

# Closure Report

## Site Description

Site Name:	Federal 12 #001 South CTB
Company:	Oxy Permian
Legal Description:	U/L M, Section 12, T22S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.40031° W 103.73792°

## Release Data

Date of Release:	08/05/2016
Type of Release:	Oil and produced water
Source of Release:	Pump failure caused the tank to spill over
Volume of Release:	2 bbls oil, 12 bbls produced water
Volume Recovered:	7 bbls

## Remediation Specifications

Remediation Parameters:	Excavate the leak area to a depth of 1.5 feet. Backfill the excavation with clean soil.	
Remediation Activities:	December 2016	
Plan Sent to OCD:	09/23/2016	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	09/28/2016	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	09/23/2016	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	10/04/2016	Email from Shelly Tucker to Cliff Brunson

## Supporting Documentation

Initial C-141	Signed 08/18/2016
Final C-141	Signed 01/11/2017
Site Diagram	August 2016
Groundwater Plot	150'-175'
TOPO Maps	August 2016
Lab Summary	08/25/2016-08/26/2016 and 10/25/2016
Lab Analysis	08/25/2016-08/26/2016 and 10/25/2016
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.

01/20/2016

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

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	Federal 12 #001 South CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-26742

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	12	22S	31E					Eddy County, NM

Latitude N 32.40031° Longitude W 103.73792°

### NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	2 bbls oil, 12 bbls produced water	Volume Recovered	7 bbls
Source of Release	Pump failure caused the tank to spill over	Date and Hour of Occurrence	08/05/2016	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?	Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy@ BBC International, Inc.	Date and Hour	08/05/2016 @ 5:18 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.\*

Pump failure caused the tank to spill over and leak 2 bbls of oil and 12 bbls of produced water. A vacuum truck recovered 7 bbls of fluids and the pump was restored back to working condition.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 48' x 117' on location inside the berm of the battery. Remediation will be completed in accordance with a plan approved by both 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: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: <a href="mailto:Casey_Summers@oxy.com">Casey_Summers@oxy.com</a>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>8-18-16</u> Phone: (575) 513-8289			

\* Attach Additional Sheets If Necessary

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 Permian Ltd.	Contact	Casey Summers
Address	PO Box 4294; Houston, TX 77210	Telephone No.	(575) 513-8289
Facility Name	Federal 12 #001 South CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	API No. 30-015-26742

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	12	22S	31E					Eddy County, NM

Latitude N 32.40031° Longitude W 103.73792°

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	2 bbls oil, 12 bbls produced water	Volume Recovered	7 bbls
Source of Release	Pump failure caused the tank to spill over	Date and Hour of Occurrence	08/05/2016	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?	Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy@ BBC International, Inc.	Date and Hour	08/05/2016 @ 5:18 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.\*

Pump failure caused the tank to spill over and leak 2 bbls of oil and 12 bbls of produced water. A vacuum truck recovered 7 bbls of fluids and the pump was restored back to working condition.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 48' x 117' on location inside the berm of the battery. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 09/28/2016 and approved by Shelly Tucker of the BLM via email on 10/04/2016.

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: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1-11-17	Phone: (575) 513-8289		

\* Attach Additional Sheets If Necessary

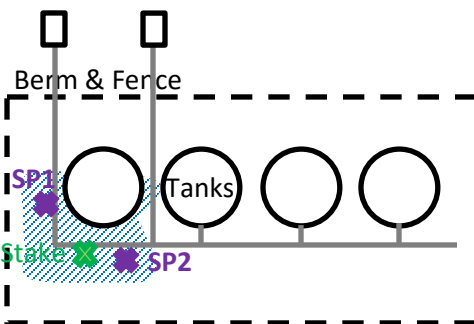


Oxy

Federal 12 #001 South CTB (8/5/16)

1.5' Excavation across entire leak area

48' x 117'



Road

U/L M, Section 12, T22S, R31E

Eddy County, NM

N 32.40031° W 103.73792°

API# 30-015-26742

BBC International, Inc.

