



June 30, 2015

**RECEIVED**

**By JKeyes at 7:20 am, Feb 16, 2016**

**APPROVED**

**By JKeyes at 7:21 am, Feb 16, 2016**

Mr. Tomas Oberding  
NMOCD District I  
1625 N. French Dr.  
Hobbs, NM 88240

Subject: **Remediation and Closure Report**  
Oxy USA Inc.  
Prize Federal #002  
API #: 30-025-31902  
1RP-3559

Oxy USA Inc. (Oxy) had contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

#### **Background Information**

The Prize 27 Federal #002 is located approximately forty (40) miles east of Carlsbad, New Mexico. The legal location for this site is Unit Letter P, Section 27, Township 22 South and Range 32 East. More specifically the latitude and longitude for the release are 32.357199 North and -103.6561832 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 of Kermit-Palomas fine sands with 0 to 12 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age. Drainage courses in this area are normally dry. Groundwater in the project vicinity is approximately 360-feet below ground surface (bgs) according 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'

## Incident Description

The tanks overflowed due to a dump valve malfunction causing a release of 25bbbls of produced water. The facility was shut in and the valve was replaced. A vacuum truck was dispatched to the site to recover the standing fluid. Approximately 23bbbls of fluid were recovered. All of the released fluids were contained within the berms of the battery, with the exception of the light overspray on the location just west 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.

## Remedial Actions Taken

Following site assessment activities and a work plan approved by OCD and BLM, Talon mobilized personnel to perform remediation activities. The impacted areas in the vicinity of sample location S-1 and S-4 under the steel flow lines were hand-excavated to a depth of 0.5-feet.

The impacted areas S-2 and S-3 in the tank battery were hand excavated to a depth of 4-feet deep then treated with a bioremediation agent (Mircoblaze). Upon NMOCD and BLM approval of the confirmation samples a 20 mil liner will be installed in the bottom of the excavation.

All the contaminated soil will be transported to an approved disposal facility Lea Land, LLC

Clean top soil was obtained from a local borrow pit and transported to the location. The excavation was backfilled, re-contoured to match the surrounding location.

Laboratory results from the confirmation sampling events are summarized in the table below and the full lab report is presented in the [Appendix III](#).

## Laboratory Results

June 18, 2015

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-2	5'	<0.300	--	<10	<10
	6'	<0.300	--	<10	<10
S-3	5'	<0.300	--	<10	<10
	6'	<0.300	--	<10	<10

--Analyte Not Tested

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

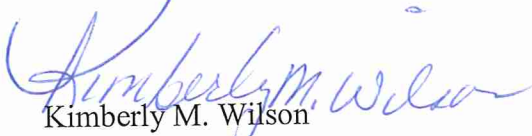
## Closure

On behalf of Oxy USA Inc. we respectfully request that no further actions be required and that closure with respect to this release be granted. A Final C-141 is also attached. See [Appendix IV](#).

