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

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

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

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

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

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
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GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

May 5, 2015

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

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

Dear Ms. Patterson

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

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.

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.

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'

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

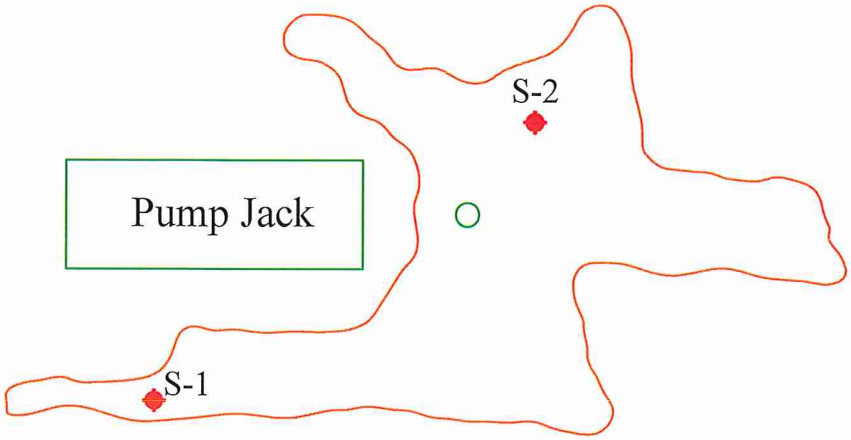
Respectfully submitted,

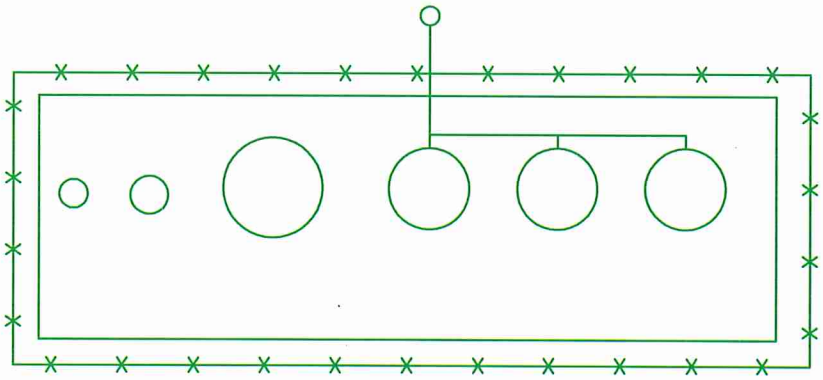
TALON/LPE

Sheldon Hitchcock
Sheldon L. Hitchcock
Project Manager

D. Adkins/SH
David J. Adkins
District Manager

SITE PLAN





Legend
- Sample Location
- Impacted Area

TALON LPE	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	Twn	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**

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

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
I	**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? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ 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:	OIL CONSERVATION DIVISION	
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 ☐
Date: **4/28/2015** Phone: **575-628-4121**		

* Attach Additional Sheets If Necessary

LABORATORY RESULTS

CARDINAL Laboratories

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 (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	<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*

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*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 (PID *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*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 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 (PID *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*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 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 (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	<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*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 - 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 (PID *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*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 - 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 (PID *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*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 - 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 (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	**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*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 - 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 (PID *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*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 - 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 (PID *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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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE	BILL TO
Project Manager: D. Adkins	P.O. #:
Address: 408 W. Texas Ave.	Company: Oxy
City: Artesia State: NM Zip: 88210	Attn: Chris Jones
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:
Project #: 700608444 01 Project Owner: Oxy	City:
Project Name: Conoco 10 State 1	State: Zip:
Project Location: Sec 10, T19S, R29E	Phone #:
Sampler Name: G. Baeza	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	TPH		BTEX		Cl
H501082																			
1	S-10'	X				X					X		4-23-14	4:44	X		X		X
2	S-11'	X				X					X			4:47	X		X		X
3	S-12'	X				X					X			4:50	X		X		X
4	S-13'	X				X					X			4:53	X		X		X
5	S-14'	X				X					X			4:56	X		X		X
6	S-20'	X				X					X			5:10	X		X		X
7	S-21'	X				X					X			5:14	X		X		X
8	S-22'	X				X					X			5:17	X		X		X
9	S-23'	X				X					X			5:20	X		X		X
10	S-24'	X				X					X			5:24	X		X		X

Relinquished By:	Date: 4-27-15 Time: 10:50	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.4°C	Sample Condition Cool ☐ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	REMARKS: WO # OP56300273 Project # 1131045 Task # 01040502 Element # 2019

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

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