

October 25, 2011

RECEIVED

NOV 3 0 2011

NMOCD ARTESIA

Mr. Mike Bratcher
NMOCD District 2
1301 West Grand Avenue
Artesia, NM 88210

AMARILLO 921 North Bivins Amarillo, Texas 79107

Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622

ARTESIA

408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.746.8905

AUSTIN

9ff West Anderson Lane Suite 202 Austin, Texas 78757 Phone 5f2.989.3428 Fax 5f2.989.3487

HOBBS

318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658

MIDLAND

2901 State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

SAN ANTONIO

II Commercial Place Schertz, Texas 78154 Phone 210.265.8025 Fax 210.568.2191

TULSA 525 South Main Street Suite 535 Tulsa, Oklahoma 74103 Phone 918.742.0871 Fax 918.382.0232

ENVIRONMENTAL CONSULTING ENGINEERING

DRILLING CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING Subject: Remediation and Closure Report

Devon Energy Corporation Ore Ida 14 Federal No. 10 API # 30-015-29290 -- 2RP-798

Dear Mr. Bratcher,

Devon Energy Corporation has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced Ore Ida 14 Federal No. 10 release. The incident description, soil assessment, remediation activities and closure request are submitted herein.

Incident Date

May 11, 2011

Background Information

The Ore Ida 14 Federal No. 10 is located approximately thirty (30) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 14, Township 24 South and Range 29 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.21520 North and -103.94946 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Stony and Rough broken land. The local surface and shallow geology is Holocene to Pleistocene in age and is comprised of eolian sands and piedmont deposits which includes silty soils under lain with hard caliche. The New Mexico State Engineer web site indicates the nearest ground water data to be in S16-T24S-R29E. The ground water in Section 16 is reported to be at an average depth of 11' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is 20 based on the as following:

Depth to ground water <50'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

On May 11, 2011 a flow line was damaged causing a release of one hundred (100) barrels of produced water onto the lease road. There were no fluids recovered. The well was shut-in, the flow line was repaired and well was returned to service. The initial release from the flow line is located approximately 355-feet south along the lease road from Ore Ida 14 Federal No. 10. The release flowed south along the lease road in an area approximately 1,200-feet long by 11-15 feet wide.

Site Assessment

The analytical results of our site assessment generated for the work plan are detailed below:

May 26, 2011

	S-1		S-2		S-3		S-4	В	G S-1
Feet	Chlorides								
0'	41600	0'	64000	0'	43200	0'	23200	ō	16
2'	1920	2'	592	2'	288	2'	592	2'	**
4'	656	4'	1300	4'	3040	4'	688	4'	**
6' -	2040	6'	48	6'	32	6'	336	6'	**
8'	768	8'	208	8'	32	8'	160	8'	**
10'	384	10'	16	10'	**	10'	**	10'	**
12'	352	12'	144	12'	**	12'	**	12'	**

^{**}Not tested

August 16, 2001

Augu	ist 10, 200.	<u> </u>		,						
1	S-5		S-6		S-7		S-8		S-9	L
Feet	Chlorides	Feet	Chlorides	Feet	Chlorides	Feet	Chlorides	Feet	Chlorides	
1'	1410	1'	16	1'	176	1'	80	1'	464	
2'	288	2'	96	2'	288	2'	192	2'	544	
3'	432	3'	208	3'	512	3'	496	3'	448	
4'	528	4'	256	4'	272	4'	384	4'	96	
5'	432	5'	176	5'	192	5'	320	5'	48	
6'	416	6'	64	6'	64	6'	352	6'	48	
	S-10		S-11		S-12				•	
Feet	Chlorides	Feet	Chlorides	Feet	Chlorides					
1'	496	1'	880	1'	352					
2	592	2'	4040	2'	160					ĺ
3	576	3'	944	3'	624					
4'	416	4'	368	4'	240					
5'	544	5'	128	5'	160					
6'	336	6'	80	6'	176					

Remedial Closure Actions Taken

On August 26, 2011 Talon personnel mobilized to the site to begin excavation. The impacted soil from this release was excavated to a depth of 1-foot deep. Exceptions include the impacted area from S-11 to the end of the pooling are which was excavated to a depth of 2-feet deep. The excavated soil was transported to a NMOCD approved solid waste disposal facility.

Since the impacted area is an active lease road the excavated area was immediately backfilled after excavation using new material transported from a local borrow pit. The backfill material was contoured to match existing lease road. No confirmation samples were required, as per the approved work plan.

