

# Closure Report

**RECEIVED**

MAR 27 2014

**NMOCD ARTESIA**

## Site Description

Site Name:	Old Ranch Canyon 7 Federal #5Y
Company:	Oxy Permian Ltd.
Legal Description:	U/L C, Section 7, T22S, R24E
County:	Eddy County, NM
GPS Coordinates:	N 32.40937° W 103.53740°

## Release Data

Date of Release:	12/20/2013
Type of Release:	Produced water
Source of Release:	Failure of a Victaulic clamp on a 1.5" steel line
Volume of Release:	15 bbls
Volume Recovered:	5 bbls

## Remediation Specifications

Remediation Parameters:	Excavate to a depth of 3 to 6 inches across the entire leak area. Then, backfill the site with clean soil.
Remediation Activities:	03/03/2014 to 03/13/2014

Plan Sent to OCD:	02/20/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	Verbal	Verbal approval from Bratcher to Brunson
Plan Sent to BLM:	02/20/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	02/24/2014	Email from J. Van Curen to Cliff Brunson

## Supporting Documentation

Initial C-141	Signed 01/09/2014
Final C-141	Signed 03/20/2014
Site Diagram	January 2014
Groundwater Plot	75'
TOPO Maps	January 2014
Lab Summary	01/23/2014
Lab Analysis	01/23/2014
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.

03/24/2014

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

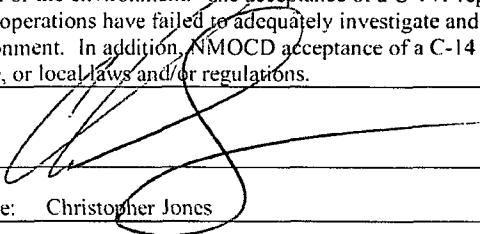
Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Old Ranch Canyon 7 Federal #5y	Facility Type	Well Location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-30653

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	7	22S	24E	1315	North	2315	West	Eddy County, NM

Latitude N 32.40886° Longitude W 104.53740°

#### NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	15 bbls	Volume Recovered	5 bbls
Source of Release	Failure of a Victaulic clamp on a 1.5" steel line	Date and Hour of Occurrence	12/20/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	M. Bratcher, J.M. Warren- OCD, J. Amos, J. Van Curen- BLM		
By Whom?	Christopher Jones	Date and Hour	12/20/2013 @ 3:33 pm		
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 failure of a Victaulic clamp on a 1.5" steel line caused 15 bbls of produced water to leak onto the ground. 5 bbls of produced water were recovered via vacuum truck and the clamp was repaired or replaced.					
Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 50' x 150'. Remediation will be completed in accordance with a plan approved by NMOCD and the BLM.					
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: Christopher Jones		Approved by District Supervisor:			
Title: HES Specialist		Approval Date:		Expiration Date:	
E-mail Address: Christopher_Jones@oxy.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 1/9/14		Phone: (575) 628-4121			

\* Attach Additional Sheets If Necessary

District I  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
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side of form

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Old Ranch Canyon 7 Federal #5y	Facility Type	Well Location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-30653

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By Whom?	Christopher Jones	Date and Hour	12/20/2013 @ 3:33 pm		
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Describe Cause of Problem and Remedial Action Taken.* The failure of a Victaulic clamp on a 1.5" steel line caused 15 bbls of produced water to leak onto the ground. 5 bbls of produced water were recovered via vacuum truck and the clamp was repaired or replaced.					
Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 50' x 150'. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via verbal approval and approved by Jennifer Van Curen of the BLM via email on 02/24/2014.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					

#### OIL CONSERVATION DIVISION

Signature:	Approved by District Supervisor:		
Printed Name: Christopher Jones			
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 3/20/14	Phone: (575) 628-4121		

\* Attach Additional Sheets If Necessary



Oxy  
Old Ranch Canyon 7 Federal #5Y

Entrance to  
Location

Vessel

Leak Area  
40' x 30'

SP1

Leak point + Stake

  
Well head

Location

U/L C, Section 7, T22S, R24E  
1315' FNL and 2315' FWL  
Eddy County, NM  
GPS at stake: N 32.40937° W 104.53775°  
API# 30-015-30653

BBC International, Inc.

