

# Closure Report

## Site Description

Site Name:	State 2 #3 CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L I, Section 2, T22S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.41591° W 103.74235°

## Release Data

Date of Release:	03/30/2015
Type of Release:	Produced water
Source of Release:	2" Dump line corroded
Volume of Release:	90 bbls
Volume Recovered:	85 bbls

## Remediation Specifications

Remediation Parameters:	Hand excavate around S-2 to a feasible and safe depth. Obtain a confirmation sample at S-2. Hand excavate around S-3 & S-4 to ½ foot. Excavate to a depth of 3.5 feet around S-1.
Remediation Activities:	November 2015

Plan Sent to OCD:	05/05/2015	Email from Talon to NMOCD
OCD Approval of Plan:	05/06/2015	Email from NMOCD to Talon
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

## Supporting Documentation

Initial C-141	Signed 04/28/2015
Final C-141	Signed 02/23/2016
Site Diagram	May 2015
Groundwater Plot	175'
TOPO Maps	May 2015
Lab Summary	04/15/2015
Lab Analysis	04/15/2015
Correspondence	Request and approval of remediation plan via email

## Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

02/26/2016

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

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  
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

APR 29 2015

Form C-141  
Revised August 8, 2011

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

**RECEIVED**

**Release Notification and Corrective Action**

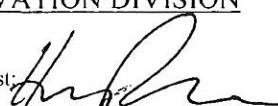
<b>NAB1512056213</b>		<b>OPERATOR</b>	<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company: <b>OXY USA INC</b>		Contact: <b>Chris Jones</b>		
Address: <b>102 S. Main St. Carlsbad, NM 88220</b>		Telephone No.: <b>575-628-4121</b>		
Facility Name: <b>State 2 #3 CTB</b>		Facility Type: <b>Battery</b>		
Surface Owner: <b>State</b>		Mineral Owner:		API No.: <b>30-015-26877</b>

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>I</b>	<b>2</b>	<b>22S</b>	<b>31E</b>	<b>2310'</b>	<b>South</b>	<b>330'</b>	<b>East</b>	<b>Eddy</b>

Latitude **32.41591 N** Longitude **-103.74235 W**

**NATURE OF RELEASE**

Type of Release: <b>Produced Water</b>	Volume of Release: <b>90 bbls</b>	Volume Recovered: <b>85 bbls</b>
Source of Release: <b>2" Dump Line Corroded</b>	Date and Hour of Occurrence <b>3/30/2015</b>	Date and Hour of Discovery <b>3/30/2015</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken: <b>A 2" dump line corroded causing a 90 barrel release within the containment of the facility. A vac truck was immediately call to the location and recovered 85 barrel of fluids.</b>		
Describe Area Affected and Cleanup Action Taken.* <input type="checkbox"/> The impacted area was inside the containment of the facility. Talon/LPE has already performed site assessment and soil sampling activities. A work plan will be drafted by May 1, 2015		
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.		
<b>Chris Jones</b> <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o.ou, email=ckjones888@yahoo.co m, c=US Date: 2015.04.28 15:46:39 +05'00'</small>	<b>OIL CONSERVATION DIVISION</b>	
Signature: <b>Jones</b>	Approved by Environmental Specialist: 	
Printed Name: <b>Chris Jones</b>	Approval Date: <b>4/30/15</b>	Expiration Date: <b>N/A</b>
Title: <b>HES Specialist</b>	Conditions of Approval:	
E-mail Address: <b>Christopher.Jones@oxy.com</b>	Attached <input type="checkbox"/>	
Date: <b>4/28/2015</b>	Phone: <b>575-628-4121</b>	

\* Attach Additional Sheets If Necessary

**Remediation per O.C.D. Rules & Guidelines**  
**SUBMIT REMEDIATION PROPOSAL NO**  
**LATER THAN: 5/30/15**

**2RP-2975**



District I  
1625 N. French Dr., Hobbs, NM 88240  
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State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
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Form C-141  
Revised August 8, 2011

