



### Residential Water Well Field Data Form

Project Name: COGCC - Environmental Support Complaint # 200340214 Permit No: 256584  
 Project Number: 25087038 Owner: Daryl & Cindy Burkhart

**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: 9309 WCR 104  
Nunn, CO 80604  
 Location: S15 T9N R67W  
 Date: 02/20/2012  
 Weather: sunny, cold, windy, 40°

Location of well: ~50' NE of house between 2 evergreen trees  
 Type of pump (jet, submersible, suction): unknown  
 Casing material and diameter: unknown  
 Depth to Static Water Table (fluctuations): unknown  
 Description of area around well: yard  
 Location and description of sample point: spigot on south side of barn next to door and hay bails  
 Pump start time: 11:25 AM ~10 gal/min

Time	Volume Purged (gal.)	pH (SI Units) *	Spec Cond (µs/cm)	DO (mg/L)	Turbidity (NTU)	Temperature (°C)	Clarity	Other *(ORP mv)
11:35 AM	~100							
	+3	12.51	702	4.37	<5	15.89	clear	6.7
	+5	12.30	681	3.42	<5	15.78	clear	4.6
	+3	12.22	653	3.63	<5	14.87	clear	3.5
12:00 PM	+4	12.14	634	3.81	<5	14.46	clear	3.3

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

NA = not analyzed

Field Sample ID : Burkhart 1 Collection Time: 12:00 PM Number of Containers: 10 +  
Bart & Isotceh

Analyte	# of Container	Container Size	Type	Analytical Method	Preservative
Dissolved Methane	3	40 ml	vial	RSK175	4°C
BTEX, MTBE	3	40 ml	vial	8021	HCl, 4°C
TPH: DRO, GRO	1	1000 ml	amber	8015	
Diss. Metals & Anions/Cations (Ca, Fe, Mn, K, Mg, Na, Cl, NO <sub>2</sub> , NO <sub>3</sub> , Br, SO <sub>4</sub> , CO <sub>3</sub> , HCO <sub>3</sub> , F, Se, Pb, Ba, Cr, As)	1	500 ml	poly	6020	4° C
NO <sub>3</sub> , NO <sub>2</sub>	1	250 ml	poly	353.2	H <sub>2</sub> SO <sub>4</sub> , 4° C
Total Dissolved Solids	1	1000 ml	poly	TDS_W	4° C
Specific Conductance at 25°C				COND_W	4° C
pH				150.1	4° C
Alkalinity (Carbonate/Bicarbonate)				CARB/BICAR	4° C
Duplicate Sample Collected?	Yes:		No:	X	

Sampler: AK

Duplicate ID: None

**GPS Coordinates**

Latitude: N40°44'31.2" (40.742) Longitude: W104°52'55.9" (104.88219)

Comments: split samples with DJ (Arcadis)

\* pH may not be representative due to equipment problems identified after sampling event.