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



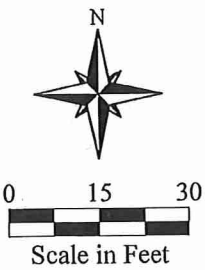
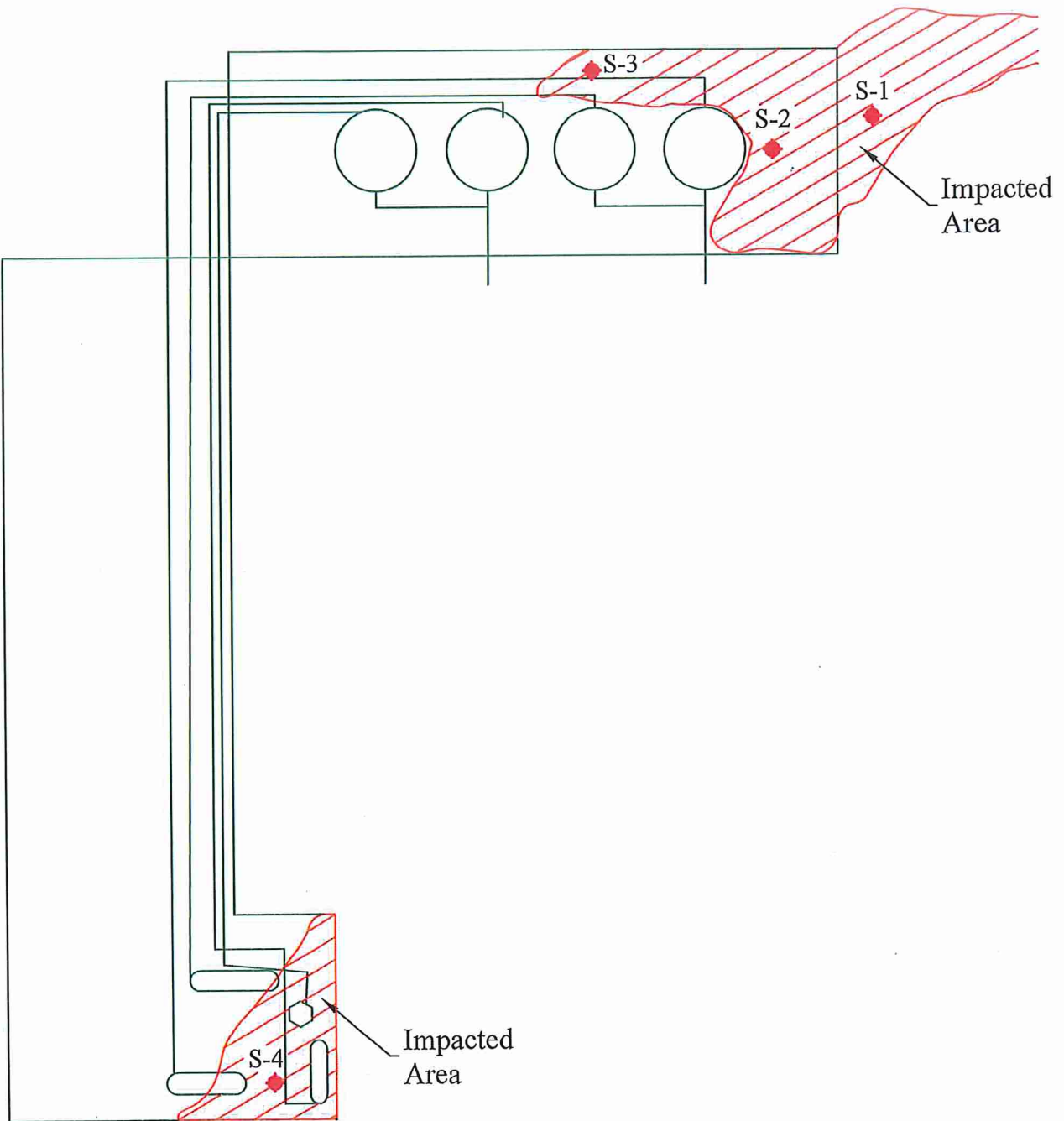
Kimberly M. Wilson  
Project Manager




David J. Adkins  
District Manager

## **APPENDIX I**

### **SITE MAP**



Legend	
	- Sample Location



Date: 03/10/2015

Scale: 1" = 30'

Drawn By: TJS

Prize 27 CTB  
 Oxy - NM - North  
 Lea County, New Mexico  
 Figure 1 - Site Plan

**APPENDIX II**  
**GROUNDWATER DATA**





# 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 02096</a>			ED	2	3	14	22S	32E		627204	3584464*	3249	435	360	75
<a href="#">C 02349</a>			ED	2	3	03	23S	32E		625678	3578004*	3616	525		

Average Depth to Water: 360 feet

Minimum Depth: 360 feet

Maximum Depth: 360 feet

Record Count: 2

### Basin/County Search:

County: Eddy

### UTM NAD83 Radius Search (in meters):

Easting (X): 625632

Northing (Y): 3581620

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.

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





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

June 18, 2015

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PRIZE FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 06/11/15 11:30.

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

Received: 06/11/2015  
Reported: 06/18/2015  
Project Name: PRIZE FEDERAL #2  
Project Number: 700608.418.01  
Project Location: P-27-22S-32E

Sampling Date: 06/10/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: S-2 5' (H501514-01)**

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	06/15/2015	ND	1.95	97.5	2.00	0.740	
Toluene*	<0.050	0.050	06/15/2015	ND	1.95	97.7	2.00	1.01	
Ethylbenzene*	<0.050	0.050	06/15/2015	ND	2.03	101	2.00	0.362	
Total Xylenes*	<0.150	0.150	06/15/2015	ND	5.61	93.5	6.00	0.481	
Total BTEX	<0.300	0.300	06/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 61-154

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	06/12/2015	ND	175	87.4	200	1.24	
DRO >C10-C28	<10.0	10.0	06/12/2015	ND	191	95.7	200	0.512	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 127 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 06/11/2015  
Reported: 06/18/2015  
Project Name: PRIZE FEDERAL #2  
Project Number: 700608.418.01  
Project Location: P-27-22S-32E

Sampling Date: 06/10/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: S-2 6' (H501514-02)**

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	06/15/2015	ND	1.95	97.5	2.00	0.740	
Toluene*	<0.050	0.050	06/15/2015	ND	1.95	97.7	2.00	1.01	
Ethylbenzene*	<0.050	0.050	06/15/2015	ND	2.03	101	2.00	0.362	
Total Xylenes*	<0.150	0.150	06/15/2015	ND	5.61	93.5	6.00	0.481	
Total BTX	<0.300	0.300	06/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 61-154

