

Closure Report

Site Description

Site Name:	Conoco 10 State #1
Company:	Oxy Permian Ltd.
Legal Description:	U/L I, Section 10, T19S, R 29E
County:	Eddy County, NM
GPS Coordinates:	N 32.67332° W 104.05632°

Release Data

Date of Release:	04/15/2015
Type of Release:	Oil and produced water
Source of Release:	Gauge malfunctioned at well head
Volume of Release:	10 bbls produced water, 2 bbls oil
Volume Recovered:	unknown

Remediation Specifications

Remediation Parameters:	Surface scrape the area around S-1. Excavate the area around S-2 to a depth of 1 foot. Backfill the site with clean soil.
Remediation Activities:	January 2016

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	150'
TOPO Maps	May 2015
Lab Summary	04/23/2015
Lab Analysis	04/23/2015
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

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

NM OIL CONSERVATION
ARTESIA DISTRICT

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

NAB 1512155495

OPERATOR

Initial Report Final Report

Name of Company: OXY USA INC <i>1106910</i>	Contact: Chris Jones
Address: 102 S. Main St. Carlsbad, NM 88220	Telephone No.: 575-628-4121
Facility Name: Conoco 10 State #1	Facility Type: Well

Surface Owner: Private	Mineral Owner:	API No.: 30-015-23066
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
1	10	19S	29E	1980'	South	660'	East	Eddy

Latitude **32.6733232 N** Longitude **-104.05632011 W**

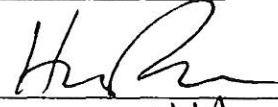
NATURE OF RELEASE

Type of Release: Mix Fluids	Volume of Release: 10 bbls PW 2bbls Oil	Volume Recovered: Unknown
Source of Release: Gauge Malfunctioned at wellhead	Date and Hour of Occurrence 4/15/2015	Date and Hour of Discovery 4/15/2015
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: **The gauge at the wellhead malfunctioned causing a release of mix fluids surrounding the wellhead. A vac truck was immediately call to the location and recovered unknown barrels of fluids.**

Describe Area Affected and Cleanup Action Taken.* **The impacted area surrounding the wellhead and pump jack measuring approximately 14' x 20'. All fluids stayed on location. Talon/LPE has already performed site assessment and soil sampling activities. Waiting on lab results.**

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: Chris Jones <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=ckjones988@yahoo.com, c=US Date: 2015.04.28 15:46:55 -0500</small>	OIL CONSERVATION DIVISION	
Printed Name: Chris Jones	Approved by Environmental Specialist: 	
Title: HES Specialist	Approval Date: 5/1/15	Expiration Date: N/A
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines	
Date: 4/28/2015 Phone: 575-628-4121	Attached <input type="checkbox"/> SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 5/1/15	

* Attach Additional Sheets If Necessary

2RP-2976

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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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 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	Conoco 10 State #1	Facility Type	Well
Surface Owner	Private	Mineral Owner	API No. 30-015-23066

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	10	19S	29E	1980'	South	660'	East	Eddy County, NM

Latitude N 32.67332° Longitude W 104.05632°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	10 bbls produced water, 2 bbls oil	Volume Recovered	Unknown
Source of Release	Gauge malfunctioned at well head	Date and Hour of Occurrence	04/15/2015	Date and Hour of Discovery	
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.*					
The gauge at the wellhead malfunctioned causing a release of mix fluids surrounding the wellhead. A vac truck was immediately called to the location and recovered unknown barrels of fluids.					
Describe Area Affected and Cleanup Action Taken.*					
The impacted area surrounding the wellhead and pump jack measures approximately 14' x 20'. All fluids stayed on location. Talon/LPE has already performed site assessment and soil sampling activities. Remediation was completed in accordance with the 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: <u>Casey_Summers@oxy.com</u>	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: "[Sheldon Hitchcock](#)"
Cc: [David Adkins](#); [Kimberly M. Wilson](#); christopher_jones@oxy.com
Subject: RE: Oxy-Conoco 10 State #001 Work Plan 30-015-23066
Date: Wednesday, May 06, 2015 8:23:00 AM

RE: Oxy * Conoco 10 State #1 * 30-015-23066 * 2RP-2976

Sheldon,

Your work plan for the above listed site is approved as written.