Oxy

Federal 12 #001 South CTB

Date: 08/18/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016



# Groundwater Plot

Oxy Federal 12 #001 South CTB

County  
Eddy County

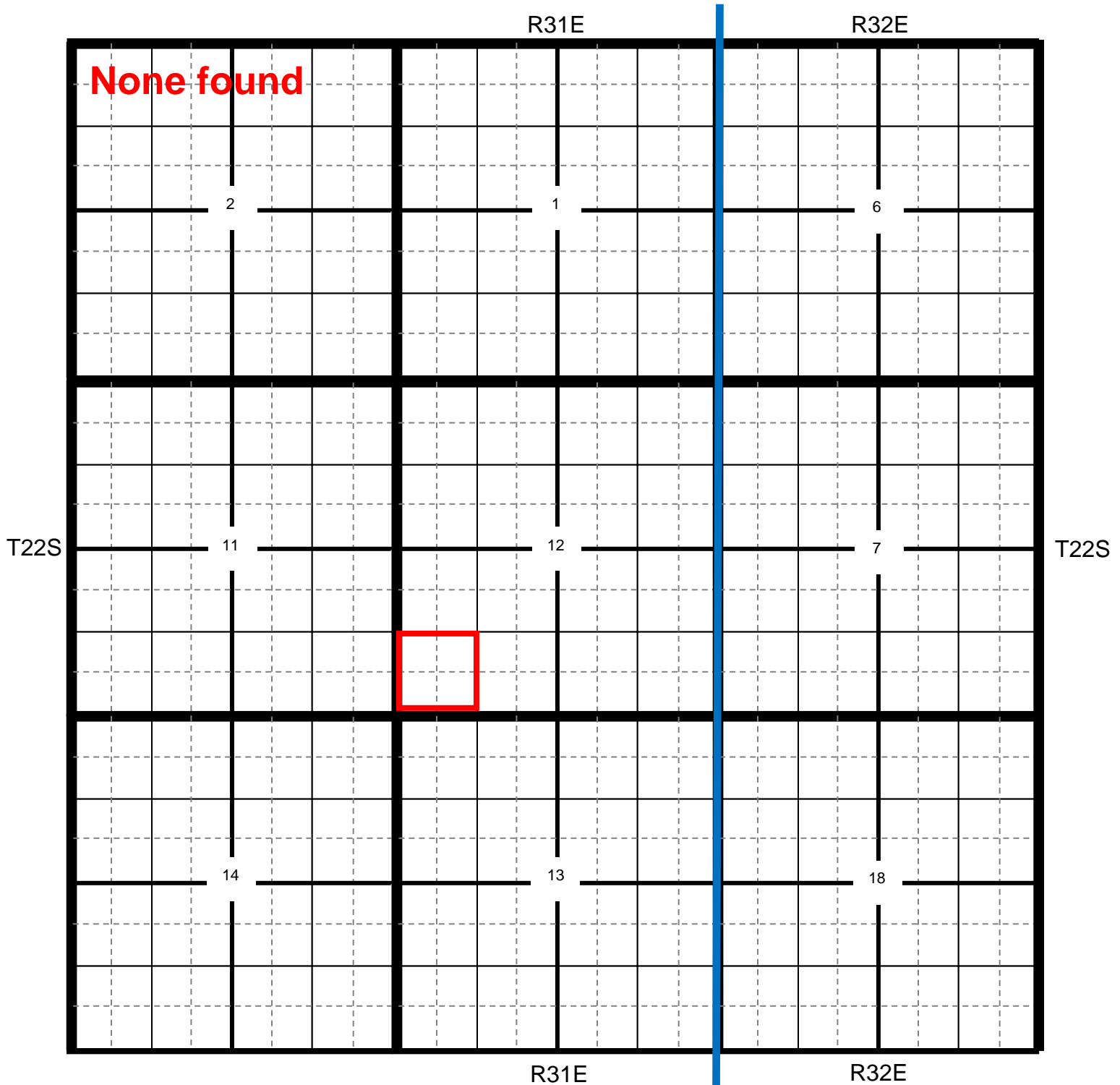
Unit Letter  
M

Section  
12

Township  
22S

Range  
31E

Trend Map 150'-175'



★ Location

● OCD

● USGS

● SEO

● All Databases

## Oxy Federal 12 #001 South CTB

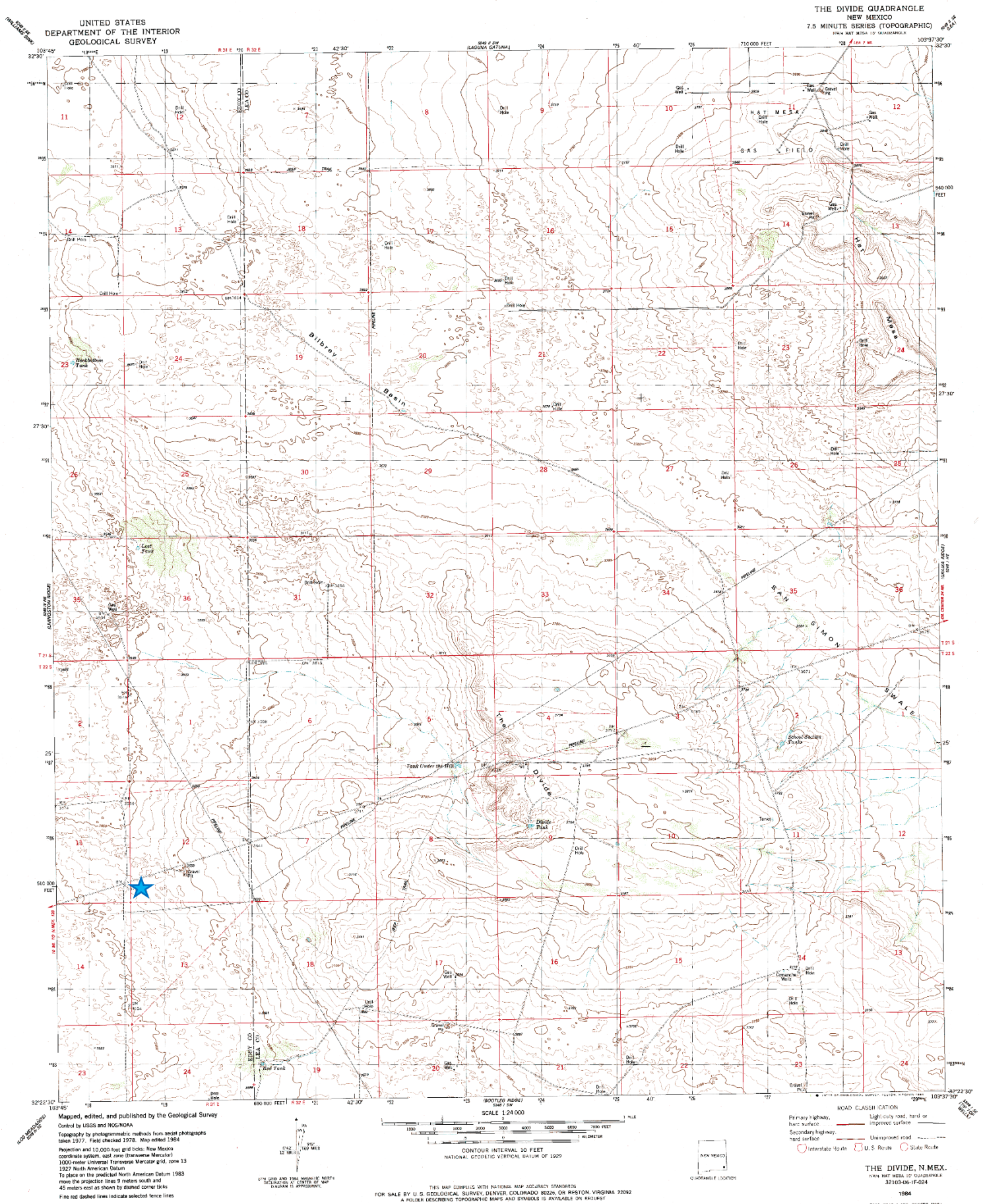
<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Eddy	M	12	22	31

Trend Map 150'-175'

1		2	
NW/NW <b>None found</b>	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P
3		4	

