



05-067-08513  
Loc# 333764

11D 1036

RECEIVED

JAN 12 06

COGCC



Michael J. Nelson  
Senior Environmental Coordinator  
Mid America Business Unit  
P. O. Box 2197, 3WL-6102  
Houston, TX 77252-2197  
Phone: 832.486.2316  
Michael.J.Nelson@conocophillips.com

January 5, 2006

Mr. And Mrs. Ray Cullipher  
P.O. Box 675  
Durango, CO 81303

**RE: Water Well Analysis  
Five Year Post Completion test - 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 November 29, 2005. Analytical results are provided in reports from Green Analytical Laboratories, 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, REM  
Senior Environmental Coordinator

Attachments

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

interced

ConocoPhillips  
Domestic Water Well Test  
COGCC Infill Order 112-156;112-157  
FCGeo Water Well Test Report

FCG # 112905-J3

BLM NO

DATE 11/29/2005

IID(COGCC) 1036

Ray & Edina Cullipher-Followup Test-5 years

NAME

5200 La Posta Cyn Rd Durango,CO 81303

AddressWaterWell

P.O. Box 675 Durango Co 81303

Mailing Address

970-259-7932

Telephone#

Water Well Location and Permit Data

Unknown

200

60

WaterWellPermit#

WellDepth(Ft)

StaticWater Level(Ft)

SE

32

34

10

Lat/Long

QTRQTR

SECTION

TWP(North)

RGE(West)

FTG

Garmin GPS NADS CONUS 27

-107.95860

Longitude(DecDegrees)

37.14717

Latitude(DecDegrees)

Field Chemistrie

8.32

PH\_FIELD

1880

ElectricConductivity

1175

TDS\_CALC

12.8

WATERTEMP\_

Methane Result (mg/L)  
(Dissolved)

<0.0006 mg/L

DetectionLimit 0.0005 mg/L  
USGS/ BLM METHOD

HydrogenSulfide (mg/L)  
HACH Test Kit Field 25378-00

<0.1 mg/L

Detection Limit 0.1 mg/

San Juan Basin Health-State of Colorado  
Health Dept Coliform Test Only

ABSENT

ColiformBacteria

Responded after 5 years.Pump repaired.2600gallon storage tank off well.Turn on pump for water to surface.Water clear to slight cloudy, no odor,slight green tint then clearer.Some small to medium bubbles.Ray turned on Solar pump last night.

COMMENTS

Argenta 34-10 #32-4

GasWellName

NESE Sec 34 T34N R10W(SUL)

LocationGasWell

Four Corners Geoscience conducted onsite field chemistries,observations of physical characteristics of well water while pumping well to receive a fresh aquifer sample. Water samples were collected and delivered to Green Analytical Lab located in Durango,Colorado.Methane samples were delivered to Four Corners Geoscience for analysis for methane in accordance with BLM/USGS Method established in 1993 for LaPlata County Colorado. Onsite water well evaluation and sample collection and analysis are conducted in compliance with La Plata County Government and the Colorado Oil and Gas Conservation Commission Order Number 112-156 and 112-157 established in July 2000. Four Corners Geoscience is not liable for the results or interpretation of these analyses. Qualified specialists should be consulted for interpretation or treatment of water.

**San Juan Basin Health Department  
Water Bacteriology Result  
Coli Alert Test for Presence or Absence  
Coliform Bacteria in Water Wells and other  
Water Sources**

A water sample was collected for Coli Alert test, the time of your water well test by Four Corners Geoscience. This sample was delivered to San Juan Basin Health State of Colorado, laboratory located in Durango, Colorado.  
A copy of the report is below.

Please call San Juan Basin Health at 970-247-5702 for more information if you have questions.

You may also refer to your water well booklet for more information and treatment by Water Treatment specialists in your area.



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

**WATER  
BACTERIOLOGY**

**TO BE COMPLETED**  
FCG # 112905-53

**SAMPLE INFORMATION:** ☐ COMMUNITY ☐ NON-COMMUNITY ☒ PRIVATE

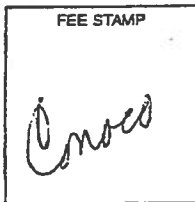
PWS ID ☐ ROUTINE ☒ RAW ☐ REPEAT FOR THE MONTH OF  
☐ SPECIAL PURPOSE ☐ FINISHED

NAME OF SYSTEM Ray Colliher (Follow up) MG/L

ADDRESS 5200 La Posta Canyon Rd CHLORINE RESIDUAL 1.1  
CITY COUNTY

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

FEE STAMP



LAB 106 (07/97).