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	06/12/2015	ND	175	87.4	200	1.24	
DRO >C10-C28	<10.0	10.0	06/12/2015	ND	191	95.7	200	0.512	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	06/11/2015	Sampling Date:	06/10/2015
Reported:	06/18/2015	Sampling Type:	Soil
Project Name:	PRIZE FEDERAL #2	Sampling Condition:	** (See Notes)
Project Number:	700608.418.01	Sample Received By:	Jodi Henson
Project Location:	P-27-22S-32E		

**Sample ID: S-3 5' (H501514-03)**

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	06/15/2015	ND	1.95	97.5	2.00	0.740	
Toluene*	<0.050	0.050	06/15/2015	ND	1.95	97.7	2.00	1.01	
Ethylbenzene*	<0.050	0.050	06/15/2015	ND	2.03	101	2.00	0.362	
Total Xylenes*	<0.150	0.150	06/15/2015	ND	5.61	93.5	6.00	0.481	
Total BTEX	<0.300	0.300	06/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 61-154

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	06/12/2015	ND	175	87.4	200	1.24	
DRO >C10-C28	<10.0	10.0	06/12/2015	ND	191	95.7	200	0.512	

Surrogate: 1-Chlorooctane 99.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 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  
KIMBERLY WILSON  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	06/11/2015	Sampling Date:	06/10/2015
Reported:	06/18/2015	Sampling Type:	Soil
Project Name:	PRIZE FEDERAL #2	Sampling Condition:	** (See Notes)
Project Number:	700608.418.01	Sample Received By:	Jodi Henson
Project Location:	P-27-22S-32E		

**Sample ID: S-3 6' (H501514-04)**

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	06/15/2015	ND	1.95	97.5	2.00	0.740	
Toluene*	<0.050	0.050	06/15/2015	ND	1.95	97.7	2.00	1.01	
Ethylbenzene*	<0.050	0.050	06/15/2015	ND	2.03	101	2.00	0.362	
Total Xylenes*	<0.150	0.150	06/15/2015	ND	5.61	93.5	6.00	0.481	
Total BTEX	<0.300	0.300	06/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 61-154

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	06/12/2015	ND	175	87.4	200	1.24	
DRO >C10-C28	<10.0	10.0	06/12/2015	ND	191	95.7	200	0.512	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 129 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**


ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





ANALYSIS REQUEST

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



**FINAL C-141**

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: <b>OXY USA Inc.</b>	Contact: <b>Casey Summers</b>
Address: <b>102 S. Main St. Carlsbad, NM 88220</b>	Telephone No.: <b>575-513-8289</b>
Facility Name: <b>Prize 27 Federal #2</b>	Facility Type: <b>Battery</b>

Surface Owner: <b>Federal</b>	Mineral Owner:	API No.: <b>30-025-31902</b> Lease No: <b>NM-81272</b>
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**LOCATION OF RELEASE**

Unit Letter <b>P</b>	Section <b>27</b>	Township <b>22S</b>	Range <b>32E</b>	Feet from the <b>660'</b>	North/South Line <b>South</b>	Feet from the <b>660'</b>	East/West Line <b>East</b>	County <b>Lea</b>
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Latitude **32.357199 N** Longitude **-103.6561832 W**

**NATURE OF RELEASE**

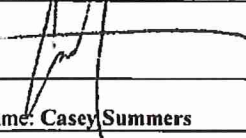

Type of Release: <b>Produced Water</b>	Volume of Release: <b>25 bbls PW</b>	Volume Recovered: <b>23 bbls</b>
Source of Release: <b>Dump valve malfunctioned</b>	Date and Hour of Occurrence <b>2/25/2015</b>	Date and Hour of Discovery <b>2/25/2015 @ 8:00 am</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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.\* Tanks over flowed due to failure of the dump vae malfunction causing a release of 25 barrels of produced water. The facility was shut in and the valve was replaced. A vac truck was called to the location and recovered 23 barrels of fluids. The area affected was within the berms of the facility with an overspray area just west of the battery on location.

Describe Area Affected and Cleanup Action Taken.\* Talon/LPE was contracted to do the remediation activities for the above referenced release and pursuant to an approved Soil Remediation Plan by both the BLM and NMOCD the impacted areas were excavated accordingly.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Casey Summers</b>		Approved by Environmental Specialist: 	
Title: <b>HES Specialist</b>		Approval Date: <b>02/16/2016</b>	Expiration Date: <b>///</b>
E-mail Address: <b>Casey_Summers@oxy.com</b>		Conditions of Approval:	
Date: <b>1/19/2016</b> Phone: <b>575-513-8289</b>		Attached <input type="checkbox"/> <b>2RP 3559</b>	

\* Attach Additional Sheets If Necessary