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

## Release Notification and Corrective Action

### OPERATOR

☐ Initial Report ☒ Final Report

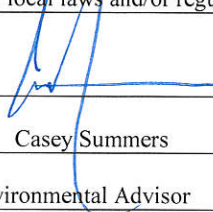
Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	State 2 #3 CTB	Facility Type	Battery
Surface Owner	State	Mineral Owner	API No. 30-015-26877

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	2	22S	31E	2310'	South	330'	East	Eddy County, NM

Latitude N 32.41591° Longitude W 103.74235°

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By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.*					
A 2" dump line corroded causing a 90 barrel release within the containment of the facility. A vac truck was immediately called to the location and recovered 85 barrels of fluid.					
Describe Area Affected and Cleanup Action Taken.*					
The impacted area was inside the containment of the facility. Talon/LPE has already performed site assessment and soil sampling activities. Remediation was completed in accordance with remediation plan approved by Heather Patterson of NMOCD via email on 05/06/2015.					
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.					
Signature: 		<u>OIL CONSERVATION DIVISION</u>			
Printed Name: Casey Summers		Approved by Environmental Specialist:			
Title: NM Environmental Advisor		Approval Date:		Expiration Date:	
E-mail Address: <a href="mailto:Casey_Summers@oxy.com">Casey_Summers@oxy.com</a>		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: <u>2-23-16</u> Phone: (575) 513-8289					

\* Attach Additional Sheets If Necessary

**From:** Patterson, Heather, EMNRD  
**To:** "Kimberly M. Wilson"  
**Cc:** [Bratcher, Mike, EMNRD](#); [Christopher\\_Jones@oxy.com](mailto:Christopher_Jones@oxy.com); [David Adkins](#)  
**Subject:** RE: State 2 #3  
**Date:** Wednesday, May 06, 2015 8:07:00 AM  
**Attachments:** image001.png

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RE: Oxy \* State 2 #3 \* 30-015-26887 \* 2RP-2975

Kimberly,

Your work plan is approved as written. Please provide a confirmation sample from the area of S2 in your closure report.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson  
Environmental Specialist  
NMOCD District II  
Office (575)748-1283 ext.101  
Cell (575)703-0228

---

**From:** Kimberly M. Wilson [<mailto:kwilson@talonlpe.com>]  
**Sent:** Tuesday, May 05, 2015 2:06 PM  
**To:** Patterson, Heather, EMNRD  
**Cc:** Bratcher, Mike, EMNRD; [Christopher\\_Jones@oxy.com](mailto:Christopher_Jones@oxy.com); David Adkins  
**Subject:** State 2 #3

Heather attached is the work plan for the above referenced release. If you have any questions feel free to contact me with any questions or concerns.

Respectfully submitted,

***Kimberly M. Wilson***  
Project Manager  
Talon/LPE  
408 West Texas Avenue  
Artesia, New Mexico 88210  
Office: 575.746.8768  
Fax: 575.746.8905  
Cell: 575.602.3826  
Emergency: 866.742.0742  
Email: [kwilson@talonlpe.com](mailto:kwilson@talonlpe.com)  
Web: [www.talonlpe.com](http://www.talonlpe.com)





Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist

Staples Foundation for Learning Hall of Fame Recipient: 2010

ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006

Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007



April 1, 2015

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

Mr. Mike Bratcher  
**NMOCD District 2**  
811 S. 1<sup>st</sup> Street  
Artesia, NM 88210

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

Subject: **Soil Assessment and Remediation Work Plan**  
OXY USA Inc.  
State 2 #3 CTB  
30-015-26877

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

Dear Mr. Bratcher,

OXY USA Inc. (Oxy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

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

#### **Incident Date**

The release was discovered on March 30, 2015

OKLAHOMA CITY  
7700 North Hudson Avenue  
Suite 10  
Oklahoma City, Oklahoma 73116  
Phone 405.486.7030  
Fax 806.467.0622

#### **Background Information**

The Oxy State 2 #3 CTB is located approximately thirty-nine (39) miles southeast of Carlsbad, New Mexico. The legal location for this site is Unit Letter I, Section 2, Township 22 South, and Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.41591 North and - 103.74235 West. See the site plan in [Appendix I](#).

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

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 Berino complex with 0 to 3 percent slopes, eroded. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately greater than 100' according to the Chevron Texaco Water Trend map. No groundwater data is provided by the New Mexico Office of the State Engineers office. See [Appendix II](#).

