

TALON

By OCD; Dr. Oberding at 9:37 am, Mar 27, 2015

March 20, 2015

Dr. Thomas Oberding NMOCD District 2

1625 N. French Dr. Hobbs, NM 88240

APPROVED

By OCD; Dr. Oberding at 9:42 am, Mar 27, 2015

AMARILLO 921 North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622

Subject:

Remedial Activities and Closure Report

Legacy Reserves Operating, LP

West Cap Queen Sand Unit Central Tank Battery

30-005-01100 (1RP-3192)

7

ARTESIA 408 West Texas Ave. Artesia, New Mexico 882I0 Phone 575.746.8768 Fax 575.746.8905

Dear Dr. Oberding

HOBBS

318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658 Legacy Reserves (Legacy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our remediation activities and closure request are submitted herein.

Background Information

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

The Legacy West Cap Queen Sand Unit Central Tank Battery (West Cap CTB) is located approximately 65 miles northwest of Hobbs, New Mexico. The legal location for this site is Unit Letter O, Section 17, Township 14 South, and Range 31 East in Chaves County, New Mexico. More specifically the latitude and longitude for the release are 33.0991667 North and -103.839515 West. A site plan is presented in Appendix I.

OKLAHOMA CITY 7700 North Hudson Avenue Suite IO Oklahoma City, Oklahoma 73II6 Phone 405.486.7030 Fax 806.467.0622

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Faskin Fine Sand. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of Holocene to lower Pleistocene Piedmont alluvial deposits. Drainage courses in this area are normally dry. Groundwater in the project vicinity is approximately 200-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. See Appendix II for the referenced groundwater data.

SAN ANTONIO 13111 Lookout Way San Antonio, Texas 78233 Phone 210.265.8025 Fax 210.568.2191

The ranking for this site is **0** based on the following:

Depth to ground water >100'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

Distance to surface water body

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION

SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

Lightning struck one of the fiberglass produced water storage tanks on location resulting in a release of 120bbls of produced water. No fluids were recovered, however all fluids were contained within the berms of the battery. Talon mobilized personnel to conduct a site assessment and soil sampling of the battery. The results of our soil sampling activities are summarized in the table below.

Laboratory Results

See Appendix III for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	1 7	ND	2800	ND	1250
S-1	4		544		
S-2	0	ND	18400	ND	ND
S-2	1	ND	5680	ND	ND
S-2	2	Sance Dr	272	i i i i i i i i i i i i i i i i i i i	da per
S-2	4		672		
S-1(confirmation)	2		416		

(--) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 5,000 mg/kg for TPH and 1,000 mg/kg for Chlorides.

Remedial Actions

- The impacted area in the vicinity of sample location S-1 was excavated to a depth of 2-feet bgs, using field chloride readings to guide the depth of the excavation. Once field data showed that the remaining soil in the vicinity of S-1 was below the NMOCD RRAL for total chlorides, a confirmation soil sample was obtained and analyzed at the lab to confirm field results. Results from our confirmation sampling activities are summarized in the data table above.
- Results from the laboratory analysis of the confirmation sample taken at sample location S-1 were submitted to the OCD prior to backfill operations. Permission to backfill was subsequently granted.
- The impacted area in the vicinity of sample location S-2 was excavated to a depth of 2-feet bgs.
- The narrow flow path along the western berm of the battery was hand excavated to a depth of 2-feet bgs.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- The battery was backfilled with caliche and contoured to match the surrounding location.

Closure

On behalf of Legacy Reserves Operating LP, we respectfully request that no further actions be required and that closure with regard to this release be granted.

If we can provide additional information or be of further assistance, please contact our office at (575)-746-8768.

