RECEIVED

By OCD; Dr. Oberding at 7:59 am, Mar 06, 2015

### **SECTION ONE**

### **SUMMARY OF ACTIVITIES**

The Caprock Maljamar Unit 152 site was delineated utilizing 5 sample points. (See Site Map) Deepest contamination of chlorides was located at Sample Point 5 and cleaned up at 35 feet. Attached analytical data confirms sampling activities. No Total Petroleum Hydrocarbons were reported to be released.

A polygon was excavated around the Sample Points to a depth of 20-26 inches. It was at those depths that the nearly impervious cap-rock was found. As per the request of the New Mexico Oil Conservation Division (OCD), the cap-rock was not removed or disturbed through excavation. (See Excavation Plan in Site Map Section)

Sidewall samples were taken at half the depth of excavation in numerous places in order to ensure no actionable levels of chlorides remained. No sidewall samples were taken near pump-jack due to the inability to excavate closer for fear of disturbing the integrity of the pump-jack foundation. (See Analytical Section)

Where the release ran onto the reserve pit, a 6-inch scrape was performed in order to remove as much contamination as possible without compromising the liner on top of the reserve pit.

Excavated area was backfilled with clean gypsum (caliche) and compacted in order to help shield the chlorides beneath from precipitation which could carry the chlorides further down. A berm was constructed out of caliche to separate the well pad from the reserve pit in order to prevent any future release that might occur from running on top of the reserve pit. (See Photo section)

Site was not seeded as entire release occurred on the pad.