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

ENVIRONMENTAL CONSULTING  
ENGINEERING  
DRILLING  
CONSTRUCTION  
SPILL MANAGEMENT  
GENERAL CONTRACTING

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

### Incident Description

A two-inch dump line corroding releasing 90 barrels of produced water within the containment of the facility. The facility was shut in and the line was replaced. A vacuum truck was dispatched to the site to recover the standing fluid. Approximately 80 barrels of fluid were recovered. All of the released fluids were contained within the berms of the battery. Talon mobilized personnel to conduct a site assessment and perform soil sampling at the location. Laboratory results from the soil sampling event 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'	<0.300	6260	12	80.3
	2'	<0.300	2400	<10	<10
	3'	<0.300	3240	<10	<10
	4'	<0.300	624	<10	<10
S-2	1'	174	4160	2490	5570
	2'	0.387	8660	11.5	15.6
	3'	<0.300	6800	<10	<10
	4'	<0.300	7860	<10	<10
S-3	1'	<0.300	416	<10	<10
	2'	<0.300	32	<10	<10
	3'	<0.300	32	<10	<10
	4'	9.28	768	193	1010
S-4	1'	<0.300	64	<10	<10
	2'	34.2	64	38.6	132
	3'	3.41	112	87.7	386
	4'	7.87	112	<10	25.6

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH. The chloride standards are considered to be 1,000 mg/kg.



### Proposed Remedial Actions


- The impacted areas in the vicinity of sample location S-2 under the steel flow lines will be hand-excavated to the extent feasible and as safely as possible.
- The impacted area in the vicinity S-3 and S-4 in the tank battery will be hand excavated to a depth of 0.5-feet deep.
- The impacted area in the vicinity of S-1 will be excavated to a depth of 3.5-feet deep.
- All the contaminated soil will be transported to an approved disposal facility, Lea Land, LLC.
- The excavated areas inside the facility will be backfilled with new caliche and re-contoured to match the surrounding area.
- A final closure report documenting all remedial actions and analytical results will be provided to the NMOCD Artesia Office along with a Final C-141 Form.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

