

# ANALYTICAL SUMMARY REPORT

October 24, 2005

Harold Backer

NFU-WY LLC

8420 Continental Divide Rd

Ste 200

Ken Caryl Ranch, CO 80127

Workorder No.: C05100341 Project Name: Lost Creek

Water Well LCIW Sample #1

Energy Laboratories Inc. received the following 1 sample from NFU-WY LLC on 10/7/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05100341-001	LC1-W	10/07/05 9:30	10/07/05	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite pH Radium 226, Dissolved Solids, Total Dissolved

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Pa. balung

Report Approved By:



### LABORATORY ANALYTICAL REPORT

Client: NFU-WY LLC

**Report Date:** 10/24/05 **Collection Date:** 10/07/05 09:30

Project: Lost Creek
Lab ID: C05100341-001

Date Received: 10/07/05

Client Sample ID:	LC1-W	9.	Matrix: Aqueous

		MCL/										
Analyses	Result	Units	Qual RL QCL	Method	Analysis Date / By							
MAJOR IONS	9											
Alkalinity, Total as CaCO3	107	mg/L	1	A2320 B	10/12/05 12:14 / th							
Carbonate as CO3	ND	mg/L	1	A2320 B	10/12/05 12:14 / th							
Bicarbonate as HCO3	130	mg/L	1	A2320 B	10/12/05 12:14 / th							
Calcium	27	mg/L	i	E200.7	10/18/05 16:32 / cp							
Chloride	4	mg/L	i	E200.7	10/18/05 16:32 / cp							
Fluoride	0.4	mg/L	0.1	A4500-F C	10/11/05 11:27 / slb							
Magnesium	2 -	mg/L	1	E200.7	10/18/05 16:32 / cp							
Nitrogen, Ammonia as N	ND	mg/L	0.05	A4500-NH3 G	10/10/05 16:58 / jal							
Nitrogen, Nitrate+Nitrite as N	1.6	mg/L	0.1	E353.2	10/10/05 12:26 / jal							
Nitrogen, Nitrite as N	ND	mg/L	0.1	A4500-NO2 B	10/11/05 13:24 / jal							
Potassium	1	mg/L	1	E200.7	10/18/05 16:32 / cp							
Silica	15.6	mg/L	0.1	E200.7	10/18/05 16:32 / cp							
Sodium	26	mg/L	1	E200.7	10/18/05 16:32 / cp							
Sulfate	20	mg/L	1	E200.7	10/18/05 16:32 / cp							
		3-	,		тогоо тогоштор							
PHYSICAL PROPERTIES												
Conductivity	274	umhos/cm	1.0	A2510 B	10/10/05 14:08 / jc							
рН	8.06	s.u.	0.01	A4500-H B	10/10/05 16:58 / jc							
Solids, Total Dissolved TDS @ 180 C	170	mg/L	10	A2540 C	10/10/05 13:34 / jc							
METALS - DISSOLVED												
Aluminum	ND	mg/L	0.1	E200.8	10/20/05 10:10 / sml							
Arsenic	0.002	mg/L	0.001	E200.8	10/20/05 10:10 / sml							
Barium	ND	mg/L	0.1	E200.8	10/20/05 10:10 / sml							
Boron	ND	mg/L	0.1	E200.7	10/18/05 16:32 / cp							
Cadmium	ND	mg/L	0.005	E200.8	10/20/05 10:10 / sml							
Chromium	ND	mg/L	0.05	E200.8	10/20/05 10:10 / sml							
Copper	ND	mg/L	0.01	E200.8	10/20/05 10:10 / sml							
Iron	ND	mg/L	0.03	E200.7	10/18/05 16:32 / cp							
Lead	ND	mg/L	0.05	E200.8	10/20/05 10:10 / sml							
Manganese	ND	mg/L	0.01	E200.8	10/20/05 10:10 / sml							
Mercury	ND	mg/L	0.001	E200.8	10/20/05 10:10 / sml							
Molybdenum	ND	mg/L	0.1	E200.8	10/20/05 10:10 / sml							
Nickel	ND	mg/L	0.05	E200.8	10/20/05 10:10 / sml							
Selenium	0.008	mg/L	0.001	E200.8	10/20/05 10:10 / sml							
Uranium	0.129	mg/L	0.0003	E200.8	10/20/05 10:10 / sml							
Vanadium	ND	mg/L	0.0003	E200.8	10/20/05 10:10 / sml							
Zinc	ND	mg/L	0.01	E200.8	10/20/05 10:10 / sml							
DADIONIICI IDEC DISCOLVED												
RADIONUCLIDES - DISSOLVED	ND	»C://	0.0	E002.0	10/10/05 10:55 / 15							
Radium 226	ND	pCi/L	0.2	E903.0	10/10/05 13:55 / df							

