

# Additional Information

Notice and Water Analysis

**McMillan, Michael, EMNRD**

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**From:** McMillan, Michael, EMNRD  
**Sent:** Thursday, April 25, 2019 11:00 AM  
**To:** 'joel@lowryenvironmental.com'  
**Subject:** LilyStream Water Solutions, LLC Lucas SWD Well No. 1

Joel:  
Your application for the LilyStream Water Solutions, LLC Lucas SWD Well No. 1 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 #1*

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#### XIV. PROOF OF NOTICE

Surface Owner:

**Berry and Janice Lucas, husband and**  
P.O. Box 96  
White City, NM 88268  
7017 0660 0000 2489 3812

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

**EOG M Resources, Inc.**  
105 S. 4th St.  
Artesia, NM 88210  
7017 2620 0001 0352 0697

**EOG Y Resources, Inc.**  
105 S 4th St.  
Artesia, NM 88210  
7018 3090 0002 1929 6791

**EOG A Resources, Inc.**  
105 S. 4th St.  
Artesia, NM 88210  
7017 2620 0001 0352 0680

**Oxy Y-1 Company**  
P.O. Box 27570  
Houston, TX 77227  
7017 2620 0001 0352 0673

**COG Operating LLC**  
600 W. Illinois Ave  
Midland, TX 79701  
7017 0660 0000 2489 3799

**JKM Energy, LLC**  
26 E. Compress Road  
Artesia, NM 88210  
7017 2620 0001 0666

**Cimarex Energy Co.**  
600 N. Marienfeld Street, Suite 600  
Midland, TX 79701  
7017 0660 0000 2489 3881

**Cimarex Energy Co. of Colorado**  
600 N. Marienfeld Street, Suite 600  
Midland, TX 79701  
7017 0660 0000 2489 3805

**Tap Rock Operating, LLC**  
602 Park Point Drive Suite 200  
Golden, CO 80401  
7017 0660 0000 2489 3867

**Concho Oil & Gas LLC**  
600 W. Illinois Ave  
Midland, TX 79701  
7017 0660 0000 2489 3874

**Hanagan, Robert W**  
223 West Wall #301  
Midland, TX 79702  
7017 0660 0000 2489 3898

**French L R Jr**  
P.O. Box 11327  
Midland, TX 79701  
7017 0660 0000 2489 3850

**Cabal Energy Corp**  
415 W. Wall St STE 1700  
Midland, TX 79701  
7017 0660 0000 2489 3836

**XTO Holdings LLC**  
810 Houston St  
Fort Worth, TX 76102  
7017 0660 0000 2489 3843

#### XIV. PROOF OF NOTICE

Regulatory Agency:

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

**NMOCD - District 2**  
811 S. First  
Artesia, NM 88210  
7017 0660 0000 2489 3829



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

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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						

**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					

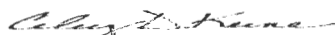
**Sample ID: 2201 (H901273-03)**

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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Celey D. Keene, Lab Director/Quality Manager





# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Lowry Enviro</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																							
Project Manager: <u>Sue Lowry</u>				P.O. #: <u>Lowry Enviro</u>																											
Address: <u>PO Box 866</u>				Company:																											
City: <u>Lawington</u> State: <u>NM</u> Zip: <u>88260</u>				Attn:																											
Phone #: <u>432-466-4450</u> Fax #:				Address:																											
Project #: <u>N/A</u> Project Owner:				City:																											
Project Name: <u>Lucas SWD</u>				State: Zip:																											
Project Location: <u>Fddy Co</u>				Phone #:																											
Sampler Name: <u>Sue Lowry</u>				Fax #:																											
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING		TDS Chloride													
										GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME															
		H901273																													
		1 2101				6 2		1						X		4/18/14 1:25		X													
		2 0201				2 2		1						1		1:30		1													
		3 2201				2 2		1						1		1:00		1													

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Relinquished By: <u>Sue Lowry</u>		Date: <u>4-8-19</u>	Received By: <u>Humana Oldakge</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: <u>1420</u>	Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
		Date:			REMARKS:	
		Time:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>0.6c #97</u>			Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <u>TS.</u>	





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)

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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					

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

Chloride, SM4500CI-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					

**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						

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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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Celey 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

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Relinquished By: <i>Geel Joney</i>		Date: <i>4/10/19</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <i>10:30</i>		Time: <i>12:15</i>	<i>Martha Turner</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Martha Turner</i>				Received By: <i>Jodi Skenson</i>	REMARKS:
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other: <i>0.6% / #97</i>		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<i>[Signature]</i>	