Conclusions and Recommendations

- Ground water in the project vicinity is 11-feet below land surface per the New Mexico State Engineer Database.
- The impacted area has been excavated to a depth of 1 to 2 feet deep.
- Horizontal delineation for chlorides on excavated sidewalls was completed by testing on location using the field titration test method for chlorides as approved in the work plan.
- Based upon the results of the sampling and analytical program, all chemical parameters tested for are reported to be less than their respective Recommended Remedial Action Levels (RRALs), below the excavated depth.
- Therefore, on behalf of Devon Energy Corporation, we respectfully request that no further actions be required and that closure with respect to this release be granted.

Should you have any questions or if further information is required, please do not hesitate to contact us at 575.746.8768.

Respectfully submitted,

TALON/LPE

Mike Stubblefield

Project Manager

David J. Adkins District Manager District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

AND SHARE THE PROPERTY OF THE PARTY OF THE P

State of New Mexico Energy Minerals and Natural Resources

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

NOV 3 0 2011 Form C-141

Revised October 10, 2003

NMOCD AR District Office in accordance with Rule 116 on back

side of form

Release Notification and Corrective Action

			Kei	ease mount	auo	n and Co	orrective A	CHOIL						
						OPERA	ГOR		Initia	al Report	\boxtimes	Final Re	port	
Name of Co						Contact - R	oy White, Fore	eman						
		Rivers Hw		3ox 250			No. – <mark>575-513-1</mark>	741						
Facility Nar	ne – Ore I	da 14 Federa	1#10	·		Facility Typ	oe							
														
Surface Ow	ner			Mineral O	wner				Lease N	Jo. API # 30	-015-29	290 2RP-	798	
_ Surrace S W						N OF RE	FASE		<u> Dease 1</u>	10. AII 11 50	7-013 27	250 214	//0	
Unit Letter	Section	Township	Range	Feet from the		1/South Line	Feet from the	Fact/W	est Line	County				
I Edite	14	24S	29E	1780'	South		860'	East	CSt Line	Eddy		, a des about		
			La	atitude <u>32.215</u>	16	Longitud	le <u>-103.94927</u>							
				NAT	URE	OF REL	EASE							
Type of Relea	ase – Produ	ced Water					Release 100 bbls	s	Volume F	lecovered -	0- bbls			
Source of Re	lease - Abo	ove ground po	ly line wa	s run over			lour of Occurrenc	1		Hour of Dis	covery			
137 T 1'	. N	7' 0				5/11/11 - 1			5/11/11 -	10:00 pm				
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Requir						If YES, To Jim Amos	Whom?							
D WII O	D 1177.			quired										
By Whom? – Was a Watero			NOW LOOK LOOK			Date and Hour 5/12/11 – 9:10 am If-YES; Volume Impacting the Watercourse.								
was a water	Juise Reac	ilea /-	Yes 🛛				nume impacting t	ne water	course.					
If a Watercou	rse was Imj	pacted, Descri						<u> </u>		<u>.</u>				
	CD 11		11 1 4 .1	7 1 4										
Describe Cau				r Taken.* causing damage to	the li	na releccina 16	00 bbla of produce	ad water	with 0 hhl	n raaayarad				
A truck flat i	an over an	acove ground	poly inic	causing damage ic	ine n	ne releasing 10	o obis of produce	ed water	with 0 bor	s recovered.			ļ	
Describe Area	Affected a	ind Cleanup A	ction Tak	en.*									\neg	
Talon/LPE ex	cavated the	saturated soi	I from the	impacted lease r	oad to	a depth of 1-2	2 feet deep and ap	pproxima	itely 1,200)-feet in len	gth. Th	ne excava	ted	
material was	transported	to a NMOCL	approved	d Solid Waste disp to match existing	osal f	acility. Talon/	LPE backfilled th	ne area w	ith new m	aterial trans	ported	from a lo	cal	
borrow pit. 1	ne oackini	materiai was t	comoured	to match existing	iease i	oad.								
I hereby certif	y that the in	nformation give	ven above	is true and comple	ete to t	he best of my	knowledge and ur	nderstand	that purs	ant to NMO	OCD ru	les and		
regulations all	l operators a	are required to	report an	d/or file certain re	lease r	otifications an	d perform correct	tive actio	ns for rele	ases which i	nay en	danger	l	
public health	or the envir	onment. The	acceptanc	e of a C-141 repor	t by th	e NMOCD ma	rked as "Final Re	eport" do	es not reli	eve the opera	ator of	liability		
or the environ	perations na	ive tailed to a	dequately	investigate and retance of a C-141 re	mediai	le contamination	on that pose a thre	eat to gro	und water,	surface wat	er, hun	nan health	1	
federal, state,	or local law	s and/or regu	lations.	ance of a C-141 to	sport c	ioes not reneve	the operator of the	esponsio	inty for co	impirance w	itti atty	other	1	
			`				OIL CONS	SERVA	TION	DIVISIO	N		\neg	
a.		Te-			1					 : .,	=		1	
Signature:												•		
Printed Name:	David A	dkins, TALC	N/LPE		1	Approved by I	District Superviso	r:					1	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												
Title:	Agent/D	evon Energy		·		Approval Date	:	E	epiration D	ate:				
r^ 11 4 11		(34-1 1				0 11.1						. —		
E-mail Addres	s: dadkins	wtaionipe.co	m			Conditions of	Approval:		Attached					
Date: 11/14/1	1		Phone	e: 575-746-8768										



