



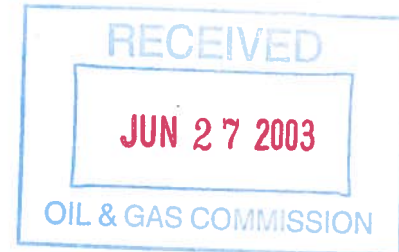
11D1036

OS-067-08513  
LOC# 383764

Michael J. Nelson  
Senior Environmental Coordinator  
San Juan / Rockies Business Unit  
P. O. Box 2197, 3WL-4078  
Houston, TX 77252-2197  
Phone: 832.486.2316  
Michael.J.Nelson@conocophillips.com

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.

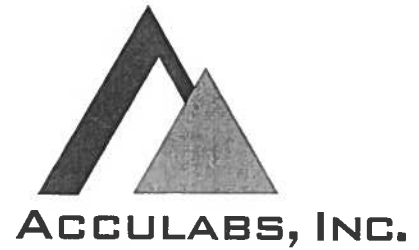
If you have any questions, please give us a call.

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	
		LIMIT	RESULT			ANALYZED	ANALYST
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 &amp; 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

STATICWATE

Feet

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)

&lt;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

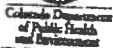
BACTERIA\_E

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



US MAIL  
PO BOX 17123  
DENVER, CO 80217

SG I -  
Argentina

LAB 106 (07/97)

Co-term 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*. Bacterial growth may have been inhibited. The water supply may be unsafe. Treat and retest.

NTC - 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.

Contingent 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.