Oxy  
Old Ranch Canyon Federal #5Y

Date: 01/27/2014

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013

# Groundwater Plot

Oxy Old Ranch Canyon 7 Federal #5Y

County  
Eddy

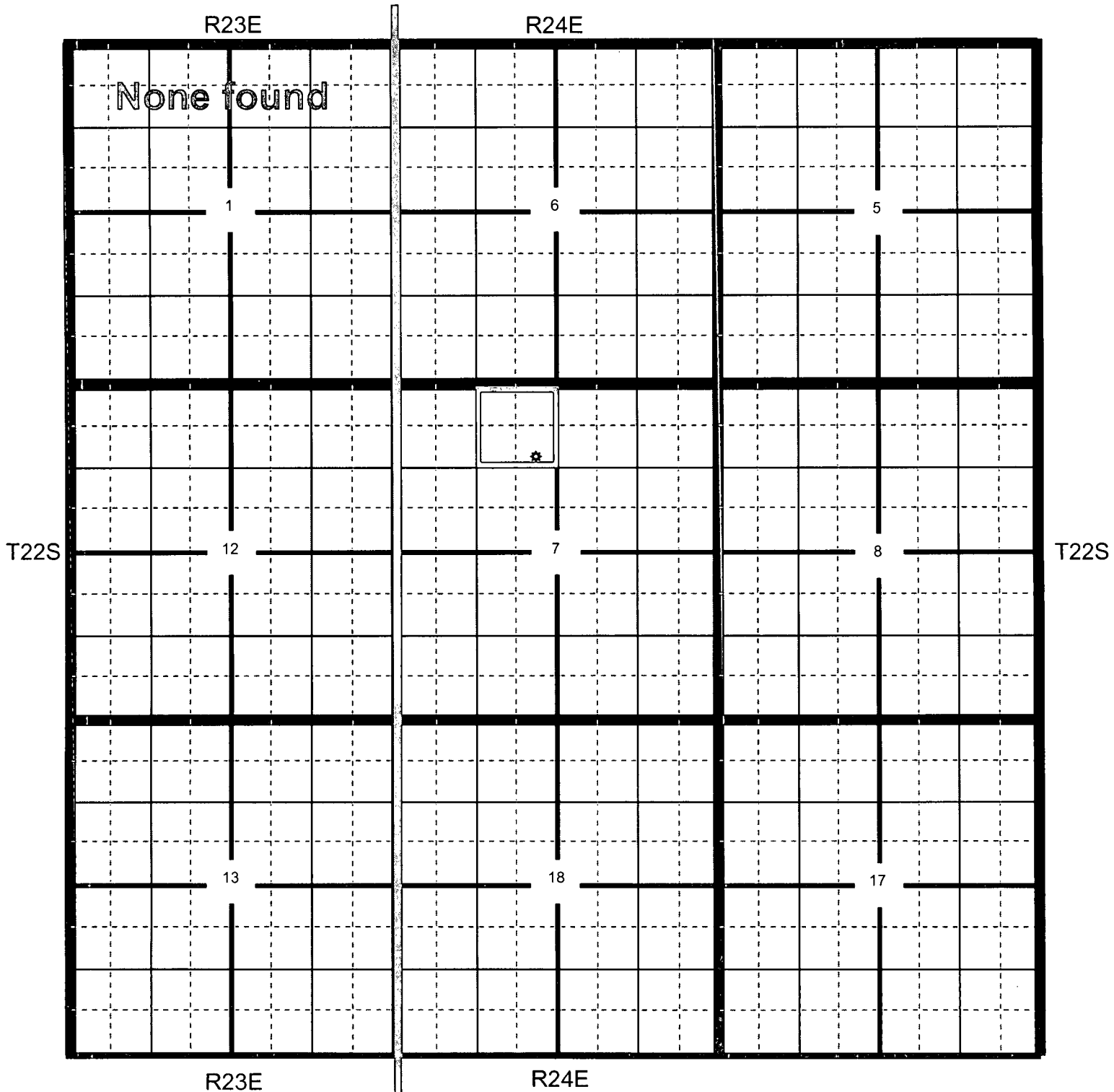
Unit Letter  
C

Section  
7

Township  
22S

Range  
24E

Trend Map 75'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases

# Oxy Old Ranch Canyon 7 Federal #5Y

County  
Eddy

Unit Letter  
C

Section  
7

Township  
22S

Range  
24E

Trend Map 75'