August 16, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ORE IDA 14 FEDERAL NO. 10

Enclosed are the results of analyses for samples received by the laboratory on 06/27/11 11:30.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celey 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



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/27/2011

.

Sampling Date:

06/23/2011

Reported:

08/16/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

** (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

Sample ID: S - 5 1' (H101321-01)

Chloride, SM4500Cl-B	mg.	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	1410	16.0	06/27/2011	ND	416	104	400	3.92	
Sample ID: S - 5 2' (H10	01321-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/27/2011	ND	416	104	400	3.92	
Sample ID: S - 5 3' (H10	01321-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/27/2011	ND	416	104	400	3.92	
Sample ID: S - 5 4' (H10	01321-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	06/27/2011	ND	416	104	400	3.92	

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Celeg D. Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

06/27/2011 Received: Reported: 08/16/2011

Project Name: ORE IDA 14 FEDERAL NO. 10

Project Number: 700794.012.01

Project Location: ULI-14-T24S-R29E Sampling Date:

06/23/2011 Soil

Sampling Type:

Sampling Condition: ** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: S - 5 5' (H101321-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/27/2011	ND	416	104	400	3.92	
Sample ID: S - 5 6' (H10	1321-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	ŔPD	Qualifier
Chloride	416	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 6 1' (H10	1321-07)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S -6 2' (H10:	1321-08)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 6 3' (H10	1321-09)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/27/2011	ND	432	108	400	0.00	
							•		

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*=Accredited Analyte

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TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Fax To:

Received: Reported:

Chlorida CM4E00CLD

06/27/2011

08/16/2011

Project Name: Project Number: ORE IDA 14 FEDERAL NO. 10

700794.012.01

Project Location:

ULI-14-T24S-R29E

ma/ka

Sampling Date:

Sampling Type:

06/23/2011 Soil

.

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

Jodi Henson

Sample ID: S - 6 4' (H101321-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 6 5' (H101	321-11)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 6 6' (H101	321-12)								
Chloride, SM4500CI-B	CI-B mg/kg			d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 7 1' (H101	321-13)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 7 2' (H101	321-14)								
Chloride, SM4500Cl-B	mg	/kg <u>·</u>	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/27/2011	ND	432	108	400	0.00	

Applyand By: UM

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Celey D. Keene



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/27/2011

Sampling Date:

06/23/2011

Reported:

08/16/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

** (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

Sample ID: S - 7 3' (H101321-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/27/2011	ND	432	108	400	0.00	

Sample ID: S - 7 4' (H101321-16)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/28/2011	ND	432	108	400	0.00	

Sample ID: S - 7 5' (H101321-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/28/2011	ND	432	108	400	0.00	

Sample ID: S - 7 6' (H101321-18)

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/28/2011	ND	432	108	400	0.00	

Sample ID: S - 8 1' (H101321-19)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/28/2011	ND	432	108	400	0.00	

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Celeg D. Keens



TALON LPE

MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To: (575) 745-8905

Received:

06/27/2011

, Sampling Date:

06/23/2011

Reported:

08/16/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

** (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

Sample ID: S - 8 2' (H101321-20)

Ch	loride	SM4500CI	-1
CII	ioi iuc,	31743000	_

Analyzed By: HM

Reporting Limit

16.0

Analyzed

Method Blank

BS

% Recovery 108

True Value QC 400

RPD Qualifier

Chloride

Result 192

06/28/2011

ND

432

0.00

Sample ID: S - 8 3' (H101321-21)

Chloride, SM4500Cl-B

/kg	Analyzed	By: H	М

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/28/2011	ND	432	108	400	0.00	

Sample ID: S - 8 4' (H101321-22)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/28/2011	ND	432	108	400	0.00	

Sample ID: S - 8 5' (H101321-23)

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/28/2011	ND	432	108	400	0.00	

Sample ID: S - 8 6' (H101321-24)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/28/2011	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celicy D. Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

06/27/2011

Reported: Project Name: 08/16/2011

ORE IDA 14 FEDERAL NO. 10

Project Number: Project Location: 700794.012.01

mg/kg

Sampling Date:

