



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 ₄ | 1 | 250 ml | HDPE | 300 | 4° C |
| CO ₃ , HCO ₃ | 1 | 500 ml | HDPE | 2320B | 4° C |
| NO ₃ , NO ₂ | 1 | 250 ml | HDPE | 353.2 | H ₂ SO ₄ , 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"

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.