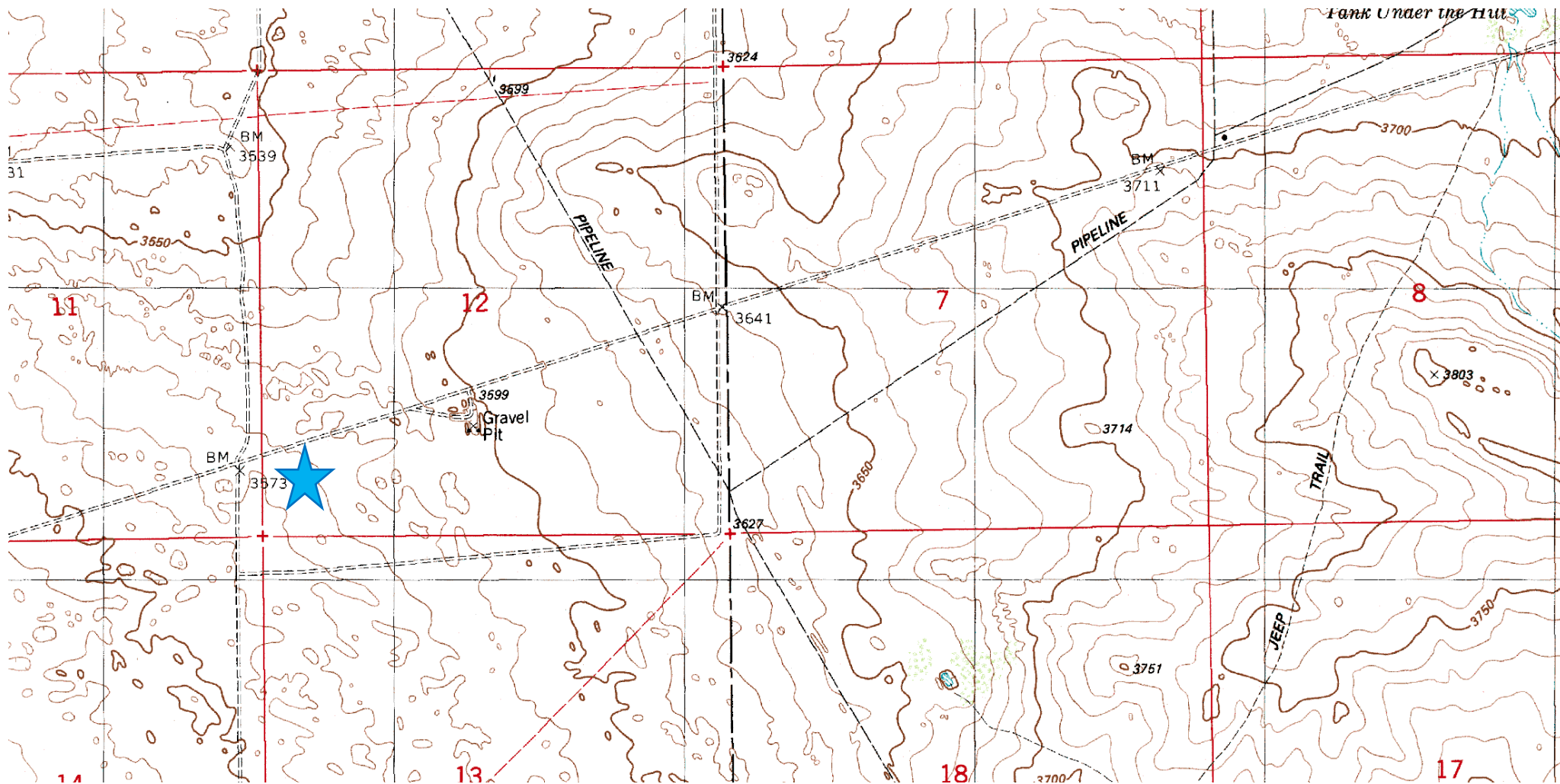


Oxy



# Oxy

## Federal 12 #001 South CTB





**Laboratory Analytical Results Summary  
Federal 12 #001**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	8/25/16	8/26/16	8/26/16	8/26/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<b>0.08</b>	<0.050	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<b>0.807</b>	<b>0.391</b>	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<b>2.08</b>	<0.150	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<b>2.96</b>	<b>0.391</b>	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<b>3840</b>	<b>736</b>	<b>480</b>	<b>464</b>
<b>GRO</b>	TPH 8015M		<b>31.5</b>	<10.0	n/a	n/a
<b>DRO</b>	TPH 8015M		<b>1130</b>	<b>195</b>	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	8/25/16	8/26/16	8/26/16	8/26/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<b>0.259</b>	<b>0.436</b>	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<b>0.534</b>	<0.150	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<b>0.793</b>	<b>0.436</b>	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<b>6560</b>	<b>720</b>	<b>256</b>	<b>448</b>
<b>GRO</b>	TPH 8015M		<b>15.2</b>	<10.0	n/a	n/a
<b>DRO</b>	TPH 8015M		<b>545</b>	<b>420</b>	n/a	n/a

September 02, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 12 #001

Enclosed are the results of analyses for samples received by the laboratory on 08/29/16 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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:**