### **SECTION TWO**

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Revised August 8, 2011

Form C-141

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

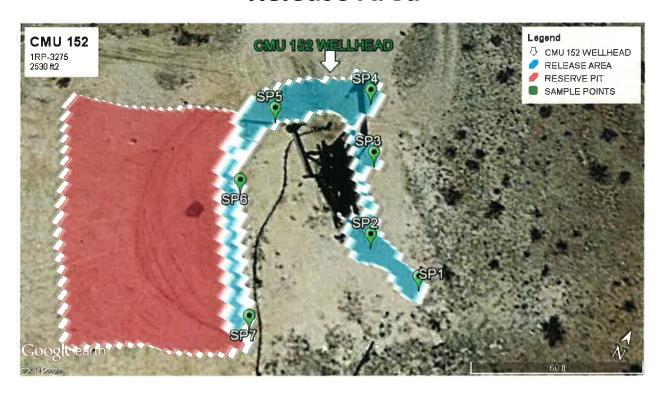
		Kelea	ase Notificat	ion	and Col	rective Ac	tion				
					OPERAT	OR		Initial	Report	$\boxtimes$	Final Report
Name of Comp	any Linn Operati	ng Inc.				E.L. Gonzales			3	_=	
	W Bender Blvd H		M 88240		Telephone N	No. 575-738-17	739				
Facility Name	Caprock Maljam	ar Unit#	152		Facility Typ	e Oil produc	er				
Surface Owner	Stata		Mineral Ow	nor				A DI No	30-025	32042	,
Surface Owner	State		I willieral Ow	ner				AFI NO.	. 30-023	-32042	<u>.                                      </u>
				ON	OF REL	EASE					
	ection Township	Range			South Line	Feet from the		West Line	County		
K	17   17S	33E	1355		South	1351		West		Lea	
L											
		Latitu	de 32.8310476393 NATUI		Longitude F RELE		1149				
Type of Release						Release 30 bbls		Volume R			25 bbls
Source of Release						lour of Occurrenc	e	Date and I	Hour of D	iscovery	/
Was Immediate N		L 37	1 N N - 4 D		If YES, To		l D4	ahan XIM O	CD / Tam	aa Ohor	udin a OCD
			No Not Requ	ıırea		son – BLM / Mil				as Obei	unig-OCD
	an Wall / Theresa Mc	Cracken				lour 08/25/2014			0958		
Was a Watercour		Yes 🗵	1 No		II YES, VO	lume Impacting t	ne wat	ercourse.			
If a Watercourse	was Impacted, Descr	ibe Fully.									
	of Problem and Reme										
	apper on it, but water							ell in and go	ot leak to s	top, Th	en I notified
my foreman. I go	t a vacuum truck to p	nck up wa	ter off of ground, he	ріске	ed up 25bbls (	of produced water	ſ <b>.</b>				
	ny foreman. I got a vacuum truck to pick up water off of ground, he picked up 25bbls of produced water.  Describe Area Affected and Cleanup Action Taken.* The area affected was to the south app. 25' long and 4' wide, and to the north it ran 35" long and										
Describe Area Al	ffected and Cleanup	Action Tak	cen.* The area affe	cted	was to the sou	ith app. 25' long a	ınd 4' w	ride, and to t	he north it	t ran 35'	long and
was 3' wide. Whi	le I had the vacuum t	ruck I cha	nged the packing &	greas	ed well, then	returned well to p	roducti	on.			
Directions to site	: Turn on dog lake ro	and north	eff of 520, as 6/10 m	sila ta	aton aign tu	m right onto maga	ooloro r	d ao to ton	of can tur	n laft or	nto
	go 6miles to tomaha										
	Il you come to a 3 wa							o, 8	<i>y</i> = = = = = =		,
I hereby certify th	hat the information g	iven above	is true and complet	e to th	ne best of my	knowledge and u	ndersta	nd that pursu	uant to NN	AOCD 1	rules and
regulations all op	perators are required t	o report ar	nd/or file certain rele	ase n	otifications ar	nd perform correct	tive act	ions for rele	ases whic	h may e	endanger
public health or the	he environment. The	acceptano	ce of a C-141 report	by the	e NMOCD m	arked as "Final Ro	eport" (	loes not relie	eve the op	erator o	fliability
	ations have failed to										
	nt. In addition, NMC local laws and/or regu		otance of a C-141 rej	ort a	oes not renev	e the operator of i	respons	ionity for co	шрпансе	willi ali	y omer
rederal, state, or i	local laws and/or regi	nutrons.				OIL CONS	SFRV	ATION	DIVISI	ON	
8	20/	2				OIL COIN	<u>JLIC V</u>	TITIOIT	DIVIOI	OII	
Signature:	Jamesler										
D: (1)				.	Approved by	Environmental S <sub>1</sub>	pecialis	t:			
Printed Name: /I	3.L. Gonzales			-							
Title: Production	n Supervisor				Approval Dat	e:		Expiration I	Date:		
					0 11.1						
E-mail Address:	elgonzales@linnene	rgy.com		_	Conditions of	Approval:			Attache	d 🔲	
Date: 03/05/20	15	Phone	: 505-504-8002								

