	1	500 ml	HDPE	200.1	4° C
Br, Cl, F, SO ₄	1	250 ml	HDPE	300	4° C
Spec. Cond., TDS, pH	2	250 ml	HDPE	2540C, 150.1	4° C
NO ₃ , NO ₂	1	250 ml	HDPE	353.2	H ₂ SO ₄ , 4° C
Total Metals	1	500 ml	HDPE	200.1	4°C
Isotopic Analysis	1	1 L	Plastic	NG-2	biocide, 4°C
CO ₃ , HCO ₃	1	500 ml	HDPE	2320B	4° C
Duplicate Sample Collected?	Yes:		No:	X	

Sampler: Chris Roy

Duplicate ID:

GPS Coordinates

Latitude: N 40° 7' 23.1" Longitude: W 104° 33' 10.3"

Comments: The bottom 1-1.5 feet of the well consists of screen. Well used for domestic only - not for irrigation. Small amount of silt produced from purging the well. Collected samples using a PVC pipe to by-pass the pressure tank. Collected dissolved methane and isotopic samples using a hose downstream of pressure tank.



Photo #1 View of the well



Photo #2 View of the PVC sampling extension and the pressure tank



Photo #3 View of the purging process while recording parameters



Photo #4 View of the purged water



Photo #5 View of the pressure tank and the PVC by-pass