1

2

NW/NW Unit Letter D	NE/NW Unit Letter C ☼	NW/NE Unit Letter B	NE/NE None found Unit Letter A
SW/NW Unit Letter E	SE/NW Unit Letter F	SW/NE Unit Letter G	SE/NE Unit Letter H
NW/SW Unit Letter L	NE/SW Unit Letter K	NW/SE Unit Letter J	NE/SE Unit Letter I
SW/SW Unit Letter M	SE/SW Unit Letter N	SW/SE Unit Letter O	SE/SE Unit Letter P

3

4

☼ Location

○ OCD

○ USGS

○ SEO

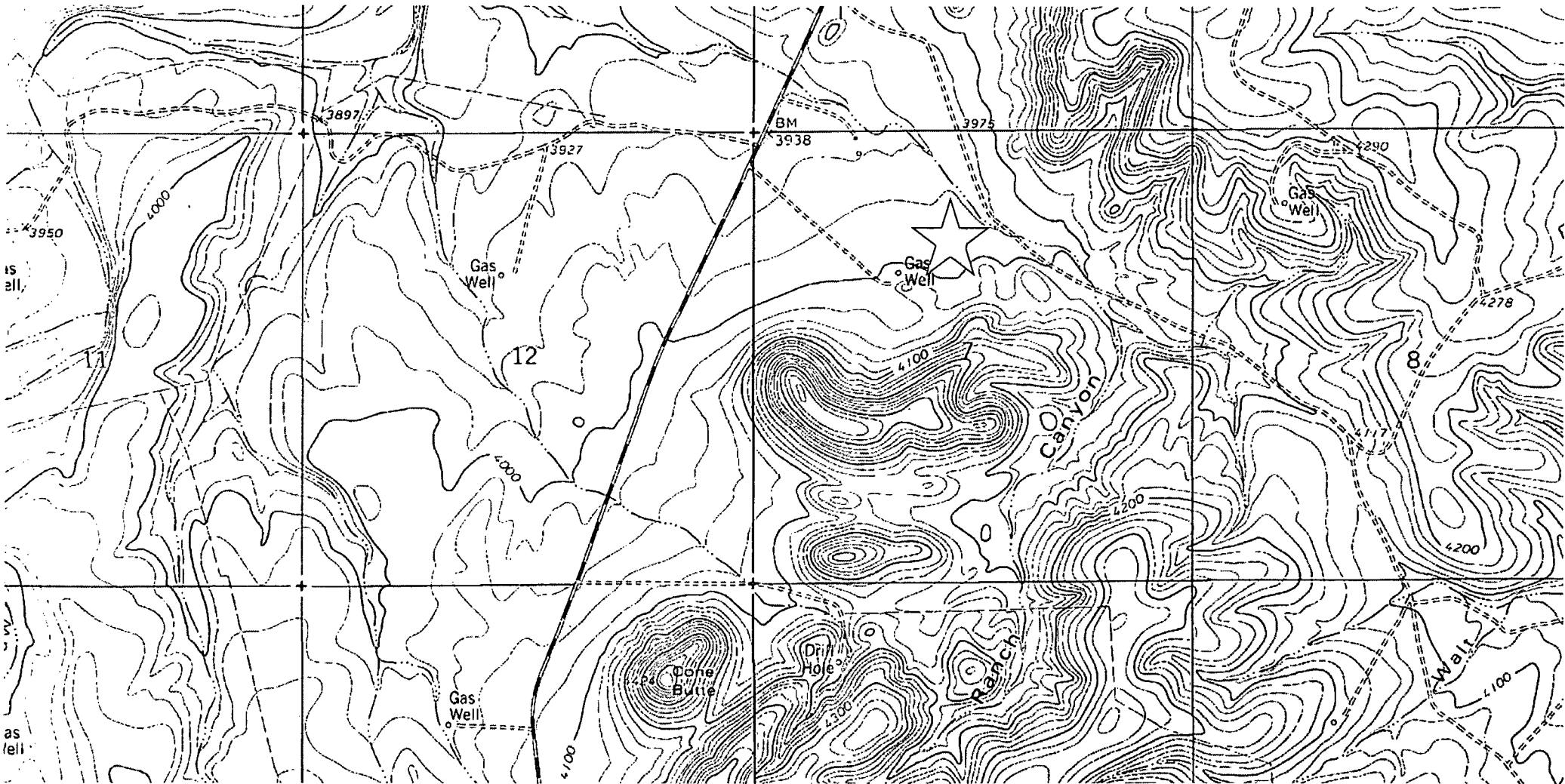
● All Databases

1125 5049 1 25--SERIES 7681

Oxy

Old Ranch Canyon 7

Federal #5Y





**Laboratory Analytical Results Summary**  
**Old Ranch Canyon 7 Federa #5Y**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'
Analyte	Method	Date	1/23/14	1/23/14	1/23/14	1/23/14	1/23/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0	<b>32</b>	<b>48</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
<b>DRO</b>	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

January 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH CANYON 75 Y

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

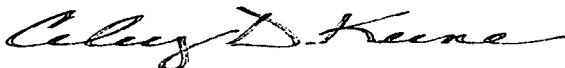
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Caley D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/27/2014  
Reported: 01/31/2014  
Project Name: OLD RANCH CANYON 75 Y  
Project Number: NONE GIVEN  
Project Location: INDIAN BASIN

Sampling Date: 01/23/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H400245-01)**

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	01/30/2014	ND	2.44	122	2.00	0.161		
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126

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	01/30/2014	ND	400	100	400	0.00	

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	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 86.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

 Received: 01/27/2014  
 Reported: 01/31/2014  
 Project Name: OLD RANCH CANYON 75 Y  
 Project Number: NONE GIVEN  
 Project Location: INDIAN BASIN

 Sampling Date: 01/23/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H400245-02)**