<sup>\*</sup> Attach Additional Sheets If Necessary

### **SECTION THREE**

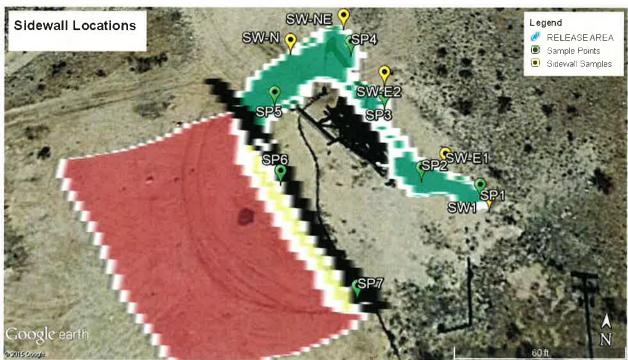
### SITE MAP

### **Release Area**



### **Excavation Plan**





### **SECTION FOUR**

### **PHOTOS**

### Release







### Remediation

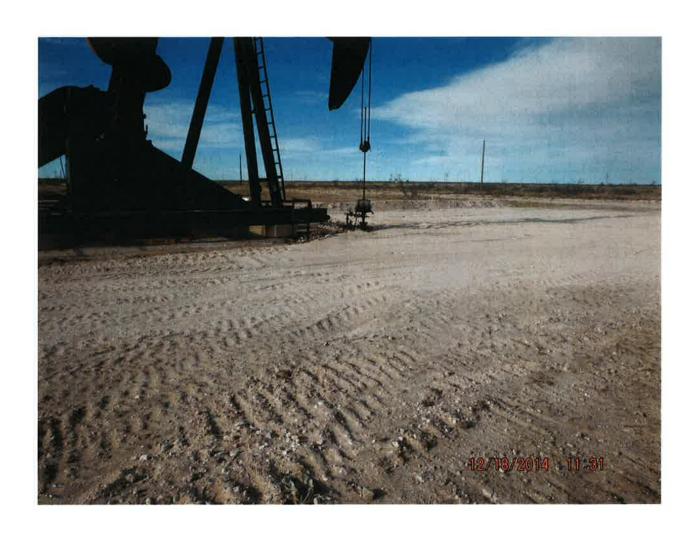


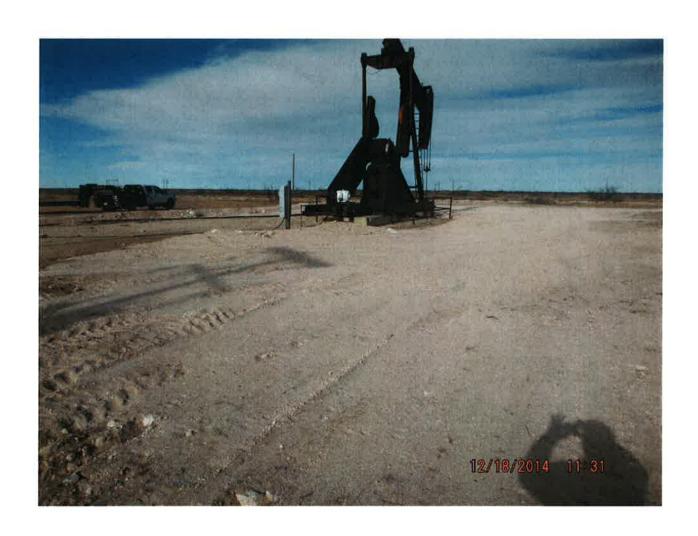




### **Remediation Completed**







### **SECTION FIVE**

### ANALYTICAL LABORATORY REPORTS Sample Summary

PK	OJECI	<u>CIVIU 1</u>	52
Sample #	Depth/FT	<b>CHLORIDES</b>	<u>TPH</u>
SP1	SURFACE	12300	N/A
SP1	3	768	N/A
SP1	20	96	N/A
SP2	SURFACE	40800	N/A
SP2	4	3160	N/A
SP2	15	304	N/A
SP3	SURFACE	39200	N/A
SP3	4	736	N/A
SP4	SURFACE	32000	N/A
SP4	2	848	N/A
SP5	SURFACE	35600	N/A
SP5	4	2080	N/A
SP5	35	80	N/A



September 09, 2014

BRIAN WALL LINN OPERATING-HOBBS 2130 W. BENDER HOBBS, NM 88240

RE: CMU #152

Enclosed are the results of analyses for samples received by the laboratory on 09/02/14 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celeg & Keine

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:

LINN OPERATING-HOBBS **BRIAN WALL** 2130 W. BENDER HOBBS NM, 88240

Fax To:

(575) 738-1740

Received: Reported: 09/02/2014

09/09/2014

CMU #152

Project Name: Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

09/02/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

### Sample ID: SP 1 @ SURFACE (H402699-01)

Chloride,	SM4500CI-B
-----------	------------

Chloride

**`**ˈloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result 12300 Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 09/09/2014 Method Blank

ND

BS 416

BS

416

% Recovery 104

True Value QC 400

RPD 0.00

RPD

0.00

Qualifier

Qualifier

### Sample ID: SP 2 @ SURFACE (H402699-02)

Chloride,	SM4500CI-B	

Analyte

Result

40800

Result

39200

Analyzed By: AP

Method Blank

ND

% Recovery

104

True Value QC

400

Sample ID: SP 3 @ SURFACE (H402699-03) Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Reporting Limit 16.0

Analyzed 09/09/2014

Analyzed

09/09/2014

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

0.00

Qualifier

Sample ID: SP 4 @ SURFACE (H402699-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Result 32000 Chloride

Reporting Limit

16.0

Analyzed 09/09/2014 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Colog I treene ..