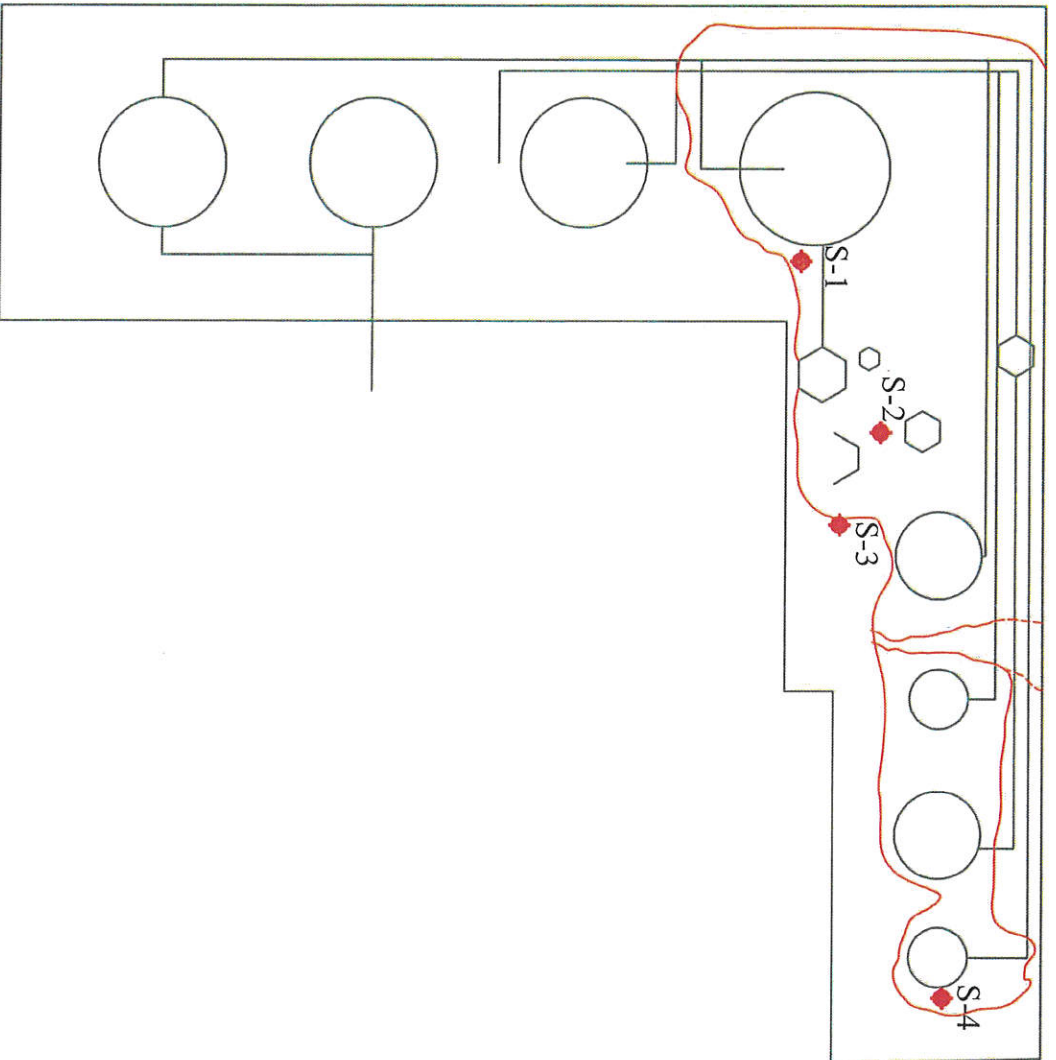
Respectfully submitted,

TALON/LPE

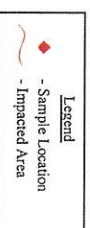
  
Kimberly M. Wilson  
Project Manager

  
David J. Adkins  
District Manager

**APPENDIX I**  
**SITE MAP**



NTS



Date: 05/04/2015

Scale: NTS

Drawn By: TJS

State 2-3 CTB  
Oxy - NM - North  
Eddy County, New Mexico  
Figure 1 - Site Plan



**APPENDIX II**  
**GROUNDWATER DATA**  
**INITIAL 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)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02744</a>	ED			3	2	1	11	22S	31E	617374	3586631*	1282	4911		
<a href="#">C 02949 EXPL</a>	ED			1	1	4	34	21S	31E	616140	3589231*	2716	970		
<a href="#">C 02745</a>	ED			4	2	2	15	22S	31E	616789	3585013*	2935	925		
<a href="#">C 02746</a>	ED			4	2	2	15	22S	31E	616789	3585013*	2935	930		
<a href="#">C 02747</a>	ED			4	2	2	15	22S	31E	616789	3585013*	2935	1076		
<a href="#">C 03150</a>	ED			2	4	4	14	22S	31E	618412	3584025*	3524	981		
<a href="#">C 03112 EXPLORE</a>	ED			3	1	1	09	22S	31E	613753	3586590*	4618	3567		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 7

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 618271

Northing (Y): 3587547

Radius: 5000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: <b>OXY USA INC</b>	Contact: <b>Chris Jones</b>
Address: <b>102 S. Main St. Carlsbad, NM 88220</b>	Telephone No.: <b>575-628-4121</b>
Facility Name: <b>State 2 #3 CTB</b>	Facility Type: <b>Battery</b>

Surface Owner: <b>State</b>	Mineral Owner:	API No.: <b>30-015-26877</b>
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#### LOCATION OF RELEASE

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<b>Chris Jones</b> Signature: <b>Jones</b> Printed Name: <b>Chris Jones</b> Title: <b>HES Specialist</b> E-mail Address: <b>Christopher.Jones@oxy.com</b> Date: <b>4/28/2015</b> Phone: <b>575-628-4121</b>	<b>OIL CONSERVATION DIVISION</b> Approved by Environmental Specialist: Approval Date: Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>
--	---

\* Attach Additional Sheets If Necessary



**APPENDIX III**  
**LABORATORY RESULTS**



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

April 24, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: STATE 2-3 CTB BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/17/15 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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-1 1' (H501018-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
<b>Toluene*</b>	<b>0.052</b>	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	<0.300	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6260	16.0	04/21/2015	ND	416	104	400	3.92		