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

Received: 08/29/2016  
Reported: 09/02/2016  
Project Name: FEDERAL 12 #001  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 08/25/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H601937-01)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2016	ND	2.23	111	2.00	5.54	
Toluene*	0.080	0.050	08/30/2016	ND	2.32	116	2.00	5.42	
Ethylbenzene*	0.807	0.050	08/30/2016	ND	2.24	112	2.00	5.14	
Total Xylenes*	2.08	0.150	08/30/2016	ND	6.80	113	6.00	4.81	
Total BTX	2.96	0.300	08/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 195 % 73.6-140

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3840</b>	16.0	08/30/2016	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
<b>GRO C6-C10</b>	<b>31.5</b>	10.0	08/31/2016	ND	184	92.1	200	0.612	
<b>DRO &gt;C10-C28</b>	<b>1130</b>	10.0	08/31/2016	ND	181	90.5	200	0.466	

Surrogate: 1-Chlorooctane 112 % 35-147

Surrogate: 1-Chlorooctadecane 128 % 28-171

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: 08/29/2016  
Reported: 09/02/2016  
Project Name: FEDERAL 12 #001  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 08/25/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H601937-02)**

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	08/30/2016	ND	2.23	111	2.00	5.54	
Toluene*	<0.050	0.050	08/30/2016	ND	2.32	116	2.00	5.42	
Ethylbenzene*	0.259	0.050	08/30/2016	ND	2.24	112	2.00	5.14	
Total Xylenes*	0.534	0.150	08/30/2016	ND	6.80	113	6.00	4.81	
Total BTX	0.793	0.300	08/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	08/30/2016	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	15.2	10.0	08/31/2016	ND	184	92.1	200	0.612	
DRO >C10-C28	545	10.0	08/31/2016	ND	181	90.5	200	0.466	

Surrogate: 1-Chlorooctane 96.9 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/29/2016  
Reported: 09/02/2016  
Project Name: FEDERAL 12 #001  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 08/26/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H601937-03)**

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	08/30/2016	ND	2.23	111	2.00	5.54	
Toluene*	<0.050	0.050	08/30/2016	ND	2.32	116	2.00	5.42	
Ethylbenzene*	0.391	0.050	08/30/2016	ND	2.24	112	2.00	5.14	
Total Xylenes*	<0.150	0.150	08/30/2016	ND	6.80	113	6.00	4.81	
Total BTEx	0.391	0.300	08/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	08/30/2016	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	08/30/2016	ND	184	92.1	200	0.612	
DRO >C10-C28	195	10.0	08/30/2016	ND	181	90.5	200	0.466	

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

**Sample ID: SP 1 @ 3' (H601937-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/30/2016	ND	416	104	400	3.77	

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: 08/29/2016  
Reported: 09/02/2016  
Project Name: FEDERAL 12 #001  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 08/26/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 4' (H601937-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/30/2016	ND	416	104	400	3.77	

**Sample ID: SP 2 @ 2' (H601937-06)**

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	08/31/2016	ND	2.21	110	2.00	4.73	
Toluene*	<0.050	0.050	08/31/2016	ND	2.24	112	2.00	5.31	
Ethylbenzene*	0.436	0.050	08/31/2016	ND	2.14	107	2.00	5.45	
Total Xylenes*	<0.150	0.150	08/31/2016	ND	6.49	108	6.00	5.56	
Total BTX	0.436	0.300	08/31/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	08/30/2016	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	08/31/2016	ND	184	92.1	200	0.612	
DRO >C10-C28	420	10.0	08/31/2016	ND	181	90.5	200	0.466	

Surrogate: 1-Chlorooctane 98.3 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

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: 08/29/2016  
Reported: 09/02/2016  
Project Name: FEDERAL 12 #001  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 08/26/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 3' (H601937-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/30/2016	ND	416	104	400	3.77		

**Sample ID: SP 2 @ 4' (H601937-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/30/2016	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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





**ARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> BBC International, Inc.		<b>P.O. #:</b>		<b>BILL TO</b>															
<b>Project Manager:</b> Cliff Brunson		<b>Company:</b> OKY		<b>ANALYSIS REQUEST</b>															
<b>Address:</b> P.O. Box 805		<b>Attn:</b>																	
<b>City:</b> Hobbs		<b>Address:</b>																	
<b>Phone #:</b> 575-397-6388		<b>State:</b> NM <b>Zip:</b> 88241																	
<b>Fax #:</b> 575-397-0397		<b>City:</b>																	
<b>Project #:</b>		<b>State:</b>																	
<b>Project Name:</b> FEDERAL #12 # 001		<b>Zip:</b>																	
<b>Project Location:</b>		<b>Phone #:</b>																	
<b>Sampler Name:</b> Roger Hernandez		<b>Fax #:</b>																	
<b>FOR LAB USE ONLY</b>																			
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>MATRIX</b>					<b>PRESERV.</b>	<b>SAMPLING</b>									
				<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER :</b>	<b>ACID/BASE :</b>	<b>ICE / COOL</b>	<b>OTHER :</b>	<b>DATE</b>	<b>TIME</b>					
H001937	SP101		1										8.15.16	11:14	TPH				
	SP102		1										8.15.16	10:00	BTEX				
	SP103		1										8.15.16	10:05	CL				
	SP104		1										8.15.16	11:05					
	SP105		1										8.15.16	11:09					
	SP106		1										8.15.16	10:08					
	SP107		1										8.15.16	13:30					
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<b>Relinquished By:</b>		<b>Date:</b> 8.19.16		<b>Received By:</b>															
<b>Relinquished By:</b>		<b>Time:</b>		<b>Received By:</b>															
<b>Delivered By:</b> (Circle One)		<b>Date:</b> 8.22.16		<b>Received By:</b>															
<b>Time:</b> 11:50		<b>Time:</b>		<b>Received By:</b>															
<b>Sampler - UPS - Bus - Other:</b>		<b>Sample Condition</b>		<b>CHECKED BY:</b>															
		<input type="checkbox"/> Cool <input type="checkbox"/> Intact		<b>(Initials)</b>															
		<input type="checkbox"/> Yes <input type="checkbox"/> No																	
		<input type="checkbox"/> Yes <input type="checkbox"/> No																	
<b>REMARKS:</b>																			
<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>																			
<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b>																			

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

#75



**From:** [Bratcher, Mike, EMNRD](#)  
**To:** [Cliff Brunson](#)  
**Cc:** [Patterson, Heather, EMNRD](#); [Casey Summers](#); [Jennifer\\_Duarte@oxy.com](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)  
**Subject:** RE: OXY - Federal 12 #001 South CTB - Remediation Plan  
**Date:** Wednesday, September 28, 2016 3:55:47 PM

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RE: OXY USA \* Fed 12 1 South CTB \* **2RP-3837** \* DOR: 8/5/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled. Federal sites require like approval from BLM.

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.

**Mike Bratcher**  
**NMOCD District 2**  
**811 S. First Street**  
**Artesia, NM 88210**  
**O: 575-748-1283 X108**  
**C: 575-626-0857**  
**F: 575-748-9720**

---

**From:** Cliff Brunson [mailto:[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)]  
**Sent:** Friday, September 23, 2016 11:13 AM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Patterson, Heather, EMNRD; Casey Summers; [Jennifer\\_Duarte@oxy.com](mailto:Jennifer_Duarte@oxy.com); Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY - Federal 12 #001 South CTB - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY Federal 12 #001 South CTB release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

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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\*\*\*\*\*

From: [Tucker, Shelly](#)  
To: [Cliff Brunson](#)  
Cc: [Casey Summers](#); [Jennifer.Duarte@oxy.com](mailto:Jennifer.Duarte@oxy.com); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)  
Subject: Re: OXY - Federal 12 #001 South CTB - Remediation Plan  
Date: Tuesday, October 4, 2016 2:28:02 PM

---

BLM accepts your work plan as written.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

**Shelly J Tucker**

Environmental Protection Specialist  
Bureau of Land Management

620 E. Greene St  
Carlsbad, NM 88220

575.234.5905 - Direct  
575.361.0084 - Cellular

[stucker@blm.gov](mailto:stucker@blm.gov)



The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Fri, Sep 23, 2016 at 11:13 AM, Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)> wrote:

Shelly,

I have attached a remediation plan for the Oxy Federal 12 #001 South CTB release. This

plan has been approved by Mike Bratcher of the NMOCD. Oxy is requesting the BLM's approval of this plan as well. Upon your review of the materials, it would be appreciated if you would respond via email with the BLM's approval.

If you have any questions, please let me 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.

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Phone: (575) 397-6388

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