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

LINN OPERATING-HOBBS **BRIAN WALL** 2130 W. BENDER HOBBS NM, 88240

Fax To:

(575) 738-1740

Received:

09/02/2014

Sampling Date:

09/02/2014

Reported:

09/09/2014

Sampling Type:

Soil

Project Name:

CMU #152

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sample Received By:

Jodi Henson

### Sample ID: SP 5 @ SURFACE (H402699-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	35600	16.0	09/09/2014	ND	416	104	400	0.00	

Cardinal Laboratories \*=Accredited Analyte

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Celeg to trees -



### **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

Cardinal Laboratories \*=Accredited Analyte

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Colleg I treena-



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(5	(575) 393-2326 FAX (575) 393-24/6	76	07 1119		AN	ANALYSIS REQUEST	EST
Company Name:	City organize + 2	Samo	DILL IV			- 1	
Project Manager:	For Rancey		7.O. #				
Address:	9	C	Company: LINK				
City:	State:	Zip: A	Attn: Brien boul			_	
Phone #:	Fax #:	Α	Address:				
Project #:	Project Owner:		City:				
Project Name:	Cmn 152	S	State: Zip:				
Project Location:		P	Phone #:				
Sampler Name:	richb	T	1				
aco TRE ORF		MATRIX	PRESERV. SAMPLING	G			
		ERS ATER		-			
Lab I.D.	Sample I.D.	L UDGE	THER CID/BASE E / COOL THER	<u>ک</u> 7			
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PLEASE NOTE: Lubbing and Damayor analyses. All plaints including those for	regigence and any other cu	in provide to seek to purch, spok a ten to seek a coporate coporate de provide de provide de provide seek a co Est, o debadado test della Coporate por de posson della Coporate della costa della coporate del provide seek a As do test applicate della completa della completa della coporate della coporate della coporate della coporate	and parameters and adjustment of the second state of the process o	of the company of the strength per strength			
Relinquished By	out of or liquided to the performance of	Regelved By:	Commandation with 51 are access access to	Phone Result: Yes	N S	Add'l Phone #: Add'l Fax #:	
	11	1	201100	REMARKS:			

5.40

Sample Condition
Cool Intact
Pes Pres

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinquished By:

Time:

flunnels 27 @ gmail.com



September 15, 2014

BRIAN WALL LINN OPERATING-HOBBS 2130 W. BENDER HOBBS, NM 88240

RE: CMU #152

Enclosed are the results of analyses for samples received by the laboratory on 09/09/14 16:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/ga/lab-accred-certif.html">www.tceq.texas.gov/field/ga/lab-accred-certif.html</a>.

Cardinal Laboratories is accreditated 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.

Celeg D. Keens

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:

LINN OPERATING-HOBBS **BRIAN WALL** 2130 W. BENDER HOBBS NM, 88240

Fax To:

(575) 738-1740

Received:

09/09/2014

Sampling Type:

09/09/2014

Reported:

09/15/2014

Sampling Date:

Soil

Project Name:

CMU #152

Sampling Condition:

\*\* (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LEA COUNTY, NM

Sample ID: SP 1 @ 3 ' (H402801-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Analyte

Analyte

Result

Analyzed

Method Blank

% Recovery

True Value QC

RPD

Qualifier

Chloride

768

16.0

Reporting Limit

Reporting Limit

09/11/2014

ND

BS 400

100

400

0.00

Sample ID: SP 1 @ 20 ' (H402801-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