PHONE FOUR CORNERS GEO

NAME PO Box 4224

ADDRESS DURANGO, CO 81302

CITY / STATE / ZIP

TEST ORDERED ☒ STD BACT. ☐ OTHER

DATE TIME BY

COLLECTED 11/21/05 1:55 ☐ AM ☐ PM

RECEIVED 11 ☐ AM ☐ PM

**RESULTS: SEE REVERSE FOR EXPLANATION**

TOTAL COLIFORM ☐ PRESENT ☒ ABSENT

MOST PROBABLE NO. COLIFORM/100ML

POWERED BY 11/21/05

☐ DENVER ☒ DURANGO ☐ GRD. JCT.

ANALYST ew

7233214-22

RECEIVED

JAN 12 06

COPY



GAL ID No.: 511-133-01

December 20, 2005

Conoco Phillips  
5525 Hwy 64  
Farmington, NM 87401  
Attention: Bob Wirtanen

Project Name: Argenta 34-10 #32-4 R  
Project Number: 112905-J3  
Date Received: 11/29/05

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 11/29/05.

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

Sincerely,

A handwritten signature in cursive script that reads "Debbie Zufelt".

For: John Green  
Laboratory Director

Enclosure

COPY

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

Conoco Phillips  
5525 Hwy 64  
Farmington, NM 87401  
Attention: Bob Wirtanen

**PROJECT NAME:** Argenta 34-10 #32-4 R  
**PROJECT NUMBER:** 112905-J3  
**SAMPLE I.D.:** Ray Cullipher

**GAL I.D.:** 511-133-01

Date Received: 11/29/05

Date Reported: 12/20/05

QC Batches:


Sample Date: 11/29/05

Sample Matrix: Water

## Laboratory Report

### RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity as CaCO <sub>3</sub>	2320B	10	190	1	mg/L	
Bicarbonate as CaCO <sub>3</sub>	2320B	10	186	1	mg/L	
Carbonate as CaCO <sub>3</sub>	2320B	10	<10	1	mg/L	
Hydroxide as CaCO <sub>3</sub>	2320B	10	<10	1	mg/L	
Calcium	200.7	0.5	14.0	1	mg/L	
Chloride	4500CL	10	177	1	mg/L	
Conductivity	2510B	1.0	2040	1	uS/cm	
Fluoride	4500F C	0.2	6.0	1	mg/L	4.0
Iron	200.7	0.05	0.34	1	mg/L	
Magnesium	200.7	0.5	<0.5	1	mg/L	
Manganese	200.8	0.00005	0.01327	1	mg/L	
Nitrate/Nitrite as N	353.3	0.02	0.23	1	mg/L	
pH	150.1	NA	7.84	NA	SU	
Potassium	200.7	0.5	1.4	1	mg/L	
Selenium	3114B	0.001	0.013	1	mg/L	0.05
Sodium	200.7	0.5	381	1	mg/L	
Sulfate	4500SO4	10	465	1	mg/L	
TDS	2540C	10	1140	1	mg/L	
Hardness, as CaCO <sub>3</sub>	Calc	10	35	1	mg/L	
CAB	Calc		2.41		%	

For:   
John Green, Laboratory Manager



# CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_

Client: Conoco Phillips

NOTES:

Contact: Michael Nelson - 3W6497 Ensure proper container packaging.

Address: 6000 N. Dairy Ashford Rd. 2) Ship samples promptly following collection.

PO Box 2197 Hewitt TX 77252-2197 3) Designate Sample Reject Disposition.

Phone Number: 832-486-2316 PO# Michael Nelson

FAX Number: 2769 Project Name: Argenta 34-16

# 32-4 R

Samplers Signature: Seay

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water  
3 = Soil/Sediment, 4 = Rinseate, 5 = Oil  
6 = Waste, 7 = Other (Specify) \_\_\_\_\_

FOR GAL USE ONLY

GAL JOB #

511-133

Lab Name: Green Analytical Laboratories, Inc. (970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303

Sample ID	Collection	Date	Time	Collected by: (Init.)	Miscellaneous			Preservative(s)					Analyses Required	Comments	
					Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH			Other (Specify)
1. <u>Box Cullipers</u>		<u>11-29-05</u>	<u>155</u>		<u>TC</u>	<u>2</u>	<u>3</u>	<u>N</u>							<u>FC6</u>
2.															<u>112905-J3</u>
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished by: Seay Date: 11/29/05 Time: 1600 Received by: Michael Nelson Date: 11/29/05 Time: 1600