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12.0	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	80.3	10.0	04/20/2015	ND	229	114	200	0.0455	

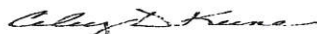
Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-1 2' (H501018-02)**

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14		
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758		
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86		
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14		
Total BTEX	<0.300	0.300	04/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	04/21/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	<10.0	10.0	04/20/2015	ND	229	114	200	0.0455	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.6 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-1 3' (H501018-03)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTX	<0.300	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	04/21/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	<10.0	10.0	04/20/2015	ND	229	114	200	0.0455	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 100 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-1 4' (H501018-04)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEx	<0.300	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	04/21/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	<10.0	10.0	04/20/2015	ND	229	114	200	0.0455	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-2 1' (H501018-05)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.45	1.00	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	60.8	1.00	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	23.6	1.00	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	84.9	3.00	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTX	174	6.00	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	04/21/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2490	50.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	5570	50.0	04/20/2015	ND	229	114	200	0.0455	


Surrogate: 1-Chlorooctane 166 % 47.2-157

Surrogate: 1-Chlorooctadecane 138 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-2 2' (H501018-06)**

BTEX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	0.156	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	0.052	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	0.179	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	0.387	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.5	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	15.6	10.0	04/20/2015	ND	229	114	200	0.0455	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.8 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-2 3' (H501018-07)**

BTEX 8021B			mg/kg							
			Analyzed By: ms							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14		
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758		
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86		
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14		
Total BTEX	<0.300	0.300	04/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 61-154

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	04/21/2015	ND	400	100	400	7.69		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/20/2015	ND	209	104	200	0.220		
DRO >C10-C28	<10.0	10.0	04/20/2015	ND	229	114	200	0.0455		

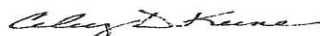
Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.3 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-2 4' (H501018-08)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	<0.300	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	<10.0	10.0	04/20/2015	ND	229	114	200	0.0455	

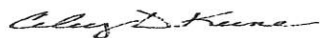
Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.1 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-3 1' (H501018-09)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	<0.300	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	<10.0	10.0	04/20/2015	ND	229	114	200	0.0455	

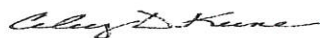
Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.4 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-3 2' (H501018-10)**

BTEX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	<0.300	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	<10.0	10.0	04/20/2015	ND	229	114	200	0.0455	


Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-3 3' (H501018-11)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	<0.300	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	<10.0	10.0	04/20/2015	ND	229	114	200	0.0455	

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-3 4' (H501018-12)**

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	1.48	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	1.48	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	6.33	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	9.28	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 124 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	04/21/2015	ND	400	100	400	7.69	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	193	10.0	04/20/2015	ND	209	104	200	0.220	
DRO >C10-C28	1010	10.0	04/20/2015	ND	229	114	200	0.0455	

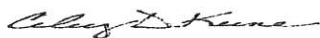
Surrogate: 1-Chlorooctane 117 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-4 1' (H501018-13)**

BTX 8021B			mg/kg							
			Analyzed By: ms							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14		
Toluene*	<0.050	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758		
Ethylbenzene*	<0.050	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86		
Total Xylenes*	<0.150	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14		
Total BTX	<0.300	0.300	04/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 61-154

Chloride, SM4500Cl-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	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/21/2015	ND	209	104	200	1.11	
DRO >C10-C28	<10.0	10.0	04/21/2015	ND	229	114	200	1.19	

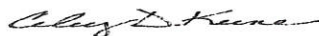
Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-4 2' (H501018-14)**

BTEX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.111	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	7.22	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	5.43	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	21.5	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	34.2	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 61-154

Chloride, SM4500Cl-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	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	38.6	10.0	04/21/2015	ND	209	104	200	1.11	
DRO >C10-C28	132	10.0	04/21/2015	ND	229	114	200	1.19	

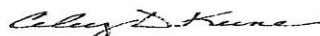
Surrogate: 1-Chlorooctane 110 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-4 3' (H501018-15)**

