

# Additional Information

Notice and Water Analysis

**McMillan, Michael, EMNRD**

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**From:** McMillan, Michael, EMNRD  
**Sent:** Thursday, April 25, 2019 11:48 AM  
**To:** 'joel@lowryenvironmental.com'  
**Subject:** LilyStream Water Solutions, LLC Lucas SWD Well No. 3

Joel:  
Your application for the LilyStream Water Solutions, LLC Lucas SWD Well No. 3 was received April 24, 2019. However, your proof of mailing does not definitively show that the affected parties were mailed.

You show that the affected parties were mailed an application, but there is no verification in terms of tracking number that they were actually mailed the application.  
Also, the green cards do not list the names of the affected parties.

You must provide definitive proof that shows the affected parties received notification.

Also, you must send an application to the BLM

As a result, your application is suspended.

Mike

Michael McMillan  
1220 South St. Francis  
Santa Fe, New Mexico  
505-476-3448  
Michael.mcmillan@state.nm.us

**McMillan, Michael, EMNRD**

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**From:** Joel Lowry <joel@lowryenvironmental.com>  
**Sent:** Monday, May 20, 2019 5:29 AM  
**To:** McMillan, Michael, EMNRD  
**Subject:** [EXT] LilyStream Water Solutions - Lucas SWD #1, Lucas SWD #2, Lucas SWD #3, Bounds SWD #1 and Bounds SWD #3 - Proof of Notice + Applicable Laboratory Analysis  
**Attachments:** LilyStream - Lucas SWD #3.pdf; LilyStream - Bounds SWD #1.pdf; LilyStream - Bounds SWD #3.pdf; LilyStream - Lucas SWD #1.pdf; LilyStream - Lucas SWD #2.pdf

Mr. McMillan,

Please find attached Proof of Notice Documentation along with Laboratory Analytical Documentation for the C-108 applications that were submitted over the last several weeks. I apologize for having not included the certified mail numbers on the original submissions.

Respectfully,

**Joel Lowry**  
Environmental Professional

**LOWRY**  
environmental

PO Box 896  
Lovington, NM 88260  
Direct 432-466-4450

LUCAS SWD #3

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#### XIV. PROOF OF NOTICE

##### Surface Owner:

**Berry and Janice Lucas**  
PO Box 96  
White's City, NM 88268  
7017 2620 0001 0352 0833

##### Leasehold Operators and/or Unleased Mineral Owners within a One-Mile Radius:

**Yates Petroleum Corporation**  
105 South 4th Street  
Artesia, NM 88210  
7017 2620 0001 0352 0796

**Myco Industries, Inc.**  
105 South 4th Street  
Artesia, NM 88210  
7017 2620 0001 0352 0758

**Yakka II, LLC**  
P.O. Box 2078  
Abilene, TX 79604  
7017 2620 0001 0352 0888

**J Bar Cane, Inc.**  
3660 Highway 41  
Stanley, NM 87056  
7017 2620 0001 0352 0901

**Cimarex Energy Co.**  
600 N. Marienfeld Street  
Midland, TX 79701  
7017 2620 0001 0352 0802

**EOG Resources, Inc.**  
P.O. Box 4362  
Houston, TX 77210  
7017 2620 0001 0352 0710

**EOG M Resources, Inc.**  
P.O. Box 4362  
Houston, TX 77210  
7017 2620 0001 0352 0857

**Abo Petroleum Corporation**  
105 South 4th Street  
Artesia, NM 88210  
7017 2620 0001 0352 0895

**Featherstone Development**  
P.O. Box 429  
Roswell, NM 88202  
7017 2620 0001 0352 0727

**Edith Laverne H. Elliot**  
716 W. California Trail  
Keller, TX 76248  
7017 2620 0001 0352 0734

**Roadrunner O&G, LLC**  
P.O. Box 101415  
Fort Worth, TX 76185  
7017 2620 0001 0352 0840

**Oxy Y-1 Company**  
P.O. Box 4294  
Houston, TX 77210  
7017 2620 0001 0352 0864

**EOG A Resources, Inc.**  
P.O. Box 4362  
Houston, TX 77210  
7017 2620 0352 0765

**EOG Y Resources, Inc.**  
P.O. Box 4362  
Houston, TX 77210  
7017 2620 0001 0352 0741

#### XIV. PROOF OF NOTICE

**Chevron USA Inc.**  
6301 Deaville  
Midland, TX 79706  
7017 2620 0001 0352 0819

**Tap Rock Resources LLC**  
602 Park Point Dr.  
Golden, CO 80401  
7017 2620 0001 0352 0789

**Robert W. Hanagan**  
P.O. Box 746  
Big Horn, WY 82833  
7017 2620 0001 0352 1137

##### Regulatory Agency:

**NMOCD - Santa Fe**  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

**Marathon Oil Permian LLC**  
5555 San Felipe St.  
Houston, TX 77056  
7017 2620 0001 0352 0772

**XTO Holdings LLC**  
810 Houston St.  
Fort Worth, TX 76102  
7017 2620 0001 0352 0871

**Debra A. Hill, Trustee  
Of the Debra A. Hill Revocable Trust**  
P.O. Box 1887  
Santa Fe, NM 87504  
7017 2620 0001 0352 0703