06/24/2011

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Chloride, SM4500CI-B

ULI-14-T24S-R29E

Sample ID: S - 9 1' (H101321-25)

	9	,3							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/28/2011	ND	432	108	400	0.00	•
Sample ID: S - 9 2' (H10	1321-26)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 9 3' (H10	1321-27)								
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 9 4' (H10	1321-28)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 9 5' (H10	1321-29)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/28/2011	ND	416	104	400	3.77	

Analyzed By: HM

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TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

Received: Reported: 06/27/2011

08/16/2011

Project Name: Project Number: ORE IDA 14 FEDERAL NO. 10

Project Location:

700794.012.01

ULI-14-T24S-R29E

Sampling Date:

Sampling Type:

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

06/24/2011

Soil

Jodi Henson

Sample ID: S - 9 6' (H101321-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 10	1' (H101321-31)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM		···			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 10	2' (H101321-32)								
Chloride, SM4500Cl-B	mg	j/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 10	3' (H101321-33)								
Chloride, SM4500Cl-B	mg	j/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/28/2011	ND	416	104	400	3.77	
				i					
Sample ID: S - 10	4' (H101321-34)								
Chloride, SM4500Cl-B	mg	j/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/28/2011	ND	416	104	400	3.77	

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TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Analyzed By: HM

Received:

06/27/2011

Sampling Date:

06/24/2011

Reported:

Chloride, SM4500Cl-B

08/16/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

** (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

mg/kg

Sample ID: S -10 5' (H101321-35)

CHIOTICO, DITTIOGGI D	3	פיי זו		,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	06/28/2011	ND	416	104	400	3.77	
•	6' (H101321-36)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM		.			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 11	1' (H101321-37)								
Chloride, SM4500Cl-B	mg	g/kg	Analyzed By: HM						_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 11	2' (H101321-38)								
Chloride, SM4500CI-B	. mg	g/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	06/28/2011	ND	416	104	400	3.77	
Sample ID: S - 11	3' (H101321-39)								
Chloride, SM4500CI-B	mg	j/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	06/28/2011	ND	416	104	400	3.77	

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Received: Reported: 06/27/2011

08/16/2011

ORE IDA 14 FEDERAL NO. 10 Project Name: Project Number:

Project Location:

ULI-14-T24S-R29E

700794.012.01

Sampling Date:

Soil

Sampling Type: Sampling Condition:

** (See Notes)

06/24/2011

Sample Received By:

Jodi Henson

Sample ID: S - 11 4' (H101321-40)

Chloride, SM4500Cl-B	Chloride,	SM4500CI-B
----------------------	-----------	------------

mg/l	
------	--

Analyzed By: HM

Analyte

Result

368

Result

128

80.0

Reporting Limit 16.0

Analyzed 06/28/2011 Method Blank ND

BS 416

BS

416

104

% Recovery

True Value QC 400

RPD 3.77 Qualifier

Sample ID: S - 11 5' (H101321-41)

Analyte

mg/kg

Analyzed By: HM

Reporting Limit Analyzed

06/28/2011

Method Blank

ND

% Recovery

104

104

True Value QC

400

RPD

3.77

Qualifier

Chloride

Chloride

Sample ID: S - 11 6' (H101321-42)

Chlorid

de, SM4500CI-B		mg/i
Analyte	R	esult

Analyzed By: HM

9	/ ~ 9	Allalyz	٠.
			_
Result	Reporting Limit	Analyzed	

16.0

16.0

Method Blank

ND

BS 416

% Recovery True Value OC RPD

Qualifier

3.77

Chloride

Sample ID: S - 12 1' (H101321-43)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte Chloride

Result 352

Reporting Limit 16.0

Analyzed 06/28/2011

06/28/2011

Method Blank ND

BS 416

BS

% Recovery 104

True Value QC 400

400

RPD 3.77 Oualifier

Sample ID: S - 12 2' (H101321-44)

Chloride, SM4500CI-B

Analyzed By: HM

_		
		Analyte

Chloride

Result Reporting Limit Analyzed 160 16.0

06/28/2011

Method Blank ND

% Recovery 416 104

True Value QC 400

RPD

3.77

Qualifier

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TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

Received:

06/27/2011

Sampling Date:

06/24/2011

Reported:

08/16/2011

Sampling Type:

Soil

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

** (See Notes)

Project Name: Project Number:

700794.012.01

Jodi Henson

Project Location:

ULI-14-T24S-R29E

Sample Received By:

Sample ID: S - 12 3' (H101321-45)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: HM

Analyte

Result Reporting Limit 624

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 06/28/2011 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

Result

240

3.77

RPD

3.64

Qualifier

Sample ID: S - 12 4' (H101321-46)

Chloride, SM4500Cl-B

Analyte

Analyte

Analyte

Analyzed

06/28/2011

Analyzed By: HM Method Blank

ND

mg/kg

Analyzed By: HM

BS

448

% Recovery 112

True Value QC 400

Qualifier

Sample ID: S - 12 5' (H101321-47)

Chloride, SM4500CI-B

Analyzed

Method Blank

BS

% Recovery

Qualifier

Chloride

Result 160

06/28/2011

ND

448

112

% Recovery

True Value QC 400

RPD

Sample ID: S - 12 6' (H101321-48)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

True Value OC

3.64

Qualifier

Chloride

Result 176

Reporting Limit 16.0

Analyzed 06/28/2011 Method Blank ND

BS 448

112

400

RPD 3.64

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 11 of 18



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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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476 Company Name: , to Com BILL TO **ANALYSIS REQUEST** Project Manager: P.O. #: Address: Company: Intern State: L/17 Zip: \$3210 Attn: Fax #: 575-746-8905= Address: 012.01 Project Owner: DEVON Energy City: State: Project Name: Zip: Phone #: Project Location: Fax #: Sampler Name: MATRIX PRESERV. SAMPLING FOR LAB USE ONLY ACID/BASE: ICE / COOL Sample I.D. Lab I.D. H101321 DATE TIME 13 analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, alfiliates or successors arising out of or related to the performance of services remainder by Cardinal, repardless of whether such daim is based upon any of the above stated reasons or otherwise. Relinguished By: Phone Result: ☐ Yes □ No Add'l Phone #: .□ Yes □ No Add'l Fax #: Fax Result:

Relinquished By:

| Date | Dat

#26

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(505) 393-2326 FAX (505) 393-247	6																										
Company Name	Valen16PE									BI	LL TO	Ĵ							ANA	\LY:	SIS	RE	QUE	ST				
Project Manage	r:						F	°. <i>O.</i>	#:																			
Address: 🚧				9.2				Com	pan	y: ن	lason	1	1.PE	1 .	$\langle $													
City: [11][2]	sia State: [M]							Attn:	<u> </u>		···			_	1	-										-		
Phone #: 575	746-8768 Fax #: 575	. 8	ef.	ر. بريد	8903	; <u></u>	/		ress	:					0													
Project#: 70	0794.012.01 Project Owne	r: _F	120	(0)	27 juin	1783		City:						╝.	1	1							1					
Project Name:	One Ide 14 godesal	A.K.	10 0	7			9 ()	State):		Zip:			_	2											ļ		
Project Location	14-T245-R29E						F	hor	1e #:	:			۲	_ `	1						ŀ		ļ					
Sampler Name:	Mike Stabble Liele	To page					F	ax	#:						1	1							l					
FOR LAB USE ONLY	U	Π			MA	TRIX	(P	RES	ERV.	SAMPL	.1N	G]`						1								
Lab I.D.	Sample I.D.	(G) (G) RAB OR (C) OMP	# CONTAINERS	COUNDWATER	WASTEWATER SOIL		SLUDGE	OTHER:	I COOL	OTHER:				0 -2- 1	Motal													
H101321-		ÎΘ	7±	GR	WAS	√ē	정	5 5	<u> </u>	ō	DATE	1	TIME	-					-	-	\dashv		—	┷		-		
13	5-6 5'	15	ļ	L		_		_ _	_	1/	6:23:11	4	9:22p	_	4	-			ļ	-	_		ļ					
12	5-6-6'	162	<u> </u>	_	1/			_ _	- -	1/	6.2311	1	<u> ۱۲:۶</u>	12	4				-		_		<u> </u>	ــــــ	_ _	_ _		·
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15	5-73'	G	<u> </u>	_	1 /	1_		_ _		K	6.25.11	1	<u> </u>	12	4				<u> </u>	_ _	_		ļ		_ _			
1/0	5-241	6	_	_		1		_ _	-	1	6.25/11		<u>3:13,0</u>	<u> </u>	4	_			<u> </u>		_ -			-		-		
17	5.75'	G	_	ļ_				_ _	<u> </u>	10	6231	4.	3:15 <u>P</u>		4	-			-	j			 	-	- -			
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19.	5-8 /'	<u>G</u>	.	_	1			_	4	1	6.23.11	1	7.34P	<u>`</u>		-					_		<u> </u>		+			
20	5 - 3 Q and Damages, Cardinal's liability and client's exclusive remedy for	G			/	dine	27.201.00		liall had	Con Long	6.28.1		31366	7	\leq								<u> </u>	┸_	Ш.			
analyses. All claims include	no Damages. Caromai s isolary and cleans excusive remody to a my those for negligence and any other cause whatsoever shall be arclinal be liable for incidental or consequental damages, including	decme	d waiv	ed un	iless made	in writi	ng and re	aceived	t by Ca	rsinal v	within 30 days at	ller e	completion of	the ap	aplicable	2												
alliliates or successors orisi	ng not of or related to the performance of services bereunder by 0	Cardina	i, rega	cless	s of whether	rsuch	laim is I	based (ubon ar	y of the	e above stated r	285	ons or alheor	wise.	-	et 17			12.79									
Relinquished By	. \(\(\O/21///\)	R		/ea //	I By:	1/6	(ميرو	<u>\</u>	ĩ				Phone Re Fax Resu REMARK	ult:		□ Yes □ Yes		No No		'l Pho 'l Fax								
	GWELLAN PERSON DATES AND TIMES 30	Ro		Ż	By:		Li	W		- -/\			•															
Delivered By		a	•		Sample Cool	Col	iditio	n		(linit	ED BY: ials)																	
Sampler - UPS	- Bus - Other:	11.	1.5	2	Cool Ye	s [] o [Yes No		4	从	-		·····														,	
									- N																			

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: . BILL TO ANALYSIS REQUEST Project Manager: P.O. #: Company: Jalan Address: 💯 State: [10] Zip: 88210 Attn: Fax #: 575-746-8705 Address: 012.01 Project Owner: Delon France City: State: Zip: Project Location: Phone #: Sampler Name: Fax #: SAMPLING FOR LAB USE ONLY MATRIX PRESERV (G)RAB OR (C)ON Lab I.D. Sample I.D. ACID/BASE CE / COOI H101321 DATE TIME 20 analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cordinal be liable for incidental or consequental damages, including without limitation, business interructions, loss of use, or loss of profits incurred by client, its subsidiaries, Milator or successors initing out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquished By: Received By: Phone Result: ☐ Yes ☐ No |Add'l Phone #: ☐ Yes ☐ No Add'l Fax#: Fax Result: REMARKS: Received By: Time: Delivered By: (Circle One) CHECKED BY: Sample Condition

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Sampler - UPS - Bus - Other:



Cool Intact
☐ Yes ☐ Yes

-ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(505) 393-2326 FAX (505) 393-247	6																		_							
Company Name	Intemplet									A	3/	LLT	0	傳統語					ANA	LYS	IS R	EQU	EST				
Project Manager	;							P.O). #.	:														Т	\Box		
Address: 40)	W. Sepas						-	Cor	mpa	any.	4	alo	77/	LEPE-	_												
City: Bille	ole State: [M]	Zip:	8	21	0_			Attı	n:						1			İ		1					/		į
Phone #: 575	912 State: 1/19 746-8768 Fax #: 575°	. 7	16	29	05		İ	Ado	dre	ss:					10				1	1		}	-	İ	1	-	
Project #: 70	0794. 012.0/ Project Owner	: 1	C. M.	97		1 <i>00</i>	70	Ćity	y: _						1						1	1	İ		ŀ		
Project Name:	Ano The ill Dollars D.	160	. it)		,	9 91	Sta				Zip:			4					Ì		ļ			1		
Project Location	: 14-T345-R29E							Pho	one	#:					6					1	1	1]	1	
Sampler Name:	m 14-T245-R29E Mike Stabble Linkl	S. C. C. C. C. C. C. C. C. C. C. C. C. C.						Fax	(#:			7.			1			İ					İ	-			
FOR LAB USE ONLY	AB USE ONLY								PRI	SE	RV.	SAN	APLI	NG	10					1	- [ļ	İ	1	-	-	-
Lab I.D.	Sample I.D.	RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL		SLUDGE~	IER :	ACID/BASE:	ICE / COOL	OTHER:				-horas												
HID1321		(G)RAB	Ŭ #	GRG WAS	SS.	ᅙ	25	5	ACI	빙	등	DAT	TE	TIME	L												
31	5.10 1	G.			1						1	12.34	1.11	1013747	Z												
32	5-10 21	Ġ			1						7	10.29	1.11	10:39A	1		-					_ _					
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26

ARDINAL LABORATORIES 101 Fast Marland, Hobbs, NM 8824

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Company Name	: Jakon / 182							· : : : : : : : : : : : : : : : : : : :		Æ	3//	LL TO		· .					ANA	LYS	IS F	REQU	JES	T		
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City: Mila	012 State: LM - 5746-8768 Fax #: 675	Zip	: <i>}</i>	12	10			Att	n;						1					İ					Ì	
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Company Name	· Dalon [LP	E							類類		B	8L	L 70)	规键器	!				ANA	LYSI	S RE	QUE	ST			
Project Manage	r; ·								P.O	. #:																	
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Phone #: 5 75	-746-8768	Fax #: 第 55	75		14/6	89	05	>	Add	ires	s:							1		1							
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#26