BTX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	0.565	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	0.548	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	2.30	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTX	3.41	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 139 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	87.7	10.0	04/21/2015	ND	209	104	200	1.11	
DRO >C10-C28	386	10.0	04/21/2015	ND	229	114	200	1.19	

Surrogate: 1-Chlorooctane 110 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/17/2015  
Reported: 04/24/2015  
Project Name: STATE 2-3 CTB BATTERY  
Project Number: 70060844001  
Project Location: SEC. 2, T22S, R31E

Sampling Date: 04/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-4 4' (H501018-16)**

BTEX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.12	106	2.00	1.14	
Toluene*	1.32	0.050	04/21/2015	ND	1.91	95.4	2.00	0.758	
Ethylbenzene*	1.25	0.050	04/21/2015	ND	1.82	90.9	2.00	1.86	
Total Xylenes*	5.31	0.150	04/21/2015	ND	5.79	96.5	6.00	2.14	
Total BTEX	7.87	0.300	04/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/21/2015	ND	400	100	400	7.69	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/21/2015	ND	209	104	200	1.11	
DRO >C10-C28	25.6	10.0	04/21/2015	ND	229	114	200	1.19	


Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

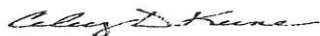
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> Talon/LPE		<b>P.O. #:</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
<b>Project Manager:</b> D Adkins							
<b>Address:</b> 408 W. Texas Ave.		<b>State:</b> NM <b>zip:</b> 88210		<b>Company:</b> Oxy			
<b>City:</b> Artesia				<b>Attn:</b> Chris Jones			
<b>Phone #:</b> 575-746-8768	<b>Fax #:</b> 575-746-8905	<b>Address:</b>					
<b>Project #:</b> 70060844001		<b>Project Owner:</b> City					
<b>Project Name:</b> State 2-3 CTB Battery		<b>City:</b>					
<b>Project Location:</b> Sec 2, T2S, R31E		<b>State:</b>		<b>Zip:</b>			
<b>Sampler Name:</b> G. Garcia		<b>Phone #:</b>					
<b>Fax #:</b>							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEx	Total Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H501D8	1 S-1 1'	G	X	X	X	X	X	X	X	X	4:15-5	2:40	/	/	/
	2 S-1 2'	G	X	X	X	X	X	X	X	X	2:43	2:43	/	/	/
	3 S-1 3'	G	X	X	X	X	X	X	X	X	2:49	2:49	/	/	/
	4 S-1 4'	G	X	X	X	X	X	X	X	X	2:51	2:51	/	/	/
	5 S-2 1'	G	X	X	X	X	X	X	X	X	2:57	2:57	/	/	/
	6 S-2 2'	G	X	X	X	X	X	X	X	X	3:00	3:00	/	/	/
	7 S-2 3'	G	X	X	X	X	X	X	X	X	3:04	3:04	/	/	/
	8 S-2 4'	G	X	X	X	X	X	X	X	X	3:10	3:10	/	/	/
	9 S-3 1'	G	X	X	X	X	X	X	X	X	3:12	3:12	/	/	/
	10 S-3 2'	G	X	X	X	X	X	X	X	X	3:15	3:15	/	/	/

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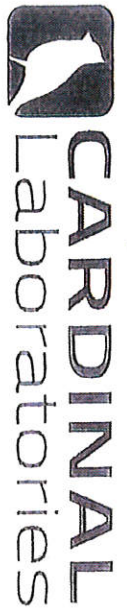
<b>Reinforced By:</b>	<b>Received By:</b>	<b>Date:</b>	<b>Time:</b>
[Signature]	[Signature]	4/11/15	3:00 PM
<b>Delivered By:</b> (Circle One)	<b>Sample Condition</b>	<b>CHECKED BY:</b>	
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)	
	No <input type="checkbox"/> Yes <input type="checkbox"/>		

