



DEPARTMENT OF NATURAL
RESOURCES
P.O. Box 2651
Durango, CO 81302-2651
Phone: (970) 259-1619
FAX: (970) 259-9128
www.cogcc.state.co.us

Fax

To: Bernie Kempinski

From: Karen Spray *Karen*

Fax: 970-883-3838

Pages: 4 *(inc cover)*

Phone:

Date: 05/02/2008

Re: Water Test Results

CC:

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Bernie,

Here are the data that were sent to me by the lab. Test #1 was the first sample collected that we analyzed all parameters – Test #2 was when the electrical conductivity (EC) spiked to 4000 us; you were with us when that happened. We did not analyze manganese, nitrate/nitrite or selenium in this sample as they do not typically change w/ EC changes.

Please note from the Field Data report that it was the EC that Lynn was recording at 4,000 us – not TDS. We use conductivity (EC) and pH to determine when to collect a sample because when they stabilize (eg. typically = 3 samples in a row at the same approximate number) it generally means we have stable aquifer water. Your well obviously did not cooperate in this manner however – probably because it is screened from 100-500 feet with gravel pack to 19 feet and likely captures water from a variety of geologic zones. There is a water well located about 2 miles east of you that I sampled last year that has a similar design and exhibited erratic EC readings as well.

Your fluoride levels do exceed the EPA Primary Drinking Water Standard of 4.0 mg/L – this can cause mottling of teeth in small children and it is not recommended that your grandchildren drink it on a routine basis w/out treatment although small amounts should not harm them.

I will schedule a well yield test for your well as soon as a contractor is available and will be contacting your neighbors to sample their wells too. I will keep you posted as I obtain more data and will let you know when the yield test is set.

Please continue to keep a log of any changes you notice in your water, both quantity and quality.

Regards,



GAL ID No.: 804-006,01-02

April 18, 2008

COGCC
PO Box 2651
Durango, CO 81302
Attention: Karen Spray

Project Name: Kempinski Water Well
Project Number:
Date Received: 04/01/08

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, and Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020.

Samples were received by Green Analytical Laboratories, Inc. in good condition on 04/01/08.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in cursive script, appearing to read 'John Green', is written over the word 'Sincerely,'.

John Green
Laboratory Director

Enclosure

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

COGCC
PO Box 2651
Durango, CO 81302
Attention: Karen Spray

PROJECT NAME: Kempinski Water Well
PROJECT NUMBER: 1153
SAMPLE I.D.: Bernie Kempinski #1

GAL I.D.: 804-006-01

Date Received: 04/01/08

Date Reported: 04/18/08

QC Batches:

Sample Date: 04/01/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	EPA Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	194	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	190	1	mg/L	
Alkalinity, Carbonate	2320B	10	<10	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Calcium	200.7	0.5	127	1	mg/L	
Chloride	4500CL	10	590	1	mg/L	
Conductivity	2510B	1.0	2410	1	uS/cm	
Fluoride	4500F C	0.2	6.5	1	mg/L	4.0
Iron	200.7	0.05	<0.05	1	mg/L	
Magnesium	200.7	0.5	3.0	1	mg/L	
Manganese	200.8	0.0005	0.0409	1	mg/L	
Nitrate/Nitrite as N	353.3	0.02	0.12	1	mg/L	
pH	150.1	NA	8.04	NA	SU	
Potassium	200.7	0.5	1.3	1	mg/L	
Selenium	200.8	0.001	0.009	1	mg/L	0.05
Sodium	200.7	0.5	402	1	mg/L	
Sulfate	4500SO4	10	174	1	mg/L	
TDS	2540C	10	1300	1	mg/L	
Hardness	Calc	10	329	1	mg/L	
CAB	Calc		0.51		%	

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

COGCC
PO Box 2651
Durango, CO 81302
Attention: Karen Spray

PROJECT NAME: Kempinski Water Well
PROJECT NUMBER: 1213
SAMPLE I.D.: Bernie Kempinski #2

GAL I.D.: 804-006-02

Date Received: 04/01/08

Date Reported: 04/18/08

QC Batches:

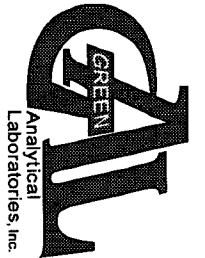
Sample Date: 04/01/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	162	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	162	1	mg/L	
Alkalinity, Carbonate	2320B	10	<10	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Calcium	200.7	0.5	287	1	mg/L	
Chloride	4500CL	10	1260	1	mg/L	
Conductivity	2510B	1.0	4400	1	uS/cm	
Fluoride	4500F C	0.2	5.8	1	mg/L	4.0
Iron	200.7	0.05	<0.05	1	mg/L	
Magnesium	200.7	0.5	6.3	1	mg/L	
pH	150.1	NA	7.63	NA	SU	
Potassium	200.7	0.5	2.0	1	mg/L	
Sodium	200.7	0.5	626	1	mg/L	
Sulfate	4500SO4	10	178	1	mg/L	
TDS	2540C	10	2630	1	mg/L	
Hardness	Calc	10	743	1	mg/L	
CAB	Calc		0.11		%	



CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: GACC

Contact: Karen Spray

Address: P.O. Box 2651

Denver CO 81302

Phone Number: 259-9619

FAX Number: 259-9128

Project Name: Karen Spray

PO#: Kempinski

Lab Name: Green Analytical Laboratories, Inc.

Address: 75 Suttle Street, Durango, CO 81303

(970) 247-4220 FAX (970) 247-4227

Notes:

1) Ensure proper container packaging.

2) Ship samples promptly following collection.

3) Designate Sample Reject Disposition.

Project Name: Kempinski

PO#: Kempinski

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water

3 = Soil/Sediment, 4 = Rinse, 5 = Oil

6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

804-004

Lab Name: Green Analytical Laboratories, Inc. (970) 247-4220 FAX (970) 247-4227													Analyses Required			
Address: 75 Suttle Street, Durango, CO 81303																
Sample ID	Date	Time	Collection		Miscellaneous				Preservative(s)				Comments			
			Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)				
1. <u>BENIE</u>	<u>4/1/08</u>	<u>1153</u>	<u>af</u>	<u>2</u>	<u>3</u>	<u>N</u>	<u>X</u>							<u>< API pkg Gas</u>		
2. <u>Kempinski #1</u>														<u>Carbon/anion pkol</u>		
3. <u>1153</u>																
4. <u>BENIE</u>	<u>4/1/08</u>	<u>1213</u>	<u>af</u>	<u>2</u>	<u>3</u>	<u>N</u>	<u>X</u>							<u>></u>		
5. <u>Kempinski #2</u>																
6. <u>1213</u>																
7.																
8.																
9.																
10.																
Relinquished by: <u>af</u>			<u>MDR</u>		Date: <u>4/1/08</u>		Time: <u>1316</u>		Received by: <u>Sam</u>		Date: <u>4/1/08</u>		Time: <u>1316</u>			
Relinquished by: <u>af</u>			<u>MDR</u>		Date: <u>4/1/08</u>		Time: <u>1400</u>		Received by: <u>Daniel</u>		Date: <u>4-1-08</u>		Time: <u>1400</u>			



San Juan Basin Health Department/Laboratory
281 Sawyer Drive
P.O. Box 140
Durango, CO 81302

WATER BACTERIOLOGY

SAMPLE INFORMATION:

PWS ID ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

☐ ROUTINE
☐ SPECIAL PURPOSE

☒ RAW
☐ FINISHED

☐ REPEAT FOR THE MONTH OF _____

☐ COMMUNITY

☐ NON-COMMUNITY

☒ PRIVATE

NAME OF SYSTEM
Bonne Compagnie

ADDRESS
520 Miller Ranch Rd

CITY

COUNTY

ORDERED BY: (SAMPLE MAY NOT BE TESTED IF ALL INFORMATION IS NOT PROVIDED)

FEE STAMP

COGCC
14

NAME
Four Brothers Co

ADDRESS
PO Box 4224

CITY/STATE/ZIP
Durango, CO 81302

TEST ORDERED ☒ STD BACT ☐ OTHER _____

TO BE BILLED

FCG# 0401028-22

COLLECTED 4/1/08 DATE 4/1/08 TIME 11:15 BY AM

RECEIVED 11 ☐ AM ☐ PM

TOTAL COLIFORM ☐ PRESENT ☒ ABSENT

MOST PROBABLE NO. _____ COLIFORM/100ML

☐ DENVER ☒ DURANGO ☐ GRD. JCT.

ANALYST [Signature]