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	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTEX	<0.300	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126

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	01/30/2014	ND	400	100	400	0.00	

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	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

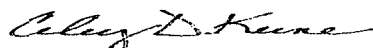
**Sample ID: SP 1 @ 4' (H400245-03)**

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	01/30/2014	ND	400	100	400	0.00	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/27/2014  
Reported: 01/31/2014  
Project Name: OLD RANCH CANYON 75 Y  
Project Number: NONE GIVEN  
Project Location: INDIAN BASIN

Sampling Date: 01/23/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 6' (H400245-04)**

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	01/30/2014	ND	400	100	400	0.00	

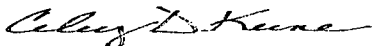
**Sample ID: SP 1 @ 8' (H400245-05)**

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	01/30/2014	ND	400	100	400	0.00		

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\*=Accredited Analyte

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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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



## Page 6 of 6

Relinquished By: 		Date: 1-24-14	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 8:00				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: 		Date: 1-27-14	Received By: 	REMARKS:	
Time: 9:00					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) K		
-1.2°C					

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

#54

## Kathy Purvis

---

**From:** Van Curen, Jennifer <jvancure@blm.gov>  
**Sent:** Monday, February 24, 2014 6:42 AM  
**To:** Cliff P. Brunson  
**Cc:** Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Re: Oxy-Old Ranch Canyon 7 Federal #5Y-Remediation Plan

Chris,

Plan is approved.