**REMARKS:**  
NO #, 0P56294485  
Pyt#, 1127998  
Task #, 01040502  
Elemnt# 2019

**Phone Results:** ☐ Yes ☐ No **Add'l Phone #:**  
**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**

09/10/2





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE

Project Manager: J. Adkins

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

State: NM zip: 88210

Fax #: 575-746-8905

Project #: 20060844061

Project Owner: O24

Project Name: State 2-3 CTR Battery

Project Location: Sec. 2, T22S, R31E

Sample Name: G. Raza

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H501D18

11 S-3 3-

12 S-3 4-

13 S-4 1-

14 S-4 2-

15 S-4 3-

16 S-4 4-

P.O. #:

Company: O24

Attn: Chris Jones

Address:

City:

State:

Zip:

Phone #:

Fax #:

DATE

TIME

TPH

BTEX

Total Chlorides

ANALYSIS REQUEST

PLEASE NOTE: Liability and Damages: Cardinal's liability and amounts payable are limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable service. It is the client's responsibility to ensure that Cardinal is properly insured for the services requested. Cardinal is not responsible for any damage to or loss of property or equipment, including but not limited to, the client's property, equipment, or data, or any other loss or damage, whether or not caused by Cardinal's negligence or the negligence of any third party, in connection with the services requested. Cardinal is not responsible for any damage to or loss of property or equipment, including but not limited to, the client's property, equipment, or data, or any other loss or damage, whether or not caused by Cardinal's negligence or the negligence of any third party, in connection with the services requested.

Relinquished By: [Signature]

Date: 4/11/05

Time: 3:00

Received By: [Signature]

Date: 4/11/05

Time: 12:30

Sample Condition: Cool Intact

Checked By: [Signature]

Remarks: Tag # 01040502

Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

## **Patterson, Heather, EMNRD**

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**From:** Kimberly M. Wilson <kwilson@talonlpe.com>  
**Sent:** Wednesday, April 29, 2015 9:40 AM  
**To:** Patterson, Heather, EMNRD; Bustamante, Amalia, EMNRD  
**Cc:** Christopher\_Jones@oxy.com; David Adkins  
**Subject:** Oxy's Signed Initial C-141's  
**Attachments:** Conoco 10 State #1 initial C-141.pdf; State 2 #3 CTB initial C-141.pdf; Two Marks 36 State 4 SWD C-141 initial.pdf

Good morning All,

Attached you will find a few signed initial C-141 for the above referenced release releases. My apologies for not getting some of these into you in a timely manner. I have had pneumonia for months. I had to be admitted to the ER. I should have everything caught up shortly, hopefully by the end of the week.

As you will see on the C-141's I will be drafting a work plan or have the location ready for further delineation.

Respectfully submitted,

***Kimberly M. Wilson***

Project Manager  
Talon/LPE  
408 West Texas Avenue  
Artesia, New Mexico 88210  
Office: 575.746.8768  
Fax: 575.746.8905  
Cell: 575.602.3826  
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Web: [www.talonlpe.com](http://www.talonlpe.com)



Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist  
Staples Foundation for Learning Hall of Fame Recipient: 2010  
ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006  
Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007

**Bratcher, Mike, EMNRD**

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**From:** Christopher\_Jones@oxy.com  
**Sent:** Thursday, April 09, 2015 8:15 AM  
**To:** shughes@blm.gov; Bratcher, Mike, EMNRD  
**Cc:** dadkins@talonlpe.com; kwilson@talonlpe.com

This is to inform you that Oxy had a leak at the A-OP State 2 3 CTB Battery on April 6 2015. The volume of the spill was 90 bbl oil in which 85 bbls were recovered. The leak was due to a 2" dump line on the test treater had some corrosion issues.

FROM CARLSBAD NM TAKE HWY 62180 EAST FOR 25 MILES AND CROSS RR TRACKS TO HALF WAY BAR JUST PAST BAR  
TURN SOUTH ON CR 29 FOR 3 MILES TO THE BIG TAN TANK WITH STAIRS, PLAINS EAST LIVINGTON RIDGE, TURN ON  
DIRT ROAD TO THE RIGHT THEN TAKE THE THIRD LEFT TURN AND GO .5 MILE TO BATTERY ON RIGHT SIDE OF ROAD

Chris Jones  
HES OPS Specialist  
OUSA USOp PR Del HES ENV  
New Mexico  
Cell 575-499-3337

"We do not inherit the earth from  
our ancestors; we borrow it from  
our children." Chief Seattle