Respectfully submitted, TALON/LPE

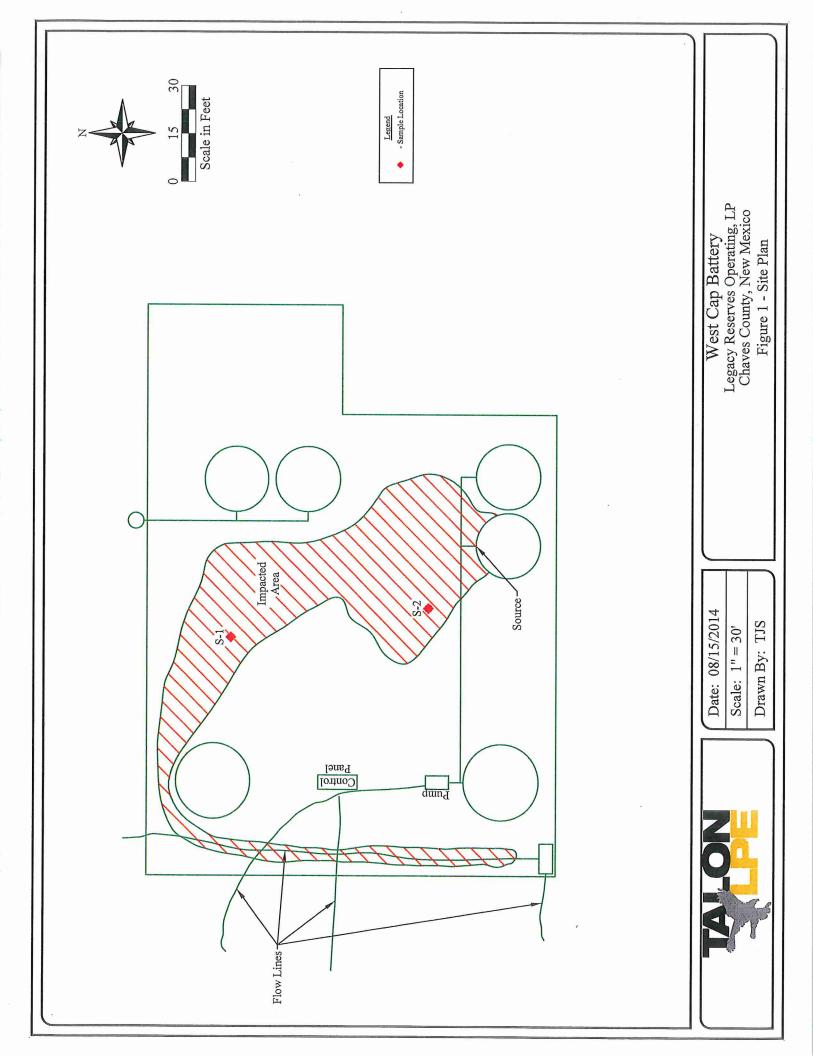
Sheldon Hitchcock

Project Manager

David J. Adkins

District Manager

SITE PLAN



GROUNDWATER DATA INITIAL C-141

&

FINIAL C-141



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

,	,					_	. ,		,		,	
I PERMIT	POD Sub-	Q	QC							Depth	Depth	Water
POD Number	Code basin Cou	inty 64	16 4	Sec	Tws	Rng	Х	Y	Distance		-	Column
RA 09984	C	H 4	2 2	28	14S	31E	610201	3660615* 🌑	2572	350		
L 03583	L L	E	2 4	23	14S	31E	613312	3661566* 🌑	4855	292	200	92
L 03583 S2	L L	E	2 4	23	148	31E	613312	3661566* 🎒	4855	340	258	82
L 03583 S	L L	E 2	4 2	23	14S	31E	613406	3662068*	4866	301	275	26

Average Depth to Water: 244 feet

> Minimum Depth: 200 feet

> Maximum Depth: 275 feet

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 608569

Northing (Y): 3662603

Radius: 5000

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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