JENNIFER E VAN CUREN  
ENVIRONMENTAL PROTECTION SPECIALIST  
DOI-BLM-CARLSBAD FIELD OFFICE  
320 E GREENE ST. CARLSBAD, NM 88220  
OFFICE- 575-234-5905  
CELL - 575-361-0042  
FAX - 575-234-5927

On Thu, Feb 20, 2014 at 7:35 PM, Cliff P. Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)> wrote:  
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy will excavate to a depth of 3 to 6 inches across the entire leak area as shown on the diagram. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*

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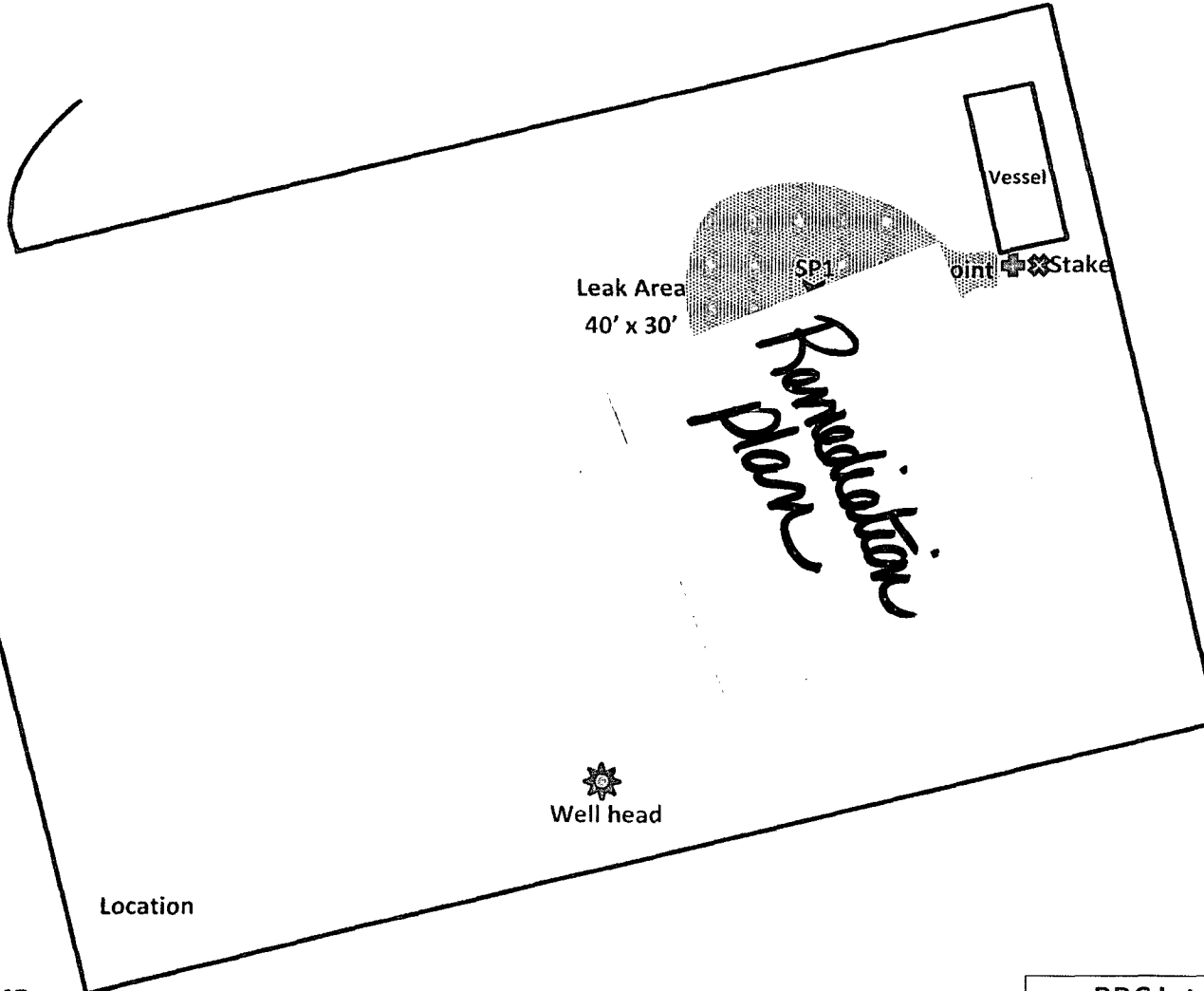
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Oxy  
Old Ranch Canyon 7 Federal #5Y