May 26, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ORE IDA 14 FEDERAL NO. 10

Enclosed are the results of analyses for samples received by the laboratory on 05/24/11 10:21.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

05/24/2011

Sampling Date:

05/20/2011

Reported:

05/26/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

** (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

Sample ID: S - 1 0' (H101057-01)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte

Result Reporting Limit

Analyzed

Method Blank

BS

% Recovery

True Value QC 400

Qualifier

Chloride

Chloride

41600

Result

1920

16.0

05/26/2011

ND

448

112

RPD

3.64

Sample ID: S - 1 2' (H101057-02)

Chloride, SM4500CI-B Analyte

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: HM

Analyzed 05/26/2011

Method Blank ND

BS

448

% Recovery True Value QC

RPD Qualifier

3.64

Sample ID: S - 1 4' (H101057-03)

Chloride, SM4500Cl-B

mg/kg

mg/kg

Analyzed By: HM

Analyte

Analyte

Result

Reporting Limit Analyzed Method Blank

BS

% Recovery

112

Qualifier

Chloride

Chloride

656

Result

2040

16.0 05/26/2011

448

112

True Value QC 400

400

RPD 3.64

Sample ID: S - 1 6' (H101057-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyzed

05/26/2011

Method Blank

ND

ND

ВS

448

% Recovery

112

True Value QC 400

RPD 3.64 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 11



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

05/24/2011

Sampling Date:

05/20/2011

Reported:

05/26/2011

Soil

Sampling Type: Sampling Condition:

** (See Notes)

Project Name:

ORE IDA 14 FEDERAL NO. 10 700794.012.01

Sample Received By:

Jodi Henson

Project Number: Project Location:

Analyte

ULI-14-T24S-R29E

Sample ID: S - 1 8' (H101057-05)

Chloride, Si	M4500CI-B
--------------	-----------

mg/kg

Analyzed By: HM

% Recovery

True Value QC

Qualifier

RPD

3.64

Chloride

Result 768

Reporting Limit 16.0

Analyzed 05/26/2011 Method Blank ND

448

112

400

Sample ID: S - 1 10' (H101057-06)

Chloride, SM4500Cl-B	mg/l
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Chioride, SM45UUCI-B	mg,	кд	Analyze	а ву: нм					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/26/2011	ND	448	. 112	400	3.64	

Sample ID: S - 1 12' (H101057-07)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/26/2011	ND	448	112	400	3.64	

Sample ID: S - 2 0' (H101057-08)

Chloride, SM4500CI-B	mg,	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64000	16.0	05/26/2011	ND	448	112	400	3.64	

Sample ID: S - 2 2' (H101057-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/26/2011	ND	448	112	400	3.64	

Cardinal Laboratories

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Celeg & Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

05/24/2011

Reported:

05/26/2011

ORE IDA 14 FEDERAL NO. 10

Project Name: Project Number:

700794.012.01

Project Location:

ULI-14-T24S-R29E

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

05/20/2011

Sample Received By: Jodi Henson

Sample ID: S - 2 4' (H101057-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	05/26/2011	ND	448	112	400	3.64	
Sample ID: S - 2 6' (H101	057-11)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM		*			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/26/2011	ND	448	112	400	3.64	
Sample ID: S - 2 8' (H101	•	,							
Chloride, SM4500CI-B	mg	/kg	Anaiyze	d By: HM				····	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/26/2011	ND	448	112	400	3.64	
Sample ID: S - 2 10' (H10	1057-13)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/26/2011	ND	448	112	400	3.64	
Sample ID: S - 2 12' (H101	1057-14)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/26/2011	ND	448	112	400	3.64	

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Celey D. Keine



TALON LPE MIKE STUBBLEFIELD

408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

05/24/2011

Reported:

05/26/2011

Project Name:

ORE IDA 14 FEDERAL NO. 10

Project Number:

700794.012.01

Project Location:

ULI-14-T24S-R29E

Sampling Date:

Sampling Type:

05/20/2011 Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: S - 3 0' (H101057-15)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	43200	16.0	05/26/2011	ND	448	112	400	3.64	
Sample ID: S - 3 2' (H16	01057-16)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/26/2011	ND	448	112	400	3.51	
Sample ID: S - 3 4' (H10	01057-17)		•						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	05/26/2011	ND	448	112	400	3.51	
Sample ID: S - 3 6' (H10	01057-18)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM		-			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/26/2011	ND	448	112	400	3.51	
Sample ID: S - 3 8' (H10	01057-19)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/26/2011	ND	448	112	400	3.51	

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Celeg D. Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Analyzed By: HM

Received:

05/24/2011

Sampling Date:

05/20/2011

Reported:

Chloride, SM4500CI-B

05/26/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

** (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

ma/ka

Sample ID: S - 4 0' (H101057-20)

Chloride, SM4500CI-B	mg	/ Kg	Anaiyze	а ву: нм					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23200	16.0	05/26/2011	ND	448	112	400	3.51	
Sample ID: S - 4 2' (H10)1057-21)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/26/2011	ND	448	112	400	3.51	
Sample ID: S - 4 4' (H10)1057-22)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	ŘPD	Qualifier
Chloride	688	16.0	05/26/2011	ND	448	112	400	3.51	
Sample ID: S - 4 6' (H10)1057-23)								
Chloride, SM4500CI-B	, mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/26/2011	ND	448	112	400	3.51	
Sample ID: S - 4 8' (H10)1057-24)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/26/2011	ND	448	112	400	3.51	
•									

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



TALON LPE

MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To: (575) 745-8905

Received:

05/24/2011

Sampling Date:

05/20/2011

Reported:

05/26/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

** (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

Sample ID: BG S - 1 0' (H101057-25)

Chloride, SM4500CI-B	mg	/kg	Analyze	nalyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Chloride	16.0	16.0	05/26/2011	ND	448	112	400	3.51				

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Celeg D. Keine



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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Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(5/5) 393-2326 FAX	(3/3) 333-24/6															 								
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City: Arta	11a2	State: ////	Zip:	: 83					ttn:																
Phone #: 5757	441-7254	Fax #: 575	74	6.	391	25-		Α	ddr	ess:					3			1	1	1		1	1	ļ	1
Project #: 700	441-7254 0794.012.01	Project Owner:	کار	LL.	0%	1_		c	ity:					[.	16.	ĺ]					
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analyses. All claims include	ng those for negligence and any other ca	ause whatsoever shall be do	emed	waived	unless	made in	writing	and rec	eived	by Card	linal v	vithin 30 days af	er completion	of the a	applicable	e .									
atiliates or successors arisi	ordinal be liable for incidental or conseq ng out of or related to the performance of	of services hereunder by Ca	dinal,	regardi	ess of t	ehether s							esons or othe	rvise.			 			سحميب	-				
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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Warland, Hobbs, MW 38240 (575) 393-2326 FAX (575) 393-2476

Company Mame: Talkon / LPE			ANALYSIS REQUEST
Project Manager: Mike Ghubbled		·.O. #:	
Address: 408 W. Texas	C	company: Talon/LPE	
city: Arteria State: 1/1		tin:	
		ddress:	
Project #: 70(0)794.012.01 Project Own		ity:	8
Project Name: Ohlida: 14 Au	ENOU NO. 10 SI	tate: Zip:	
Project Location: 14-7245-R2 Sampler Marne: MIKA SALABLEY	9E P	hene #:	
Sampler Marme: Miko Stubbles	ield Fa	av #:	
FOR LABUSE ONLY	MATRIX	PRESERV. SAMPLING	
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	(C) WATE		
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H10057			
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LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy (c alyses. All daims including those for negligence and any other cause whatsoover shall b	e deemed violved unless made h vidling and rece	gived by Cardinal within 30 days after completion of the	applicable
rvice. In no event shall Cardinal he liable for incidental or consequental damages, includ filiates or euccessors utising out of an otated to the nationmones of services hereunder b			
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Delivered Cy: (Circle One)	Sample Condition Coel Intact	(highs)	
	July Cock Intact Yes Ves Ves		

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11

Laboratories

? Cardinal cannot accept verbal changes. Please fax written changes torning 1992-2076

Cool Intract

Yes 1 Yes

Old Old Old mention - eutil - 29U - heldmes. Delivered By: (Circle One) Sample Condition 1/2;01 1/02 /12/3 mia Ghelletil REMARKS: ☐ Yes ☐ No Add'l Phone #: :มีมลอภิ หลา Phone Result: drit 11:00 5 801.6 11:065 50°C 11.01.5 854:111:00:9 SLUDGE OTHER: ACID/BASE: LGOIGIH ICE/COOL TIME **DATE** WASTEWATER GROUNDWATER "O" aldruce .O.1 de.1 FOR LAS USE ONLY SAMPLING PRESERV XINTAM Sampler Name: 177 14 522 JAN 164 (010) ik ke-i Project Location: :# endn4 :diZ :eisi2 (1) Project Owner: City: Addiess: 0 _7d?/U010/: Nuedwoo Project Manager: M. M. 1 ₩ O.4 Company Name: Talan / LUL i i Pouting it ANALYSIS REQUEST 875-585 (878) XAH 3252-585 (878) ONSSS WW ,eddoH ,brishsW tasa for