**NMOCD - District 2**  
811 S. First  
Artesia, NM 88210  
7017 2620 0001 0352 0826



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 15, 2019

JOEL LOWRY

LOWRY ENVIROMENTAL & ASSOCIATES

PO BOX 296

LOVINGTON, NM 88260

RE: LUCAS SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/08/19 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

LOWRY ENVIROMENTAL & ASSOCIATES  
JOEL LOWRY  
PO BOX 296  
LOVINGTON NM, 88260  
Fax To:

Received: 04/08/2019  
Reported: 04/15/2019  
Project Name: LUCAS SWD  
Project Number: NONE GIVEN  
Project Location: EDDY CO NM

Sampling Date: 04/08/2019  
Sampling Type: Water  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: 2101 (H901273-01)**

Chloride, SM4500Cl-B			mg/L		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	44.0	4.00	04/11/2019	ND	104	104	100	3.92	
TDS 160.1			mg/L		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	2010	5.00	04/15/2019	ND	506	96.0	527	2.08	

**Sample ID: 0201 (H901273-02)**

Chloride, SM4500Cl-B			mg/L		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	36.0	4.00	04/11/2019	ND	104	104	100	3.92	
TDS 160.1			mg/L		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	2360	5.00	04/15/2019	ND	506	96.0	527	2.08	

**Sample ID: 2201 (H901273-03)**

Chloride, SM4500Cl-B			mg/L		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	252	4.00	04/11/2019	ND	104	104	100	3.92	
TDS 160.1			mg/L		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	4650	5.00	04/15/2019	ND	506	96.0	527	2.08	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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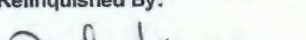

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Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 4-8-19	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:		Time: 14:20		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
		Date:	Received By:	REMARKS:
		Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) TS.	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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April 26, 2019

JOEL LOWRY

LOWRY ENVIROMENTAL & ASSOCIATES

PO BOX 296

LOVINGTON, NM 88260

RE: LUCAS RANCH

Enclosed are the results of analyses for samples received by the laboratory on 04/18/19 12:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

LOWRY ENVIROMENTAL & ASSOCIATES  
JOEL LOWRY  
PO BOX 296  
LOVINGTON NM, 88260  
Fax To:

Received: 04/18/2019  
Reported: 04/26/2019  
Project Name: LUCAS RANCH  
Project Number: NONE GIVEN  
Project Location: EDDY CO NM

Sampling Date: 04/16/2019  
Sampling Type: Water  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: LUCAS HOUSE (H901418-01)**

Chloride, SM4500Cl-B		mg/L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	28.0	4.00	04/22/2019	ND	104	104	100	0.00	
TDS 160.1		mg/L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1520	5.00	04/24/2019	ND	558	106	527	18.3	

**Sample ID: LUCAS #1-1 (H901418-02)**

Chloride, SM4500Cl-B		mg/L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	28.0	4.00	04/22/2019	ND	104	104	100	0.00	
TDS 160.1		mg/L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	2280	5.00	04/24/2019	ND	558	106	527	18.3	

**Sample ID: LUCAS #2-1 (H901418-03)**

Chloride, SM4500Cl-B		mg/L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	84.0	4.00	04/22/2019	ND	104	104	100	0.00	
TDS 160.1		mg/L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	2700	5.00	04/24/2019	ND	558	106	527	18.3	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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\* = Accredited Analyte

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Catelyn D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

Company Name: Lowry Environmental				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																									
Project Manager: Joel Lowry				P.O. #:																													
Address: PO Box 896				Company: Lowry Env																													
City: Lovington State: Zip: #				Attn: Joel Lowry																													
Phone #: 432-466-4450 Fax #:				Address: PO Box 896																													
Project #: Project Owner:				City:																													
Project Name: Lucas Ranch				State: Zip:																													
Project Location:				Phone #:																													
Sampler Name: Joel Lowry				Fax #:																													
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING																					
								GROUNDWATER																									
								WASTEWATER																									
								SOIL																									
								OIL																									
								SLUDGE																									
								OTHER:																									
								ACID/BASE:																									
								ICE / COOL																									
								OTHER:																									
								DATE		TIME		Chloride		TPH		BTEX 8021		TDS															
H901418		1 Lucas Home		6		1																											
		2 Lucas #1-1		1		1																											
		3 Lucas #2-1		1		1																											

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Relinquished By: Joel Lowry		Date: 4/10/14		Received By: Martha Turner		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By: Martha Turner		Time: 10:20		Received By: Jodi Benson		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Date: 4/19/14		Time: 12:15		CHECKED BY: (Signature)		REMARKS:			
Delivered By: (Circle One)		Sample Condition							
Sampler - UPS - Bus - Other: 0.6% / #97		Cool Intact							
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							

FORM-006 R 2.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476