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: Sheldon Hitchcock [<mailto:shitchcock@talonlpe.com>]
Sent: Tuesday, May 05, 2015 2:11 PM
To: Patterson, Heather, EMNRD
Cc: [David Adkins](#); [Kimberly M. Wilson](#); christopher_jones@oxy.com
Subject: Oxy-Conoco 10 State #001 Work Plan 30-015-23066

Heather,

Please see the attached work plan for the Conoco 10 State #001. Let me know if you have any questions or concerns. Thank you.

Respectfully,

Sheldon L. Hitchcock
Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
Phone: (575) 746-8768
Cell: (575) 689-5198
Fax: (575) 746-8905
Email: shitchcock@talonlpe.com
Web: 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

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May 5, 2015

Ms. Heather Patterson
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

AMARILLO
921 North Bivins
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

Subject: **Soil Assessment and Remediation Work Plan**
Oxy USA, INC
Conoco 10 State #001
API #: 30-015-23066

Dear Ms. Patterson

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

Oxy USA (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

Background Information

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

The Conoco 10 State #001 is located approximately twenty-six (26) miles southeast of Artesia, New Mexico. The legal location for this site is Unit Letter I, Section 10, Township 19 South and Range 29 East in Eddy County New Mexico. More specifically the latitude and longitude to this site are 32.673323266 North and -104.05632011 West. A site plan is presented in [Appendix I](#).

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
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 Berino-Dune land complex with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of older alluvial deposits from upland plains and piedmont areas. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 150-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'

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Background Information

The gauge at the wellhead malfunctioned causing a released of approximately 10bbls of mixed fluids surrounding the wellhead. A vacuum truck was immediately called to the location to recover the standing fluids. All of the fluid was contained to the location, in the vicinity of the pump jack. Talon mobilized personnel to conduct an initial site assessment and collect soil samples within the impacted area. The results of this 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	0	ND	128	ND	1040
S-1	1	ND	ND	ND	ND
S-1	2	ND	ND	ND	ND
S-1	3	ND	ND	ND	ND
S-1	4	ND	ND	ND	ND
S-2	0	1370	352	4760	21200
S-2	1	1.48	48	167	3020
S-2	2	ND	32	ND	95.4
S-2	3	ND	32	ND	ND
S-2	4	3.68	80	27.1	577

(--) Analyte Not Tested

(ND) Analyte Not Detected

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.

Proposed Remedial Actions

- The impacted area in the vicinity of sample location S-1 will be scrapped to remove any surface staining.
- The impacted area in the vicinity of sample location S-2 will be excavated to a depth of 1-foot bgs.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with caliche and contoured to match the surrounding location.

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

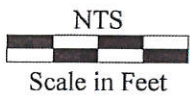
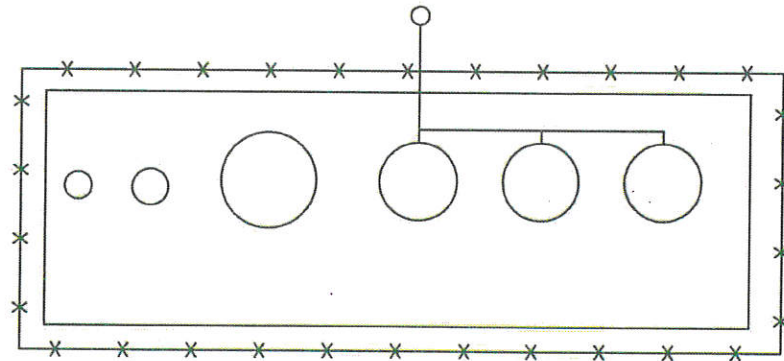
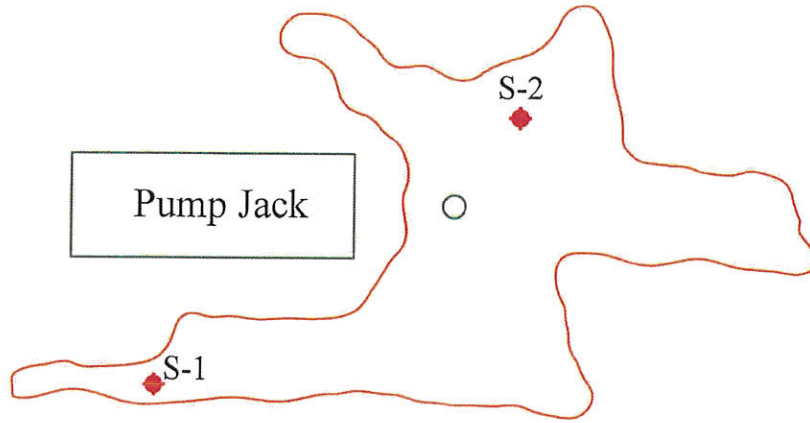
Respectfully submitted,