RPD

0.00

`ካloride

Result

96.0 16.0

Analyzed 09/11/2014 Method Blank ND

BS 400 % Recovery 100

True Value QC 400

Qualifier

Sample ID: SP 2 @ 4 ' (H402801-03)

Chloride, SM4500Cl-B

Analyzed By: AP

Method Blank

BS

% Recovery

Chloride

Chloride

3160

Result

Reporting Limit 16.0

Reporting Limit

16.0

09/11/2014

Analyzed

ND

400

100

True Value QC

RPD

Qualifier

Result

304

Analyzed By: AP

ND

BS

400

400

0.00

Sample ID: SP 2 @ 15 ' (H402801-04)

Chloride, SM4500CI-B

mg/kg

Analyzed

09/11/2014

Method Blank

% Recovery 100

True Value QC 400

RPD

0.00

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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Ceder I treens -

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



### Analytical Results For:

LINN OPERATING-HOBBS **BRIAN WALL** 2130 W. BENDER HOBBS NM, 88240

Fax To:

(575) 738-1740

Received:

09/09/2014

Reported:

09/15/2014

Project Name:

CMU #152

Project Number: Project Location:

Analyte

Analyte

NONE GIVEN LEA COUNTY, NM

Sampling Date:

09/09/2014

Sampling Type:

Soil

Sampling Condition:

\*\* (See Notes)

Sample Received By:

Kathy Perez

Sample ID: SP 3 @ 4 ' (H402801-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Result Reporting Limit Analyzed

Method Blank

BS

% Recovery 100

True Value QC

RPD

Qualifier

Chloride

^hloride

Chloride

Chloride

736

16.0

09/11/2014

ND

400

400

0.00

RPD

0.00

Sample ID: SP 4 @ 2 ' (H402801-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

RS % Recovery

True Value QC

Qualifier

Result 848

09/11/2014

Analyzed

Method Blank ND

ND

400

BS

400

100

400

Sample ID: SP 5 @ 4 ' (H402801-07)

Chloride, SM4500CI-B

Reporting Limit

16.0

Analyzed By: AP

Analyte

Result 2080

80.0

Reporting Limit 16.0

16.0

Analyzed

09/11/2014

Method Blank

% Recovery

True Value QC

400

RPD

0.00

Qualifier

Sample ID: SP 5 @ 35 ' (H402801-08)

Chloride, SM4500CI-B

Analyte

mg/kg

mg/kg

Analyzed By: AP

Result Reporting Limit

Analyzed

09/11/2014

Method Blank

ND

BS 400

% Recovery 100

100

True Value QC

400

RPD 0.00 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by ckent, its subsidiances, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laborationes.

Calley to treens -

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg L. Keine -



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[414] 444 Lond 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200	
12 10 H	- Services - 5011	No.
And the state of t	. Y	
City: State:		
ie #	Address:	
	er: City:	
Project Name: CML /52	State: Zip:	
Project Location: Let ( 3	Phone #:	
Robin K	Fax #:	
FOR LAB USE CHUY	S ER R WATRIX	SAMPLING
Hydasol Sample I.D.	G)RAB OR (C)C # CONTAINERS GROUNDWATE WASTEWATER SOIL OIL SLUDGE OTHER ACID/BASE ICE / COOL OTHER	DATE TIME
53/5 - 53/5 - 53/5	# C GF W/ SC OIII SL OI GC OI	C
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6 5016 2		06
5 6 5 5 A	99	ly Colo
	•	•
PLEASE NOTE: The property of t	tus Tustina is non-	s stall de l'immandre de la de By (il l'immandre de l'imma
Relinquished By: Date:	Received By:	Phone Result:
Relinquished By:	Received By:	( Carried ) ( 6 pm.) (86
(Circle One)	Sample Co	
Sampler- OPS - Bus - Omer:	₹100 €	



November 12, 2014

BRIAN WALL LINN OPERATING-HOBBS 2130 W. BENDER HOBBS, NM 88240

RE: CMU #152

Enclosed are the results of analyses for samples received by the laboratory on 11/07/14 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/qa/lab-accred-certif.html">www.tceq.texas.gov/field/qa/lab-accred-certif.html</a>.

