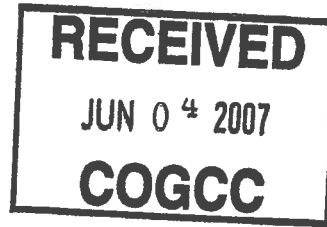




*Williams non-potable  
1-mil west of Nelson*

Report page total including this page:

Complaint: 200113299



May 29, 2007

John Axelson  
Colorado Oil & Gas Conservation Commission  
9203 E 155th Dr  
Brighton, CO 80602



Lab Work Order: 07-3012  
Client Project ID: Lewis Creek-ERF

Dear John Axelson:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

EAL will dispose of all samples one month from the date of this letter. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

A handwritten signature in cursive script that reads "Carl Smits".

Carl Smits / Kaprie Hollman  
Technical Director of Chemical Analysis

## WORK ORDER Summary

Evergreen Analytical, Inc.

07-3012

Rpt To: John Axelson

Fax To: John Axelson

FX: (303) 637-7179

Colorado Oil &amp; Gas Conservation

Email To: randall.ferguson@state.co.us

Comission

9203 E 155th Dr

Brighton, CO 80602

(303) 637-7178

5/16/2007 10:25:39 AM

Client Project ID: Lewis Creek-ERF

QC Level: LEVEL I

Comments EDD in COGCC format and PDF.

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
07-3012-01A	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	8021_W *	8021: BTEX	<input type="checkbox"/>	<input type="checkbox"/>	5/18/07	5/29/07
07-3012-01B	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	11/11/07
07-3012-01B	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	6020_D *	6020: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	11/11/07
07-3012-01C	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	ALK_WGRP *	Alkalinity	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	5/29/07
07-3012-01C	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	6/12/07
07-3012-01C	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	F_W	Fluoride	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	6/12/07
07-3012-01C	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	PH_DW	El 50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	5/16/07
07-3012-01C	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	5/22/07
07-3012-01D	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	5/17/07
07-3012-01E	Lewis Cr. NP-Well	Groundwater	5/15/07 0800	5/15/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	5/30/07	5/29/07

Definitions: \* - Test Code has a Select List

## PATIENT INFORMATION

ADDRESS 9203 E. 155th Dr

PHONE 833 637 7178 FAX 363 637 7179 E-mail: [info@hugoboss.com](mailto:info@hugoboss.com)

REPORT BY ☒ MAIL ☒ FAX ☐ PDF ☐ EDD

REPORT CHROMATOGRAMS ☒ YES

REPORT TO (Mr/Ms) Sahib Akel/2001

INVOICE TO Debra Hx 1300

PROJECT I.D. Lewis Creek - EPR

P.O. # \_\_\_\_\_ EAL. QUOTE # \_\_\_\_\_  
T A

Example: 27

**NOTE:** Identify Known Hazards Below

SAMPLE	DATE
--------	------

IDENTIFICATION	SAMPLED	TIME

Levi's Co. NY-Well	5/10/01	08.20
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**Use Only**

Report Results by: 5 from 10-11-1991 (Date):           

Standard 2 working weeks ☒           

UST Analyses per Fee Schedule ☐           

\* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%

☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%

\* Subject to surcharge & exceptions noted in fee schedule.

**Important Note:** See reverse side hereof for terms and conditions.

התאחדות המורים (1977).

Water line

Received by: (Signature)

Date/Time 5/15/3

Reinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Important Note: See reverse side hereof for terms and conditions

.....

13

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1

15

1

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### Sample Fraction

No Alt. - Post

103rd St

**Lab Order:** 07-3012

**Client Project ID** Lewis Creek-ERF

**CASE NARRATIVE**

**SAMPLE RECEIVING**

Sample(s) were hand delivered to the laboratory by the client.

Custody seals were not present.

The temperature of the sample(s) upon arrival was 3.3 °C.

Sample(s) were received in good condition, in the proper container, and within holding times.

VOC sample(s) were marked as preserved on the bottle labels.

VOC sample(s) were received with no headspace present. JD

**QUALITY ASSURANCE**

Analyses performed on samples in this work order meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. CMS

**CLIENT SERVICES**

There are no anomalies to report. AMU

**GENERAL CHEMISTRY**

The pH sample was analyzed 35 minutes out of holding time due to a scheduling problem. There are no other anomalies to report. CMS

**METALS ANALYSIS**

There are no anomalies to report. MB

**GAS CHROMATOGRAPHY**

Method MEEP\_W: There are no anomalies to report. MS

Method 8021\_W: There are no anomalies to report. HJ

054

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: Lewis Cr. NP-Well  
Client Project ID: Lewis Creek-ERF  
Date Collected: 5/15/07  
Date Received: 5/15/07

Lab Work Order 07-3012  
Lab Sample ID: 07-3012-01A  
Sample Matrix: Groundwater

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 5/17/07

Lab File ID: TVB20517A009R

Dilution Factor: 1

Date Analyzed: 5/17/07

Method Blank: MB2051707

Analytes	CAS Number	Result	LQL	Units
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	81	QC Limits: 60-140	%REC



Analyst



Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 5/18/07

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**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: Lewis Cr. NP-Well  
Client Project ID: Lewis Creek-ERF  
Date Collected: 5/15/07  
Date Received: 5/15/07

Lab Work Order: 07-3012  
Lab Sample ID: 07-3012-01  
Sample Matrix: Groundwater

**DISSOLVED METALS**

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 5/16/07  
Date Analyzed: 5/17/07

Lab File ID: 051707PM  
Method Blank: MB-12561

Dilution Factor: 1  
Lab Fraction ID: 07-3012-01B

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	110	0.39	mg/L
Iron	7439-89-6	U	0.070	mg/L
Magnesium	7439-95-4	40	0.15	mg/L
Manganese	7439-96-5	0.87	0.0050	mg/L
Potassium	7440-09-7	12	0.34	mg/L
Sodium	7440-23-5	46	0.40	mg/L