				%T / *C*		1.0	/ * i	, T			-	
			Kere	ease Notific	cattor	i and Co	orrective A	ction	l			
						OPERA'	FOR			al Report		Final Report
		Legacy Rese					reddie Gibbs					
				and, TX 79701			No.: 432-221-6					
Facility Nau	ne: West	Cap Queen S	and Unit	#10		Facility Typ	e: Central Ta	nk Batt	tery			
Surface Ow	ner : STA	TE		Mineral C	wner:				API#:	30-005-01	100	
				LOCA	TIOI	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	West Line	County: C	HAVE	3S
0	17	14S	31E					<u> </u>				
			Latitud	e <u>33.0991667</u>	N	Longitue	de -103.83951	15 W				
				NAT	URE	OF RELI	EASE					
Type of Rele	ase : Produ	iced Water	·				Release: 120 bb	ls	Volume R	ecovered: -	0- bbls	
Source of Re	lease : Ligh	itening Strike	3			Date and H	Iour of Occurrence		Date and	Hour of Dis	overy:	7/21/14
Was Immedia	-1- 3T-() (7!		· · · · · · · · · · · · · · · · · · ·		7/20/14	77T 0					
was immedia	ate Notice (Yes [No 🗌 Not Re	eonired	If YES, To	o whom? IOCD/Tomas O	herdina				
By Whom?	Sheldon II			710 🖾 110110			lour : 7/21/14 @					
Was a Water							olume Impacting					
			Yes 🛭] No		11 120, 70	rumo impuomig	ino mai	oroourso.			
If a Watercon	irse was Im	pacted, Descr	ihe Fully *	<u> </u>	·····	L						
		•	•									
Describe Cau	se of Probl	em and Reme	dial Action	n Taken.* Lighte berms of the batte	ning stu	ck the produ	ced water tank ca	using a	release of 1	20 barrels. I	lo fluic	Is were
Describe Are	a Affected	and Cleanup A	Action Tak	ten.* The area ins	ide the f	acility contai	nment was impac	ted Tal	Ion/LPE wa	s contacted	for init	tial site
assessment a	nd soil sam	pling to genera	ate a work	plan.			_					
I hereby certi	fy that the	information gi	ven above	is true and comp	lete to th	e best of my	knowledge and u	ınderstar	nd that purs	uant to NM	CD ru	iles and
regulations al	Il operators	are required to	o report ar	nd/or file certain re	elease no	otifications ar	nd perform correc	ctive acti	ions for rele	eases which	may en	ıdanger
public nealth	or the envi	ronment, Ine	acceptanc	ce of a C-141 repo investigate and re	nt by the	NMOCD m	arked as "Final R	Leport" d	loes not reli	eve the oper	ator of	liability
or the enviro	operations in nment. In a	iddition. NMC	idequatery ICD accen	tance of a C-141	renort de	es not reliev	on man pose a mir e the operator of	resnonsi	bility for co	, surtace wa ampliance w	ier, nui ith anv	nan neann
federal, state,	or local la	ws and/or regu	lations.		oport a	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	o mo operator or	responsi	ionity for co	mpnance w	icii atty	other
				10.00			OIL CON	SERV	ATION	DIVISIO	N	
Signature:	7	dli	M.	00.								
Signature.	711	alu		Colin		4 11	D1a .					
Printed Name	e: Freddie	Gibbs			4	approved by	District Supervis	or;				
mu »												
Title: Produ	ction Super	rintendent	·····			Approval Dat	e;	<u> </u>	Expiration I	Jate:		
E-mail Addre	ess: fgibbs(@legacylp.cor	n			Conditions of	f Approval:			Attached		

Date: 7/24/2014

Phone: 432-221-6369

^{*} Attach Additional Sheets If Necessary

<u>District I</u> 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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

Revised October 10, 2003 Submit 2 Copies to appropriate

Form C-141

District Office in accordance with Rule 116 on back side of form

Attached

Santa Fe, NM 87505 Release Notification and Corrective Action ☐ Initial Report Final Report **OPERATOR** Name of Company: Legacy Reserves Operating, LP Contact: Freddie Gibbs Address: 303 W. Wall St. Ste 1300, Midland, TX 79701 Telephone No.: 432-221-6369 Facility Type: Central Tank Battery Facility Name: West Cap Queen Sand Unit #10 API#: 30-005-01100 Surface Owner: STATE Mineral Owner: LOCATION OF RELEASE County: CHAVES East/West Line Feet from the Feet from the North/South Line Section Township Range Unit Letter 17 148 0 Longitude -103.839515 W Latitude 33.0991667 N NATURE OF RELEASE Volume Recovered: -0- bbls Volume of Release: 120 bbls Type of Release: Produced Water Date and Hour of Discovery: 7/21/14 Date and Hour of Occurrence: Source of Release: Lightening Strike 7/20/14 If YES, To Whom? Was Immediate Notice Given? Hobbs NMOCD/Tomas Oberding By Whom? Sheldon Hitchcock Talon/LPE Date and Hour: 7/21/14 @ 9:43 am If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Lightening stuck the produced water tank causing a release of 120 barrels of produced water. No fluids were recovered. All fluids were contained within the berms of the battery. Talon/LPE was contacted to perform an initial site assessment and soil sampling within the impacted area. Describe Area Affected and Cleanup Action Taken.* Upon receipt of analytical results from the initial assessment and sampling activities, Talon/LPE drafted a remedial work plan that was subsequently approved by NMOCD. All of the work was completed in accordance with the approved work plan. Upon NMOCD approval the excavation was backfilled with caliche and contoured to match the surrounding terrain. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Name: Freddie Gibbs **Expiration Date:** Approval Date: Title: Production Superintendent Conditions of Approval: E-mail Address: fgibbs@legacylp.com

