



11D1036

OS-067-08513
LOC# 333764



Michael J. Nelson
Senior Environmental Coordinator
San Juan / Rockies Business Unit
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June 24, 2003



Mr. And Mrs. Ray Cullipher
P.O. Box 675
Durango, CO 81302

**RE: Water Well Analysis
Argenta 34-10 #32-4**

Dear Mr. And Mrs. Cullipher:

Please find attached the analytical reports for water samples collected from your water well on June 26, 2001. Sagle, Schwab & McLean Energy Resources attempted to mail these reports to you on August 14, 2001. Our records indicate that you may not have received these reports because Sagle, Schwab & McLean Energy Resources did not have your correct mailing address. Analytical results are provided in reports from Acculabs, Inc., Four Corners Geoscience, and Colorado Dept. of Public Health and Environment.

Please contact me at (832) 486-2316 if you have any questions concerning these reports.

Sincerely,

Michael J. Nelson
Senior Environmental Coordinator

Attachments

cc: Ms. Debbie Baldwin – Colorado Oil and Gas Conservation Commission

Sagle, Schwab & McLean
Energy Resources

August 14, 2001

Dear Water Well Owner:

Enclosed for your information is the analysis of the water sample taken from your water well prior to the drilling of a gas well on or near your property.

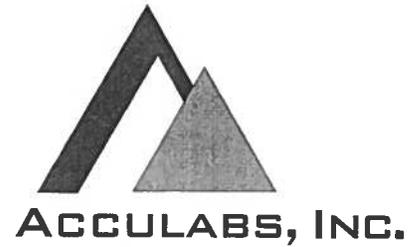
If you have any questions, please give us a call.

Sincerely,

SAGLE, SCHWAB & McLEAN
ENERGY RESOURCES
AGENT FOR SG INTERESTS

Marcia Stewart

Marcia Stewart
Production Technician



Acculabs ID No.: 7-106-093-01

July 19, 2001

Sagle, Schwab, & McLean
PO Box 2677
Durango, CO 81302
Attention: Alex McLean

Project Name: Argenta 34-10
Project Number: #32-4
Date Received: 06/27/01

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 Acculabs Inc. in good condition on 06/27/01.

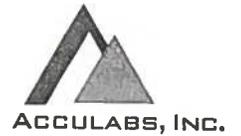
If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

John Green
Laboratory Director

Enclosure

UD 1036



Sagle, Schwab, & McLean
 PO Box 2677
 Durango, CO 81302
 Attention: Alex McLean

Acculabs I.D.: 7-106-093-01

Date Received: 06/27/01

Date Reported: 07/19/01

QC Batches:

PROJECT NAME: Argenta 34-10
PROJECT NUMBER: #32-4 - 067-08513
SAMPLE I.D.: Edina & Ray Cullipher

Sample Date: 06/26/01

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	ANALYST
		LIMIT	RESULT			ANALYZED	
Alkalinity, Total	2320B	10	184	1	mg/L		
Alkalinity, Bicarbonate	2320B	10	164	1	mg/L		
Alkalinity, Carbonate	2320B	10	20	1	mg/L		
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L		
Calcium	200.7	0.5	19.1	1	mg/L		
Chloride	4500CL	10	174	1	mg/L		
Conductivity	120.1	1.0	1780	1	uS/cm		
Fluoride	4500F C	0.2	6.5	1	mg/L		
Iron	200.7	0.05	5.9	1	mg/L		
Magnesium	200.7	0.5	1.8	1	mg/L		
Nitrate/Nitrite as N	353.2	0.05	<0.05	1	mg/L		
pH	150.1	NA	8.50	NA	SU		
Potassium	200.7	0.5	1.8	1	mg/L		
Selenium	3114B	0.001	<0.001	1	mg/L		
Sodium	200.7	0.5	412	1	mg/L		
Sulfate	4500SO4	10	490	1	mg/L		
TDS	160.1	10	1220	1	mg/L		
Hardness	Calc	14	55	1	mg/L		
CAB	Calc		1.25		%		