TALON/LPE


Sheldon L. Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



Legend	
	- Sample Location
	- Impacted Area



Date: 05/05/2015

Scale: NTS

Drawn By: TJS

Conoco 10 State #1
 Oxy - NM - North
 Eddy County, New Mexico
 Figure 1 - Site Plan

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
CP 00863			ED	1	4	2	27	18S	29E	588341	3620768*	5300	320		
CP 00646			ED	1	1	4	07	19S	29E	583155	3615551	5330	199	150	49

Average Depth to Water: 150 feet

Minimum Depth: 150 feet

Maximum Depth: 150 feet

Record Count: 2

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 588485

Northing (Y): 3615469

Radius: 5400

*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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1220 South St. Francis Dr.
Santa Fe, NM 87505

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 USA INC	Contact: Chris Jones
Address: 102 S. Main St. Carlsbad, NM 88220	Telephone No.: 575-628-4121
Facility Name: Conoco 10 State #1	Facility Type: Well

Surface Owner: Private	Mineral Owner:	API No.: 30-015-23066
-------------------------------	----------------	------------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
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Latitude **32.6733232 N** Longitude **-104.05632011 W**

NATURE OF RELEASE

Type of Release: Mix Fluids	Volume of Release: 10 bbls PW 2bbls Oil	Volume Recovered: Unknown
Source of Release: Gauge Malfunctioned at wellhead	Date and Hour of Occurrence 4/15/2015	Date and Hour of Discovery 4/15/2015
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: **The gauge at the wellhead malfunctioned causing a release of mix fluids surrounding the wellhead. A vac truck was immediately call to the location and recovered unknown barrels of fluids.**

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

* Attach Additional Sheets If Necessary

LABORATORY RESULTS



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

April 30, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CONOCO 10 STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 04/27/15 12:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 1 0' (H501082-01)

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	04/29/2015	ND	2.08	104	2.00	0.428	
Toluene*	0.166	0.050	04/29/2015	ND	1.91	95.4	2.00	2.53	
Ethylbenzene*	<0.050	0.050	04/29/2015	ND	1.80	89.9	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/29/2015	ND	5.77	96.2	6.00	1.97	
Total BTEX	<0.300	0.300	04/29/2015	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	128	16.0	04/29/2015	ND	416	104	400	3.77	

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	04/28/2015	ND	203	101	200	0.362	
DRO >C10-C28	1040	10.0	04/28/2015	ND	215	107	200	0.141	

Surrogate: 1-Chlorooctane 95.9 % 47.2-157
Surrogate: 1-Chlorooctadecane 105 % 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:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 1 1' (H501082-02)

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	04/29/2015	ND	2.08	104	2.00	0.428		
Toluene*	<0.050	0.050	04/29/2015	ND	1.91	95.4	2.00	2.53		
Ethylbenzene*	<0.050	0.050	04/29/2015	ND	1.80	89.9	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/29/2015	ND	5.77	96.2	6.00	1.97		
Total BTEX	<0.300	0.300	04/29/2015	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	<16.0	16.0	04/29/2015	ND	416	104	400	3.77		

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	04/28/2015	ND	203	101	200	0.362		
DRO >C10-C28	<10.0	10.0	04/28/2015	ND	215	107	200	0.141		

Surrogate: 1-Chlorooctane 96.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.9 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celest 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:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 1 2' (H501082-03)

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	04/29/2015	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	04/29/2015	ND	1.91	95.4	2.00	2.53	
Ethylbenzene*	<0.050	0.050	04/29/2015	ND	1.80	89.9	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/29/2015	ND	5.77	96.2	6.00	1.97	
Total BTEX	<0.300	0.300	04/29/2015	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	<16.0	16.0	04/29/2015	ND	416	104	400	3.77	