Entrance to  
Location



Location

U/L C, Section 7, T22S, R24E  
1315' FNL and 2315' FWL  
Eddy County, NM  
GPS at stake: N 32.40937° W 104.53775°  
API# 30-015-30653

BBC International, Inc.	
Oxy	
Old Ranch Canyon Federal #5Y	
Date: 01/27/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



# Groundwater Plot

## Oxy Old Ranch Canyon 7 Federal #5Y

County  
Eddy

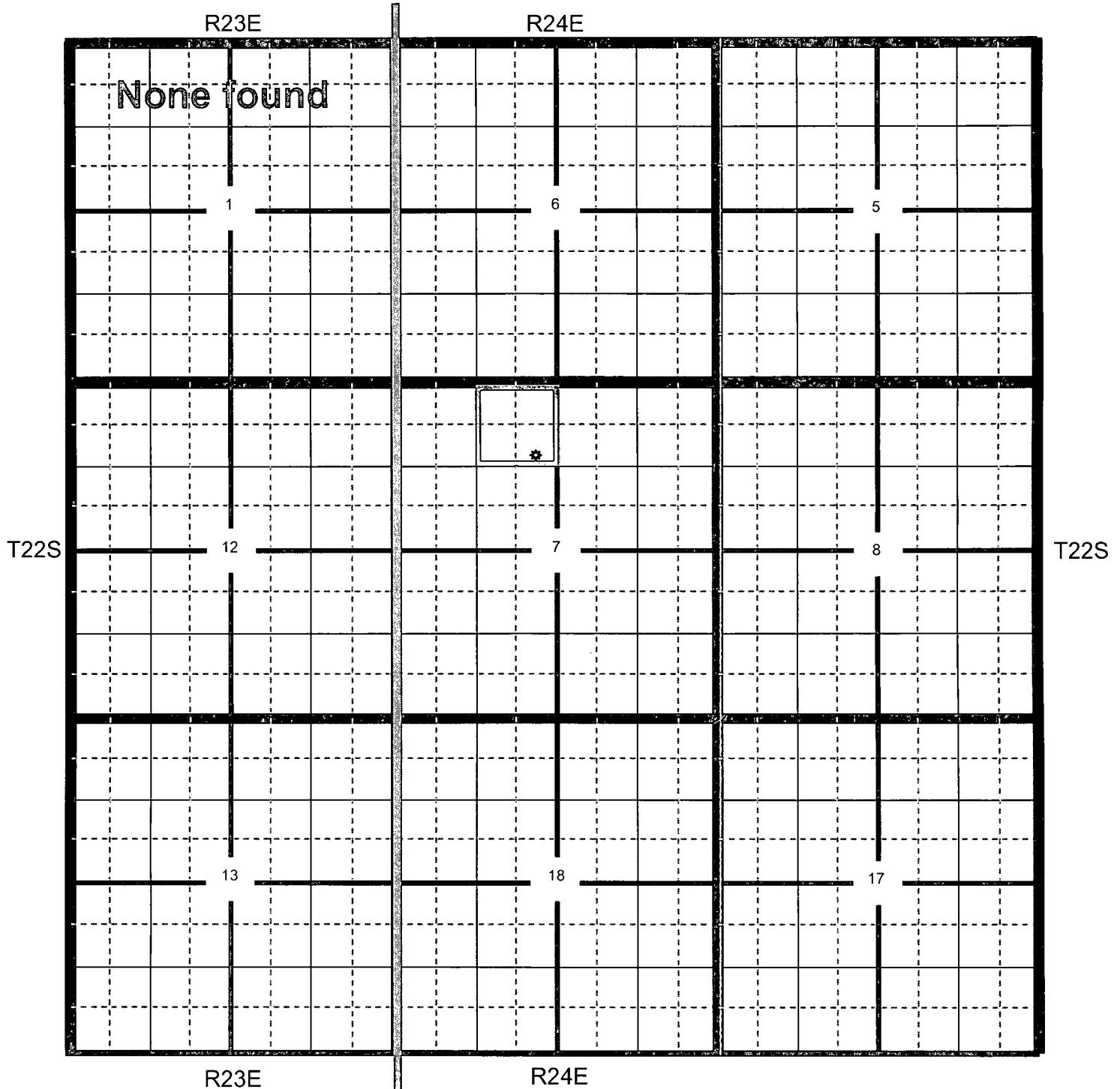
Unit Letter  
C

Section  
7

Township  
22S

Range  
24E

Trend Map 75'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters

Oxy Old Ranch Canyon 7 Federal #5Y

County  
Eddy

Unit Letter  
C

Section  
7


Township  
22S

Range  
24E

Trend Map 75'


1

2

NW/NW  Unit Letter D	NE/NW  Unit Letter C 	NW/NE  Unit Letter B	NE/NE None found  Unit Letter A
SW/NW  Unit Letter E	SE/NW  Unit Letter F	SW/NE  Unit Letter G	SE/NE  Unit Letter H
NW/SW  Unit Letter L	NE/SW  Unit Letter K	NW/SE  Unit Letter J	NE/SE  Unit Letter I
SW/SW  Unit Letter M	SE/SW  Unit Letter N	SW/SE  Unit Letter O	SE/SE  Unit Letter P

3

4

 Location

 OCD

 USGS

 SEO

 All Databases

**Laboratory Analytical Results Summary**  
**Old Ranch Canyon 7 Federa #5Y**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'
Analyte	Method	Date	1/23/14	1/23/14	1/23/14	1/23/14	1/23/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0	<b>32</b>	<b>48</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
<b>DRO</b>	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a



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

---

January 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH CANYON 75 Y

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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,

Caley D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/27/2014  
Reported: 01/31/2014  
Project Name: OLD RANCH CANYON 75 Y  
Project Number: NONE GIVEN  
Project Location: INDIAN BASIN

Sampling Date: 01/23/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H400245-01)**

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	01/30/2014	ND	2.44	122	2.00	0.161		
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 89.4-126

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	01/30/2014	ND	400	100	400	0.00		

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	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

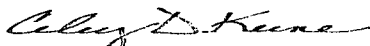
Surrogate: 1-Chlorooctane 86.7 % 63.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

 Received: 01/27/2014  
 Reported: 01/31/2014  
 Project Name: OLD RANCH CANYON 75 Y  
 Project Number: NONE GIVEN  
 Project Location: INDIAN BASIN

 Sampling Date: 01/23/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H400245-02)**

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	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTEx	<0.300	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126

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	01/30/2014	ND	400	100	400	0.00	

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	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154


**Sample ID: SP 1 @ 4' (H400245-03)**

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	01/30/2014	ND	400	100	400	0.00		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/27/2014  
Reported: 01/31/2014  
Project Name: OLD RANCH CANYON 75 Y  
Project Number: NONE GIVEN  
Project Location: INDIAN BASIN

Sampling Date: 01/23/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 6' (H400245-04)**

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	01/30/2014	ND	400	100	400	0.00	

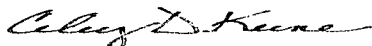
**Sample ID: SP 1 @ 8' (H400245-05)**

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	01/30/2014	ND	400	100	400	0.00	

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\* = Accredited Analyte

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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