 John Green / Laboratory Manager

S&G Interests Groundwater Monitoring
Precompletion Water test

062601-1
FCG

Ray & Edina Cullipher
NAME

NO
BLM

6/26/2001
DATE

970-946-0928
TELEPHONE

5200 La Posta Cyn Rd Durango Co 81303
AddressWaterWell

P.O. Box 675 Durango Co 81303
MAILINGADD

Water Well Location and Permit Information

unk PERMIT

200 Feet WELLDEPTH

60 Feet STATICWATE

QTRQTR

32 SECTION

34 TOWNSHP

North

10 RANGE

West

-107.95798 LONG

37.14721 LATITUDE

Argenta 34-10 #32-4
NUMBER

SW Sec 32 T34N R10W
LOCATIONGA

Infill
WELLTYPE

Fee
FEE_FED_TR

067-08513

Field Chemistries

9.29
PH_FIELD

1960
COND_FIELD

1225
TDS_CALC

13.8
H2O_TEMP

Celsius

Methane Result in mg/L

0.0041 mg/L
CH4_MG_L

Detection Limit
0.0004 mg/L

Hydrogen sulfide(HACH Test Kit Field)

<0.1 mg/L
H_2_S_MG_L

0.1 mg/L Det.Limit

San Juan Basin Health-State of Colorado Health Dept

PRESENT Notified
BACTERIA_E

See attached report

Owner installed new csg& pump last week. Pumped til clear for test.Si cloudy grybrn tintCleared up during test.No odor or bubbles.

COMMENTS

Four Corners Geoscience conducted onsite field chemistries, observation of physical characteristics of water while pumping system to receive a fresh aquifer sample. Water samples were collected and delivered to EPA quality assured lab for analysis. Water samples for bacterial analysis were collected and delivered to San Juan Basin Health in Durango, CO. Samples for headspace gas analysis were taken to FCG lab and run within 4 hours of collection or less than 24 hours per USGS standard and methods for these analysis. Four Corners Geoscience is not liable for the results of these analysis and recommends referral to specialists in the field or water treatment. All methods are conducted in accordance with the requirements for this groundwater monitoring program in La Plata Colorado and COGCC Order Numbers 112-156 and 112-157 July 2000



Colorado Department
of Public Health
and Environment

LABORATORY & RADIATION SERVICES
8100 LOWRY BOULEVARD
DENVER, CO 80230-6928

US MAIL
PO BOX 17123
DENVER, CO 80217

BACTERIOLOGY

SG I -
Argenta

SAMPLE INFORMATION: COMMUNITY NON-COMMUNITY PRIVATE

PWS ID ROUTINE RAW REPEAT FOR THE MONTH OF

SPECIAL PURPOSE FINISHED

NAME OF SYSTEM *Ray & Edina Cullipher* MGL

ADDRESS *5300 La Poste Ln Rd* CHLORINE RESIDUAL

CITY *Argo Co* COUNTY

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

DATE TIME BY

COLLECTED *6/24/01* AM PM *12:12*

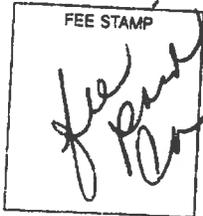
RECEIVED *6/27/01* AM PM

RESULTS: SEE REVERSE FOR EXPLANATION

TOTAL COLIFORM PRESENT ABSENT

No fecal found

MOST PROBABLE NO. _____ COLIFORM/100ML



LAB 106 (07/97)

PHONE _____

NAME *Lynn FCG*

ADDRESS *P.O. Box 4224*

CITY / STATE / ZIP *Argo Co*

TEST ORDERED STD BACT. OTHER _____

DENVER *PRRANGO* GRD. JCT

ANALYST *EA*

UU 130

7283214-22

EXPLANATION OF RESULTS

- Coliform absent: less than 1.1 (<1.1) indicates a safe sample.
- Coliform present: Unsafe Sample, greater than or equal to 1 coliform per 100 ml; water should be treated and retested
- INTC - Too Numerous To Count: The test plate contained more than 200 bacterial colonies other than coliform. Coliform bacterial growth may have been inhibited. The water supply may be unsafe. Treat and retest.
- INTC - Too Numerous To Count with coliform present: Same as above, but with coliform bacteria present. The presence of other bacteria prevents an accurate coliform count. Water supply is unsafe. Treat and retest.
- Confluent Growth: The test plate was covered with bacterial growth. Coliform bacteria growth may have been inhibited. The water supply may be unsafe. Treat and retest.
- Confluent Growth with Coliform Present: Same as above, but with coliform bacteria present. The presence of other bacteria prevents an accurate coliform count. Water supply is unsafe. Treat and retest.
- Outdated Samples: Sample greater than 48 hours old when received. Please resample.
- QNS: Quantity not sufficient for testing. Please resample.
- Overfilled: Unsatisfactory laboratory cannot process accurately. Please resample.