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	04/28/2015	ND	203	101	200	0.362	
DRO >C10-C28	<10.0	10.0	04/28/2015	ND	215	107	200	0.141	

Surrogate: 1-Chlorooctane 97.6% 47.2-157

Surrogate: 1-Chlorooctadecane 96.4% 52.1-176

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Analytical Results For:

 TALON LPE
 DAVID ADKINS
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 Fax To: (575) 745-8905

Received:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 1 3' (H501082-04)

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	04/29/2015	ND	2.08	104	2.00	0.428		
Toluene*	<0.050	0.050	04/29/2015	ND	1.91	95.4	2.00	2.53		
Ethylbenzene*	<0.050	0.050	04/29/2015	ND	1.80	89.9	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/29/2015	ND	5.77	96.2	6.00	1.97		
Total BTEX	<0.300	0.300	04/29/2015	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	<16.0	16.0	04/29/2015	ND	416	104	400	3.77		

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	04/28/2015	ND	203	101	200	0.362		
DRO >C10-C28	<10.0	10.0	04/28/2015	ND	215	107	200	0.141		

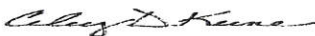
Surrogate: 1-Chlorooctane 95.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.6 % 52.1-176

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Analytical Results For:

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

 Received: 04/27/2015
 Reported: 04/30/2015
 Project Name: CONOCO 10 STATE 1
 Project Number: 70060844401
 Project Location: SEC 10, T19S, R29E

 Sampling Date: 04/23/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 1 4' (H501082-05)

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	04/29/2015	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	04/29/2015	ND	1.91	95.4	2.00	2.53	
Ethylbenzene*	<0.050	0.050	04/29/2015	ND	1.80	89.9	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/29/2015	ND	5.77	96.2	6.00	1.97	
Total BTEX	<0.300	0.300	04/29/2015	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	<16.0	16.0	04/29/2015	ND	416	104	400	3.77	

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	04/28/2015	ND	203	101	200	0.362	
DRO >C10-C28	<10.0	10.0	04/28/2015	ND	215	107	200	0.141	

Surrogate: 1-Chlorooctane 95.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.3 % 52.1-176

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Received:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 2 0' (H501082-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.10	2.00	04/29/2015	ND	2.08	104	2.00	0.428	
Toluene*	828	2.00	04/29/2015	ND	1.91	95.4	2.00	2.53	
Ethylbenzene*	82.1	2.00	04/29/2015	ND	1.80	89.9	2.00	2.09	
Total Xylenes*	459	6.00	04/29/2015	ND	5.77	96.2	6.00	1.97	
Total BTEX	1370	12.0	04/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 137 % 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	352	16.0	04/29/2015	ND	416	104	400	3.77	

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	4760	100	04/28/2015	ND	203	101	200	0.362		
DRO >C10-C28	21200	100	04/28/2015	ND	215	107	200	0.141		

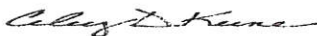
Surrogate: 1-Chlorooctane 195 % 47.2-157

Surrogate: 1-Chlorooctadecane 349 % 52.1-176

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Received:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 2 1' (H501082-07)

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	04/29/2015	ND	2.08	104	2.00	0.428	
Toluene*	0.838	0.050	04/29/2015	ND	1.91	95.4	2.00	2.53	
Ethylbenzene*	0.090	0.050	04/29/2015	ND	1.80	89.9	2.00	2.09	
Total Xylenes*	0.551	0.150	04/29/2015	ND	5.77	96.2	6.00	1.97	
Total BTEX	1.48	0.300	04/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 122 % 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	48.0	16.0	04/29/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	167	10.0	04/28/2015	ND	203	101	200	0.362	
DRO >C10-C28	3020	10.0	04/28/2015	ND	215	107	200	0.141	

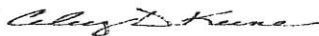
Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 129 % 52.1-176

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

Received:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 2 2' (H501082-08)

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	04/29/2015	ND	2.08	104	2.00	0.428		
Toluene*	0.120	0.050	04/29/2015	ND	1.91	95.4	2.00	2.53		
Ethylbenzene*	<0.050	0.050	04/29/2015	ND	1.80	89.9	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/29/2015	ND	5.77	96.2	6.00	1.97		
Total BTEX	<0.300	0.300	04/29/2015	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	32.0	16.0	04/29/2015	ND	416	104	400	3.77		