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

Method EPA 552.2 Haloace

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.

Celeg D. Keene

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:

LINN OPERATING-HOBBS **BRIAN WALL** 2130 W. BENDER HOBBS NM, 88240

Fax To:

(575) 738-1740

Received:

11/07/2014

Reported:

11/12/2014

Project Name: Project Number:

Project Location:

CMU #152 NONE GIVEN

192

Result

176

LEA COUNTY, NM

Sampling Date:

11/06/2014

Sampling Type:

Sampling Condition: Sample Received By: \*\* (See Notes)

Soil

Jodi Henson

Sample ID: SW1 - SOUTH (H403431-01)

Chloride, SM4500CI-B

Chloride

ጎloride

Analyzed By: AP

Analyte

Analyte

Result

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 11/11/2014 Method Blank ND

BS 448 % Recovery 112

True Value QC 400

True Value QC

400

RPD

RPD

11.3

Qualifier

Qualifier

Sample ID: SW1 - EAST (H403431-02)

Chloride, SM4500CI-B

mg/kg

Analyzed

11/11/2014

Analyzed By: AP

Method Blank

ND

BS

448

% Recovery

112

11.3

Sample ID: SW2 - EAST (H403431-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/11/2014	ND	448	112	400	11.3	

Cardinal Laboratories

\*=Accredited Analyte

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Ceder Z. treens -

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



### **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 SM4500CI-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

Cardinal Laboratories \*=Accredited Analyte

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Celey L. Keena -



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	To the Control of	BILL TO	
누	P.O. #		
Address:		Company:	
City:	State: Zip: Attn:		
Phone #:	Address		
Project #:	Project Owner: City:		
Project Name: Class #153	State:	Zip:	
Project Location:	Phone #:		
Sampler Name:	Fax #:		
104 148 188 OHAY	MATRIX	ERV. SAMPLING	
Lab I.D. Sample I.D.	B OR (C)OMF ITAINERS NDWATER EWATER GE R		
H403431	# CON	OTHER DATE TIME	
7 5 m 1 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	611	1.5 2 52. 54.7-11	
	5	11 614 258	
CEASE NOTE: THE TOTAL OF THE STORY OF THE ST	REASE NOTE: Looks and Ormore Commits Noter and allers socious and the action along white causes to what is not all the action and the description of the social parties of the action and the action of the action o	to learling to the greatest paging the claims for the cust we will not some and consistent of the graduate two to poster morning or pages to example the two to poster morning or pages to the two to poster morning or the page to the two to poster morning or the page to the two to poster morning or the page to the two to to two to two to the two to two two two two two to two two two two two two two two two two two two two two	
Relinquished By:	Time: // // Received By:	Phone Result: Yes No Fax Result: Yes No REMARKS: (1-10-10-10-10-10-10-10-10-10-10-10-10-10	No Add'i Phone #: No Add'i Fax #:

Cool Intact

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:



November 14, 2014

BRIAN WALL LINN OPERATING-HOBBS 2130 W. BENDER HOBBS, NM 88240

RE: CMU #152

Enclosed are the results of analyses for samples received by the laboratory on 11/13/14 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/qa/lab-accred-certif.html">www.tceq.texas.gov/field/qa/lab-accred-certif.html</a>.

Cardinal Laboratories is accreditated 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.

Celeg & Keine

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:

LINN OPERATING-HOBBS BRIAN WALL 2130 W. BENDER HOBBS NM, 88240

Fax To:

(575) 738-1740

Received:

11/13/2014

Reported:

11/14/2014

Project Name: Project Number: CMU #152 NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

11/13/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

### Sample ID: SW - NORTH EAST (H403491-01)

Chloride, SM4500Cl-B

mg/kg

944

Analyzed By: AP

Analyte

Chloride

Result Reporting Limit

16.0

Analyzed 11/14/2014

Method Blank ND BS 400 % Recovery 100

True Value QC 400 RPD 3.92 Qualifier

### Sample ID: SW - NORTH (H403491-02)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>ាloride</b>	1760	16.0	11/14/2014	ND	400	100	400	3.92	

Cardinal Laboratories \*=Accredited Analyte

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Colleg Z. Keens -

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 SM4500CI-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

Cardinal Laboratories \*=Accredited Analyte

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Celeg & Keine -



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: 6 1 / Products +	50,0,00	BILL TO		ANALYSIS REQUEST	
3.		P.O. #:			
		Company: LIN	*		
City: State:	Zip:	Attn: J. L For Zales			
Phone #: Fax #:			2		?
Project #: Project Owner:	er	City:			
Project Name: CMN 152		State: Zip:			
Project Location: Loc County		Phone #:			
Sampler Name: Robbin Runnels		Fax #:	4		
EOR LAB USE CALLY	MATRIX	PRESERV. SAMPLING			
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER ACID/BASE ICE / COOL OTHER	TIME		
2 Sci- North	4	16/3/41040	7		
Brook forth					
PLASE VIII. The process of the section of the secti	ATT SHIP I IS NO WRITE CHAND TO SEE THE SHEAT TO SEE AND SEE	TO THE STATE OF THE TOP CONTRACTOR THE CONTRACTOR OF THE CONTRACTO	pien to the fon of the applicable busoid a rev		
Relinquished By:  Date: 1/2/19  Tune: 35  Relinquished By:  Time:	Regelived By:	Pho Fax REM	Phone Result:	Add'l Phone #: Add'l Fax #:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact Wes Pives	CHECKED BY:			
	r				



November 20, 2014

E.L. GONZALES LINN OPERATING-HOBBS 2130 W. BENDER HOBBS, NM 88240

RE: CMU #152

Enclosed are the results of analyses for samples received by the laboratory on 11/17/14 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited 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.

Celeg D. Keine

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



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

### Analytical Results For:

LINN OPERATING-HOBBS E.L. GONZALES 2130 W. BENDER HOBBS NM, 88240

Fax To:

(575) 738-1740

Received:

Chloride, SM4500CI-B

11/17/2014

Reported:

11/20/2014

Project Name: Project Number: CMU #152 NONE GIVEN

Project Location:

LEA COUNTY, NM

mg/kg

Sampling Date:

11/17/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

### Sample ID: SW - NORTH (H403532-01)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	11/18/2014	ND	400	100	400	0.00	

Analyzed By: AP

Cardinal Laboratories \*=Accredited Analyte

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Colleg & Keine -



ND

### **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

\*=Accredited Analyte Cardinal Laboratories

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College T. France -



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manager:	Je Mices	BILL TO	ANALYSIS REQUEST
27.1.2	0.		
City: State:		Y	
Phone #: Fax #:	Attn: 5	L forzales	1
Project #: Project Owner:		<i>G</i> .	*
CMW 152		7::	
Project Location: Les Conta	2 6	ZIP:	
Sampler Name: Robbe Kunnel	Phone #:	.5	
POR LAB USE ONLY	MATRIX PRESERV	SERV. SAMPLING	
Lab I.D. Sample I.D.	IDWATER WATER		140
H403532	- # CONT	OTHER TIME	
		7,700	
26 6 6 1 A 7 7			
mate fol neglejence and any	A S	of individual cooks shall be invested to the amount paid by the dispet U.D.  In each or other contents to Caustine within 20 days about confident of the approaches fath actions where it is used to this invested or later. On accordance in:	
ned By:	Received By:	t: O Yes O	11
Relinquished By:	Baceived By: Almal	REMARKS:	No Add'I Fax#
Delivered By: (Circle One)	c	Trunne & 27	Thunne 1076 gmail. Com
	Sample Condition CHEC	NED BY:	