**DISSOLVED METALS**

Method: SW6020

Prep Method: SW6020

Date Prepared: 5/21/07  
Date Analyzed: 5/23/07

Lab File ID: 070523A.B\039SMPL.D  
Method Blank: MB-12598

Dilution Factor: 1  
Lab Fraction ID: 07-3012-01B

Analytes	CAS Number	Result	LQL	Units
Selenium	7782-49-2	U	0.0050	mg/L

  
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Analyst

  
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Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
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H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable  
LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 5/24/07

507

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: Lewis Cr. NP-Well  
Client Project ID: Lewis Creek-ERF  
Date Collected: 5/15/07 0800  
Date Received: 5/15/07

Lab Work Order 07-3012  
Lab Sample ID: 07-3012-01  
Sample Matrix: Groundwater

**ALKALINITY**

Method: SM2320B

Prep Method:

Date Prepared: 5/17/07  
Date Analyzed: 5/17/07

Lab File ID: 13  
Method Blank: MBLK

Dilution Factor: 1  
Lab Fraction ID: 07-3012-01C

Analytes	CAS Number	Result	LQL	Units
Total Alkalinity		334	5.0	mg/L CaCO <sub>3</sub>
Bicarbonate		334	5.0	mg/L CaCO <sub>3</sub>
Carbonate		U	5.0	mg/L CaCO <sub>3</sub>

**SPECIFIC CONDUCTANCE @ 25°C**

Method: SM2510 B

Prep Method:

Date Prepared: 5/21/07  
Date Analyzed: 5/21/07

Lab File ID: 65

Dilution Factor: 1  
Lab Fraction ID: 07-3012-01C

Analytes	CAS Number	Result	LQL	Units
Specific Conductance		1040	1.00	µmhos/cm

**FLUORIDE**

Method: SM 4500-F C

Prep Method:

Date Prepared: 5/16/07  
Date Analyzed: 5/16/07

Lab File ID: 19  
Method Blank: MBLK

Dilution Factor: 1  
Lab Fraction ID: 07-3012-01C

Analytes	CAS Number	Result	LQL	Units
Fluoride	16984-48-8	0.53	0.20	mg/L

**E150.1 PH**

Method: E150.1

Prep Method:

Date Prepared: 5/16/07  
Date Analyzed: 5/16/07 0835

Dilution Factor: 1  
Lab Fraction ID: 07-3012-01C

Analytes	CAS Number	Result	LQL	Units
pH		7.04 H	1.00	pH Units

  
Analyst

  
Approved

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable  
LQL - Lower Quantitation Limit  
Sur - Surrogate

Print Date: 5/23/2007

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**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: Lewis Cr. NP-Well  
Client Project ID: Lewis Creek-ERF  
Date Collected: 5/15/07 0800  
Date Received: 5/15/07

Lab Work Order 07-3012  
Lab Sample ID: 07-3012-01  
Sample Matrix: Groundwater

**TOTAL DISSOLVED SOLIDS (TDS)**

Method: SM 2540C

Prep Method:


Date Prepared: 5/21/07  
Date Analyzed: 5/21/07 0000

Lab File ID: 7  
Method Blank: MBLK

Dilution Factor: 1  
Lab Fraction ID: 07-3012-01C

Analytes	CAS Number	Result	LQL	Units
Total Dissolved Solids		725	10.0	mg/L

  
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Analyst

  
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Approved

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable  
LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 5/23/2007



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**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: Lewis Cr. NP-Well  
Client Project ID: Lewis Creek-ERF  
Date Collected: 5/15/07 0800  
Date Received: 5/15/07

Lab Work Order 07-3012  
Lab Sample ID: 07-3012-01  
Sample Matrix: Groundwater

**ANIONS BY IC**

**Method: E300.0**

**Prep Method:**

Date Prepared: 5/16/07  
Date Analyzed: 5/16/07 1128

Method Blank: METHOD BLANK

Dilution Factor: 1  
Lab Fraction ID: 07-3012-01D

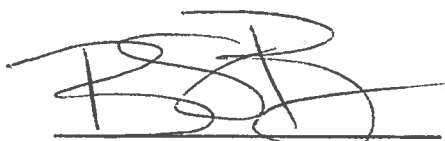
Analytes	CAS Number	Result	LQL	Units
Bromide	7647-15-6	1.04	0.25	mg/L
Nitrate-N		0.120	0.056	mg/L
Sulfate	7778-80-2	19.6	0.25	mg/L

Date Prepared: 5/16/07  
Date Analyzed: 5/16/07 1200

Method Blank: METHOD BLANK

Dilution Factor: 5  
Lab Fraction ID: 07-3012-01D

Analytes	CAS Number	Result	LQL	Units
Chloride	7647-14-5	147	1.3	mg/L
Nitrite-N		U	0.38	mg/L



\_\_\_\_\_  
**Analyst**



\_\_\_\_\_  
**Approved**

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable  
LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 5/17/07

**Evergreen Analytical, Inc.**  
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
 (303) 425-6021

Client Project ID Lewis Creek-ERF

Lab Order: 07-3012  
 Units: mg/L

**RSKSOP-175M Headspace**

Method: RSKSOP175M

Prep Method: RSKSOP175M

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-3012-01E	Lewis Cr. NP-Well	Groundwater	5/15/07	5/15/07	5/16/07	5/16/07	0.0092	0.00080	1

Comments:

Analyst   PC  

Approved                     

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL  
 H - Sample analysis exceeded analytical holding time  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** DF - Dilution Factor  
 LQL - Lower Quantitation Limit