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	04/28/2015	ND	203	101	200	0.362		
DRO >C10-C28	95.4	10.0	04/28/2015	ND	215	107	200	0.141		

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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Analytical Results For:

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Received:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 2 3' (H501082-09)

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	04/29/2015	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	04/29/2015	ND	1.91	95.4	2.00	2.53	
Ethylbenzene*	<0.050	0.050	04/29/2015	ND	1.80	89.9	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/29/2015	ND	5.77	96.2	6.00	1.97	
Total BTEX	<0.300	0.300	04/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 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	04/29/2015	ND	416	104	400	3.77	

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	04/28/2015	ND	203	101	200	0.362	
DRO >C10-C28	<10.0	10.0	04/28/2015	ND	215	107	200	0.141	

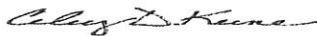
Surrogate: 1-Chlorooctane 94.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.5 % 52.1-176

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 Fax To: (575) 745-8905

Received:	04/27/2015	Sampling Date:	04/23/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	CONOCO 10 STATE 1	Sampling Condition:	Cool & Intact
Project Number:	70060844401	Sample Received By:	Jodi Henson
Project Location:	SEC 10, T19S, R29E		

Sample ID: S - 2 4' (H501082-10)

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	04/30/2015	ND	1.96	98.1	2.00	2.22	
Toluene*	1.01	0.050	04/30/2015	ND	1.76	88.2	2.00	2.15	
Ethylbenzene*	0.352	0.050	04/30/2015	ND	1.71	85.6	2.00	2.58	
Total Xylenes*	2.32	0.150	04/30/2015	ND	5.52	91.9	6.00	2.69	
Total BTEX	3.68	0.300	04/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 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	80.0	16.0	04/29/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	27.1	10.0	04/28/2015	ND	203	101	200	0.362	
DRO >C10-C28	577	10.0	04/28/2015	ND	215	107	200	0.141	

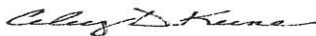
Surrogate: 1-Chlorooctane 97.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

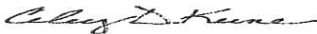
Notes and Definitions

- 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

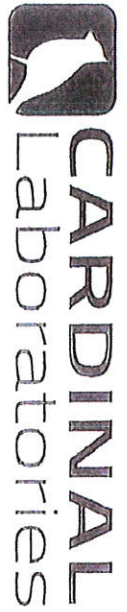
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

FILED

ANALYSIS REQUEST

Company Name: Talon/LPE
 Project Manager: D. Adkins
 Address: 408 W. Texas Ave.
 City: Artesia State: NM Zip: 88210
 Phone #: 575-746-8768 Fax #: 575-746-8905
 Project #: 20060844401 Project Owner: Dry
 Project Name: Conoco 10 State 1
 Project Location: Section T115, R29E
 Sampler Name: G. Becker
 P.O. #: _____ Company: Dry
 Attn: Chris Jones
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	CI
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1501082	0-10	X		X	X	X	X	X	X	4:34	4:44	X	X	X
	0-11	X		X	X	X	X	X	X	4:47		X	X	X
	0-12	X		X	X	X	X	X	X	4:50		X	X	X
	0-13	X		X	X	X	X	X	X	4:53		X	X	X
	0-14	X		X	X	X	X	X	X	4:56		X	X	X
	0-15	X		X	X	X	X	X	X	5:10		X	X	X
	0-16	X		X	X	X	X	X	X	5:14		X	X	X
	0-17	X		X	X	X	X	X	X	5:17		X	X	X
	0-18	X		X	X	X	X	X	X	5:20		X	X	X
	0-19	X		X	X	X	X	X	X	5:24		X	X	X

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Relinquished By: [Signature] Date: 5/15/02 Time: 18:50
 Received By: [Signature]
 Delivered By: (Circle One) UPS - Bus - Other: 540e
 Sample Condition: Cool Intact
 Checked By: [Signature]
 Remarks: WO # 0956300273, Project # 1131245, Task # 01040602, Element # 2019

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