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL-</div> </div>											
Address: P.O. Box 805				Company:															
City: Hobbs		State: NM Zip: 88241		Attn:															
Phone #: 575-397-6388		Fax #: 575-397-0397		Address: SAME															
Project #:		Project Owner: PKY		City:															
Project Name: Old Ranch Canyon 7.5V				State: Zip:															
Project Location: Indian Basin				Phone #:															
Sampler Name: JER HERNANDEZ				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G/RAB OR C/OMP)		# CONTAINERS		MATRIX		PRESERV.		SAMPLING							
								GROUNDWATER											
								WASTEWATER											
								SOIL											
								SLUDGE											
								OTHER:											
								ACID/BASE:											
								ICE / COOL											
								OTHER:											
										DATE		TIME							
H400245		SP1 @ 1'		1		1						1-23-14		147					
3		SP1 @ 2'		1		1						1-23-14		105					
4		SP1 @ 4'		1		1						1-23-14		241					
5		6'		1		1						1-23-14		315					
		8'		1		1						1-23-14		338					

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Relinquished By: JER HERNANDEZ		Date: 1-24-14		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By: [Signature]		Date: 1-27-14		Received By: [Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Time: 8:00		Time: 9:00		REMARKS:			
Sampler - UPS - Bus - Other: -1.2°C		Sample Condition		CHECKED BY: (Initials)					
		Cool Intact		[Signature]					
		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No					

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

H54



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

---

January 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH CANYON 75 Y

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/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, reading "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/27/2014  
Reported: 01/31/2014  
Project Name: OLD RANCH CANYON 75 Y  
Project Number: NONE GIVEN  
Project Location: INDIAN BASIN

Sampling Date: 01/23/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H400245-01)**

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	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTEX	<0.300	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 89.4-126

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	01/30/2014	ND	400	100	400	0.00	

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	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 86.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/27/2014  
Reported: 01/31/2014  
Project Name: OLD RANCH CANYON 75 Y  
Project Number: NONE GIVEN  
Project Location: INDIAN BASIN

Sampling Date: 01/23/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H400245-02)**

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	01/30/2014	ND	2.44	122	2.00	0.161		
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152		
Total BTEx	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 89.4-126

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	01/30/2014	ND	400	100	400	0.00		

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	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

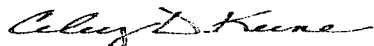
**Sample ID: SP 1 @ 4' (H400245-03)**

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	01/30/2014	ND	400	100	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received:	01/27/2014	Sampling Date:	01/23/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	OLD RANCH CANYON 75 Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

**Sample ID: SP 1 @ 6' (H400245-04)**

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	01/30/2014	ND	400	100	400	0.00	

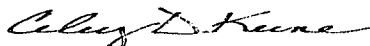
**Sample ID: SP 1 @ 8' (H400245-05)**

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	01/30/2014	ND	400	100	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

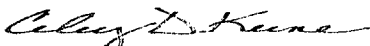
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received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

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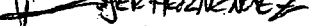


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Relinquished By: 		Date: 1-24-14	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 8:00				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: 		Date: 1-27-14	Received By: 	REMARKS:	
Time: 9:00					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No			
-1.2°C		CHECKED BY: (Initials) 			

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

#54



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Old Ranch Canyon 7 Federal #5y	Facility Type	Well Location

Surface Owner	BLM	Mineral Owner		API No.	30-015-30653
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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
C	7	22S	24E	1315	North	2315	West	Eddy County, NM

Latitude N 32.40886° Longitude W 104.53740°

#### NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	15 bbls	Volume Recovered	5 bbls
Source of Release	Failure of a Victaulic clamp on a 1.5" steel line	Date and Hour of Occurrence	12/20/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	M. Bratcher, J.M. Warren- OCD, J. Amos, J. Van Curen- BLM		
By Whom?	Christopher Jones	Date and Hour	12/20/2013 @ 3:33 pm		
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 failure of a Victaulic clamp on a 1.5" steel line caused 15 bbls of produced water to leak onto the ground. 5 bbls of produced water were recovered via vacuum truck and the clamp was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 50' x 150'. Remediation will be completed in accordance with a plan approved by NMOCD and the BLM.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

#### OIL CONSERVATION DIVISION

Signature:

Printed Name: Christopher Jones

Title: HES Specialist

E-mail Address: Christopher\_Jones@oxy.com

Date: 1/9/14

Phone: (575) 628-4121

Approved by District Supervisor:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

\* Attach Additional Sheets If Necessary