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



#### LABORATORY ANALYTICAL REPORT

Client: NFU-WY LLC

Report Date: 10/24/05

Project: Lost Creek

Collection Date: 10/07/05 09:30

Lab ID: C05100341-001 Client Sample ID: LC1-W Date Received: 10/07/05

Matrix: Aqueous

	MCL/											
Analyses	Result	Units	Qual	RL QCL	Method	Analysis Date / By						
DATA QUALITY												
A/C Balance (± 5)	-1.88	%			Calculation	10/21/05 10:15 / dab						
Anions	2.78	meq/L			Calculation	10/21/05 10:15 / dab						
Cations	2.68	meq/L			Calculation	10/21/05 10:15 / dab						
Solids, Total Dissolved Calculated	167	mg/L			Calculation	10/21/05 10:15 / dab						
TDS Balance (0.80 - 1.20)	1.02	dec. %			Calculation	10/21/05 10:15 / dab						



# Energy Laboratories Inc.

## Sample Receipt Checklist

Client Name NFU-WY LLC	Date a	Date and Time Received: 10/7/2005 16:30:00							
Work Order Number C05100341			Receiv	ed by em					
Checklist completed by: Signature	8 05   Date		Review	red by		Da	ite		
	Carrier name	Hand Del							
		·							
Shipping container/cooler in good condition?		Yes	No 🗌	Not Present	<b>/</b>				
Custody seals intact on shipping container/coole	er?	Yes 🗌	No 🗌	Not Present	<b>✓</b>				
Custody seals intact on sample bottles?		Yes	No 🗌	Not Present	<b>V</b>				
Chain of custody present?	*	Yes 🗸	No 🗌						
Chain of custody signed when relinquished and	received?	Yes 🗸	No 🗌						
Chain of custody agrees with sample labels?		Yes 🗸	No 🗆						
Samples in proper container/bottle?	9	Yes 🗸	No 🗌						
Sample containers intact?		Yes 🗸	No 🗌						
Sufficient sample volume for indicated test?		Yes 🗸	No 🗌						
All samples received within holding time?		Yes 🗸	No 🗌						
Container/Temp Blank temperature in compliance	ce?	Yes 🗸	No 🗆	No ☐ 13.2 °C From Field					
Water - VOA vials have zero headspace?		Yes	No 🗌	No VOA vials subn	nitted	<b>✓</b>			
Water - pH acceptable upon receipt?		Yes 🗸	No 🗌	Not Applicable					
	Adjusted?		Checked by	extra Community of the	-				
Any No and/or NA (not applicable) response mu	st be detailed in the c	omments se	ction below.				=====		
Client contacted	Date contacted:			Person contacted					
Contacted by:	Regarding:						<del></del>		
Comments: Sample split, filtered and preserved in lab whe	re applicable.						180		
		*/	(2)						
Corrective Action							-		



Date: 24-Oct-05

CLIENT:

NFU-WY LLC

Project:

Lost Creek

Sample Delivery Group: C05100341

**CASE NARRATIVE** 

#### THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

#### **BRANCH LABORATORY LOCATIONS**

eli-b - Energy Laboratories, Inc. - Billings, MT

eli-f - Energy Laboratories, Inc. - Idaho Falls, ID

eli-g - Energy Laboratories, Inc. - Gillette, WY

eli-h - Energy Laboratories, Inc. - Helena, MT

eli-r - Energy Laboratories, Inc. - Rapid City, SD

eli-t - Energy Laboratories, Inc. - College Station, TX

#### ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

#### SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

#### SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the page number located in the lower right corner.

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ENERGY	
LABORATORIES	

# Chain of Custody and Analytical Request Record PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Page \_\_\_\_

Company Name:		Project Name,									_			
UR-Energy U	Contact Name, Phone, Fax, E-mail: Sampler Name if other than Contact:													
Report Mail Address:	Contact Nam	tact Name, Phone, Fax, E-mail: Sampler Name if other than Contact:												
Report Mail Address:  3/67 Energy Lene 7  Carper My \$2600  Invoice Address: Ni-Lize My \$2600  Energy Lene 7  Report Required For: POTW/WWTP	Tom Nic 40bor													
Casper Wy 82600	4	1265 - 2373 Invoice Contact & Phone #: Purchase Order #: ELI Quote #:												
Invoice Address: NFULUY CC	100000	Invoice Conta	act &	Phone	#:			Purchase Order #: ELI Quote #:						
0420 5 C04/14e4 (41 N)000	9 Kd # 206	77200												
Ken Cary/ Ranch C	0 80 127	726	78	7-9	58	E_								
Report Required For: POTW/WWTP	DW 🗖	ation	A	VAL	YS	I\$ F	E	QU	EST	LEI	D		Notify ELI prior to RUSH	Shipped by:
Other		v B (	1	3								5	sample submittal for additiona	al HANG-field
Special Report Formats - ELI must be notified sample submittal for the following:	ed prior to	w S ds V dthei	3	1				-					charges and scheduling Comments:	Cooler ID(s)
NELAC A2LA Level IV	1	of Co se: A s/Soli say (		N	d						뀌	TAT F	Comments.	Receipt Temp
Other	2	ber ( Soilk Bioass	39	\$	3						AC	pund		13.2 °C
EDD/EDT  Format	2005	Number of Containers Sample Type: A W S V B O <u>Air Water Soils/Solids Vegetation</u> <u>Bioassay Other</u>	50:08	Washing.	17:550/10/						ATTACHED	Normal Turnaround (TAT)		Custody Seal Y (N)
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Sample Disposal: Ret	turn to client:		Dispo					Samp	le Typ	oe:			LABORATORY USE ONLY # of fractions	

ples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

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