Phone: 432-221-6369

^{26/2015} * Attach Additional Sheets If Necessary

LABORATORY RESULTS



August 12, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WEST CAP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/05/14 16:06.

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 www.tceq.texas.gov/field/qa/lab 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 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
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

08/05/2014

Reported:

08/12/2014

Project Name:

WEST CAP BATTERY

Project Number:

701047.139.01

Project Location:

LEGACY

Sampling Date:

07/30/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S-1 1' (H402402-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2014	ND	1.67	83.7	2.00	9.39	
Toluene*	<0.050	0.050	08/07/2014	ND	1.66	83.1	2.00	9.35	
Ethylbenzene*	<0.050	0.050	08/07/2014	ND	1.65	82.4	2.00	10.7	
Total Xylenes*	<0.150	0.150	08/07/2014	ND	5.41	90.1	6.00	10.9	
Total BTEX	<0.300	0.300	08/07/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	08/08/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	08/07/2014	10.9	178	88.8	200	4.58	
DRO >C10-C28	1250	100	08/07/2014	ND	182	90.8	200	7.33	
Surrogate: 1-Chlorooctane	72.4 9	% 65.2-14)						
Surrogate: 1-Chlorooctadecane	122 %	63.6-15	4						

Sample ID: S-1 4' (H402402-02)

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	08/08/2014	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene



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

Received:

08/05/2014

Reported:

08/12/2014

Project Name:

WEST CAP BATTERY

Project Number:

701047.139.01

Project Location:

LEGACY

Sampling Date:

07/30/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S-2 0' (H402402-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2014	ND	1.67	83.7	2.00	9.39	
Toluene*	<0.050	0.050	08/07/2014	ND	1.66	83.1	2.00	9.35	
Ethylbenzene*	<0.050	0.050	08/07/2014	ND	1.65	82.4	2.00	10.7	
Total Xylenes*	<0.150	0.150	08/07/2014	ND	5.41	90.1	6.00	10.9	
Total BTEX	<0.300	0.300	08/07/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18400	16.0	08/08/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	08/07/2014	10.9	178	88.8	200	4.58	
DRO >C10-C28	<50.0	50.0	08/07/2014	ND	182	90.8	200	7.33	
Surrogate: 1-Chlorooctane	73.7 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	. 101 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keena



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

Received:

08/05/2014

Reported:

08/12/2014

Project Name:

WEST CAP BATTERY

Project Number:

701047.139.01

Project Location:

LEGACY

Sampling Date:

07/30/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S-2 1' (H402402-04)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2014	ND	1.67	83.7	2.00	9.39	
Toluene*	<0.050	0.050	08/07/2014	ND	1.66	83.1	2.00	9.35	
Ethylbenzene*	<0.050	0.050	08/07/2014	ND	1.65	82.4	2.00	10.7	
Total Xylenes*	<0.150	0.150	08/07/2014	ND	5.41	90.1	6.00	10.9	
Total BTEX	<0.300	0.300	08/07/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 89.4-120	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	08/08/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS			-		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<20.0	20.0	08/07/2014	10.9	178	88.8	200	4.58	
DRO >C10-C28	<10.0	10.0	08/07/2014	ND	182	90.8	200	7.33	
Surrogate: 1-Chlorooctane	89.0	% 65.2-140)						

Sample ID: S-2 2' (H402402-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/08/2014	ND	400	100	400	0.00	

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*=Accredited Analyte

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Celeg D. Keen



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

Received:

08/05/2014

Reported:

08/12/2014

Project Name:

WEST CAP BATTERY

Project Number:

701047.139.01

Project Location:

LEGACY

Sampling Date:

07/30/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S-2 4' (H402402-06)

Chloride, SM45UUCI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/08/2014	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celeg & 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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Celeg D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ומוטוו/בדר		8/14/10		ANA	ANALYSIS DECLIEST
Project Manager: D. Adkins		P.O. #:			יייייייייייייייייייייייייייייייייייייי
Address: 408 W. Texas Ave.		Company: Talon/LPF	<u> </u>		
City: Artesia state: NM	State: NM zip: 88210	Attn:			
71	Fax #: 575-746-8905	Address:			
Project #: 701047.139.01 Project Owner: Legacy	r: Legacy	City:			
Project Name: West Cap Battery		State: Zin:			
Project Location:		i.			
Sampler Name: S. Hitchcock		Fax#:			
FOR LAB USE ONLY	MATRIX	PRESERV SAMPLING	ត		
Lab I.D. Sample I.D.	DGE		PH FEX	nlorides	
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1	611		2:00		
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Inligence, All dutines including those for negligence and deletifs exclusive tennoly for any claim arising whether based in contract or ton, shall be limited to the amount paid by the client for the private. In no event chall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, illustrates or successors arising out of or related to the performance of services have made to the contract of the profits incurred by client, its subsidiaries,	ny claim arising whether based in contract or decimed waived unless made in writing and re- decimed limitation, business interruptions, low without limitation, business interruptions, low	r tort, shall be limited to the amount paid b eceived by Cardinal within 30 days after or as of use, or loss of profits incurred by clies	y the chent for the ompletion of the applicable nt, its subsidiaries,	-	-
Received By: Date: Received By: Phone Resu	Received By:	based upon any of the above stated reaso	Ä.	O No	Add'I Phone #:
Sheldow Viterally Time:			REMARKS:	ON C	ax #:

力の

Sample Condition
Cool Intact
Pres Yes
No No

CHECKED BY:
(Initials)

Sampler-UPS - Bus - Other: 5.40

Dalivered By: Acircle One

10.00 Page:

atri

Relinquished By:

Relinquished By:



January 22, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WEST CAP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/22/15 9:55.

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 www.tceq.texas.gov/field/qa/lab 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.

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 DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

01/22/2015

Reported:

01/22/2015

Project Name:

WEST CAP BATTERY

Project Number: Project Location: 701047.139.01 **LEGACY**

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

01/21/2015

Sample ID: S-1 2' (H500212-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

Analyzed

Method Blank ND

BS

% Recovery

True Value QC

RPD

3.92

Qualifier

Chloride

416

Reporting Limit 16.0

01/22/2015

400

100

400

Cardinal Laboratories

*=Accredited Analyte

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Celeg & treens

Celey D. Keene, Lab Director/Quality Manager



ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

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Celeg D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(210) 020-1000 1 101 (410) 000 -111		A constitution of a series of the constitution	ANALYSIS REQUEST
Company Name: Talon/LPE			
Project Manager: (), Ad ないんち		P.O. #:	
		company: Talon/LPE	
	0	Attn:	
Phone #: 575-746-8768 Fax #: 575-746-8905		Address:	
Project #: Project Owner: _eq ac \		City:	
ame: WEST CAP E		State: Zip:	
Project Location:		Phone #:	
Sampler Name: 5 + + + Ch COCK		SAMDI INC	
	MATRIX	PRESERV	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	
5-12	_	() (31/12/11)	
25-13	611	/ 1/2///5	
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Relinquished By: PLEASE NOTE: Labelity and Damages. Cardinat's labelity and client's exclusive remoty for any daim arising whether based in contract or one, shall be limited to the amount paid by the client for the 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 consequential damages, including without limitation, business interruptions, loss of use, or base of profits incurred by client, its subbeldaries, service. In no event shall cardinal resident of or related to the performance of services hereuroder by Cardinal inguitidess of whether such claims is based upon any of the above stated reasons or otherwise.

Received By:

Titho:

Titho:

Titho: Relinquished By: Delivered By: (Circle One) Time: Sample Condition
Cool Intact
Pes Na Yes
No No No IF 5-1 2'7 1,000 molio run 5-13' ☐ Yes ☐ No Add'I Phone #:

Rush

Sampler - UPS - Bus - Other: