

Site Description

Site Name:	Covington A Federal #18 Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L C, Section 25, T22S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.36781° W 103.63052°

Release Data

Dates of Release:	5/9/14, 5/14/14, 8/17/14, and 10/13/14
Type of Release:	Oil
Source of Release:	Varies per event, see attached C-141s
Volume of Release:	Varies per event, see attached C-141s
Volume Recovered:	Varies per event, see attached C-141s

Remediation Specifications

Remediation Parameters:	See attached Site Diagrams with excavation depth details. *Approval for all spill clean ups was granted in April 2015
Remediation Activities:	Remediation activities were performed in 2015

Plan Sent to OCD:	01/14/2015	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	01/14/2015	Email from Tomas Oberding to Cliff Brunson
Plan Sent to BLM:	02/23/2015	Email from Cliff Brunson to Sol Hughes
BLM Approval of Plan:	03/04/2015	Email from Sol Hughes to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 5/19/14, 5/19/14, 8/21/14, and 11/3/14
Final C-141s	Signed 03/30/2016
Site Diagram	August 2014 and November 2014
Groundwater Plot	450'
TOPO Maps	August 2014
Lab Summary	09/05/2014-09/08/2014 and 02/20/2015-02/26/2015
Lab Analysis	09/05/2014-09/08/2014 and 02/20/2015-02/26/2015
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

03/30/2016

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
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Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
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Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Covington A Federal #18 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No. 30-025-32037 (nearest well)	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	22S	32E					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

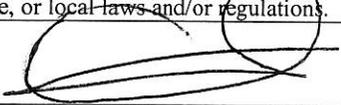
Type of Release	Oil	Volume of Release	50 bbls	Volume Recovered	45 bbls
Source of Release	Man Way Cover is leaking	Date and Hour of Occurrence	05/09/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking, NMOCD; Jennifer Van Curen, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	05/09/2014 @ 4:32 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.*
A leak at the man way cover caused 50 bbls of oil to leak onto the ground. A vacuum truck recovered 45 bbls of oil and the cause of the leak was repaired.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 20' x 15' on location. Remediation will be completed in accordance a remediation 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: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 5-19-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Covington A Federal #18 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No. 30-025-32037 (nearest well)	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	22S	32E					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	80 bbls	Volume Recovered	70 bbls
Source of Release	Valve failure caused tank to spill over	Date and Hour of Occurrence	05/14/2014	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?	Geoffrey Leking, NMOCD; Jennifer Van Curen, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	05/15/2014 @ 3:48 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.*

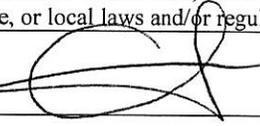
Describe Cause of Problem and Remedial Action Taken.*

A faulty valve to the equalizing line caused a tank to spill over and leak 80 bbls of oil onto the ground. A vacuum truck recovered 70 bbls of oil and the valve was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 25' x 50' inside the berm on location. Remediation will be completed in accordance a remediation 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: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 5-19-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Covington A Federal #18 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No. 30-025-32037 (nearest well)	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	22S	32E					Lea

Latitude N 32.36775° Longitude W 103.63080°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	80 bbls	Volume Recovered	70 bbls
Source of Release	Spill during transfer to stock tank	Date and Hour of Occurrence	08/17/2014	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?	Tomas Oberding, NMOCD; Sol Hughes, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	08/18/2014 @ 4:01 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.*

During a transfer to the stock tank, Oxy spilled 80 bbls of oil onto the ground. A vacuum truck recovered approximately 70 bbls.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 25' x 50' inside the berm on location. Remediation will be completed in accordance a remediation 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: Chancey Summers	Approved by District Supervisor:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>8-21-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

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Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Covington A Federal #18 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No. 30-025-32037 (nearest well)	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	22S	32E					Lea

Latitude N 32.36781° Longitude 103.63052°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	200 bbls	Volume Recovered	100 bbls
Source of Release	Pump was left on causing a tank to spill over	Date and Hour of Occurrence	10/13/2014	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?	Tomas Oberding, NMOCD; Sol Hughes, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	10/14/2014 @ 4:06 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.*

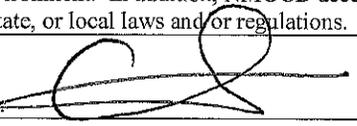
Describe Cause of Problem and Remedial Action Taken.*

A pump was left on resulting in the tank spilling 200 bbls of oil onto the ground. A vacuum truck recovered 100 bbls of oil and the pump was turned off and reset.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 100' x 100' on location. Remediation will be completed in accordance a remediation 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: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 11/3/14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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Revised August 8, 2011

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Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

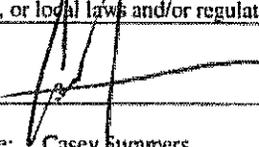
Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Covington A Federal #18 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-32037

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	22S	32E					Lea County, NM

Latitude N 32.36781° Longitude W 103.63052°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	50 bbls	Volume Recovered	45 bbls
Source of Release	Man Way cover was leaking	Date and Hour of Occurrence	05/09/2014	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? Geoffrey Leking-NMOCD; Jennifer Van Curen-BLM			
By Whom?	Kathy Purvis @ BBC International	Date and Hour	05/09/2014 @ 4:32 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.*					
A leak at the man way cover caused 50 bbls of oil to leak onto the ground. A vacuum truck recovered 45 bbls of oil and the man way cover was repaired.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 20' x 15' on location. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 01/14/2015 and approved by Sol Hughes of the BLM via email on 03/04/2015.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Signature: 		OIL CONSERVATION DIVISION			
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: 3-30-16		Phone: (575) 513-8289			

* Attach Additional Sheets If Necessary

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Revised August 8, 2011

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Santa Fe, NM 87505

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	Covington A Federal #18 Battery	Facility Type	Battery

Surface Owner	BLM	Mineral Owner		API No.	30-025-32037
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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	25	22S	32E					Lea County, NM

Latitude N 32.36781° Longitude W 103.63052°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	80 bbls	Volume Recovered	70 bbls
Source of Release	Valve failure caused tank to spill over	Date and Hour of Occurrence	05/14/2014	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?	Geoffrey Leking-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis @ BBC International	Date and Hour	05/15/2014 @ 3:48 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.*
A faulty valve on the equalizing line caused a tank to spill over and leak 80 bbls of oil onto location. A vacuum truck recovered 70 bbls of oil and the valve was repaired.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 25' x 50' on location inside the berm. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 01/14/2015 and approved by Sol Hughes of the BLM via email on 03/04/2015.

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

Signature:	OIL CONSERVATION DIVISION		
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: 3-30-16	Phone: (575) 513-8289		

* Attach Additional Sheets If Necessary

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OPERATOR

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Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Covington A Federal #18 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-32037

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	22S	32E					Lea County, NM

Latitude N 32.36781° Longitude W 103.63052°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	80 bbls	Volume Recovered	70 bbls
Source of Release	Spill during transfer to stock tank	Date and Hour of Occurrence	08/17/2014	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?	Tomas Oberding-NMOCD; Sol Hughes-BLM		
By Whom?	Kathy Purvis @ BBC International	Date and Hour	08/18/2014 @ 4:01 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.*

During a transfer to the stock tank, Oxy spilled 80 bbls of oil on location. A vacuum truck recovered approximately 70 bbls.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 25' x 50' on location inside the berm. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 01/14/2015 and approved by Sol Hughes of the BLM via email on 03/04/2015.

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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: 3-30-16	Phone: (575) 513-8289		

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Facility Name	Covington A Federal #18 Battery	Facility Type	Battery

Surface Owner	BLM	Mineral Owner		API No.	30-025-32037
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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	25	22S	32E					Lea County, NM

Latitude N 32.36781° Longitude W 103.63052°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	200 bbls	Volume Recovered	100 bbls
Source of Release	Pump was left on causing the tank to spill over	Date and Hour of Occurrence	10/13/2014	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?	Tomas Oberding-NMOCD; Sol Hughes-BLM		
By Whom?	Kathy Purvis @ BBC International	Date and Hour	10/14/2014 @ 4:06 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.*

A pump was left on resulting in the tank spilling 200 bbls of oil onto location. A vacuum truck recovered 100 bbls of oil and the pump was turned off and reset.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 100' x 100' on location. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD and approved by Sol Hughes of the BLM via email on 04/28/2015.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3-30-16	Phone: (575) 513-8289		

* Attach Additional Sheets If Necessary

N



Oxy

Covington A Federal #18 Battery

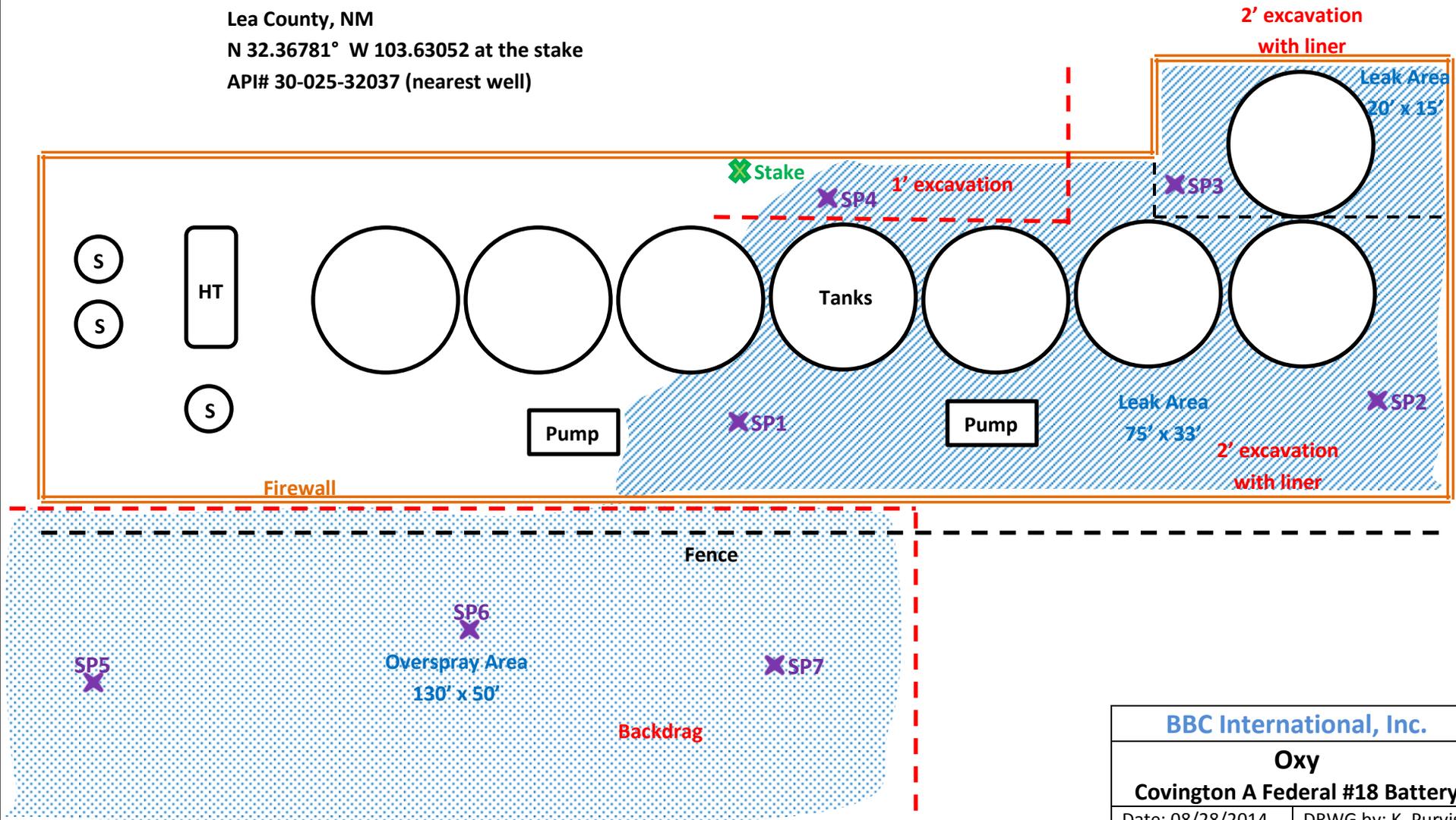
(5/9/14, 5/14/14, and 8/17/14)

U/L C, Section 25, T22S, R32E

Lea County, NM

N 32.36781° W 103.63052 at the stake

API# 30-025-32037 (nearest well)

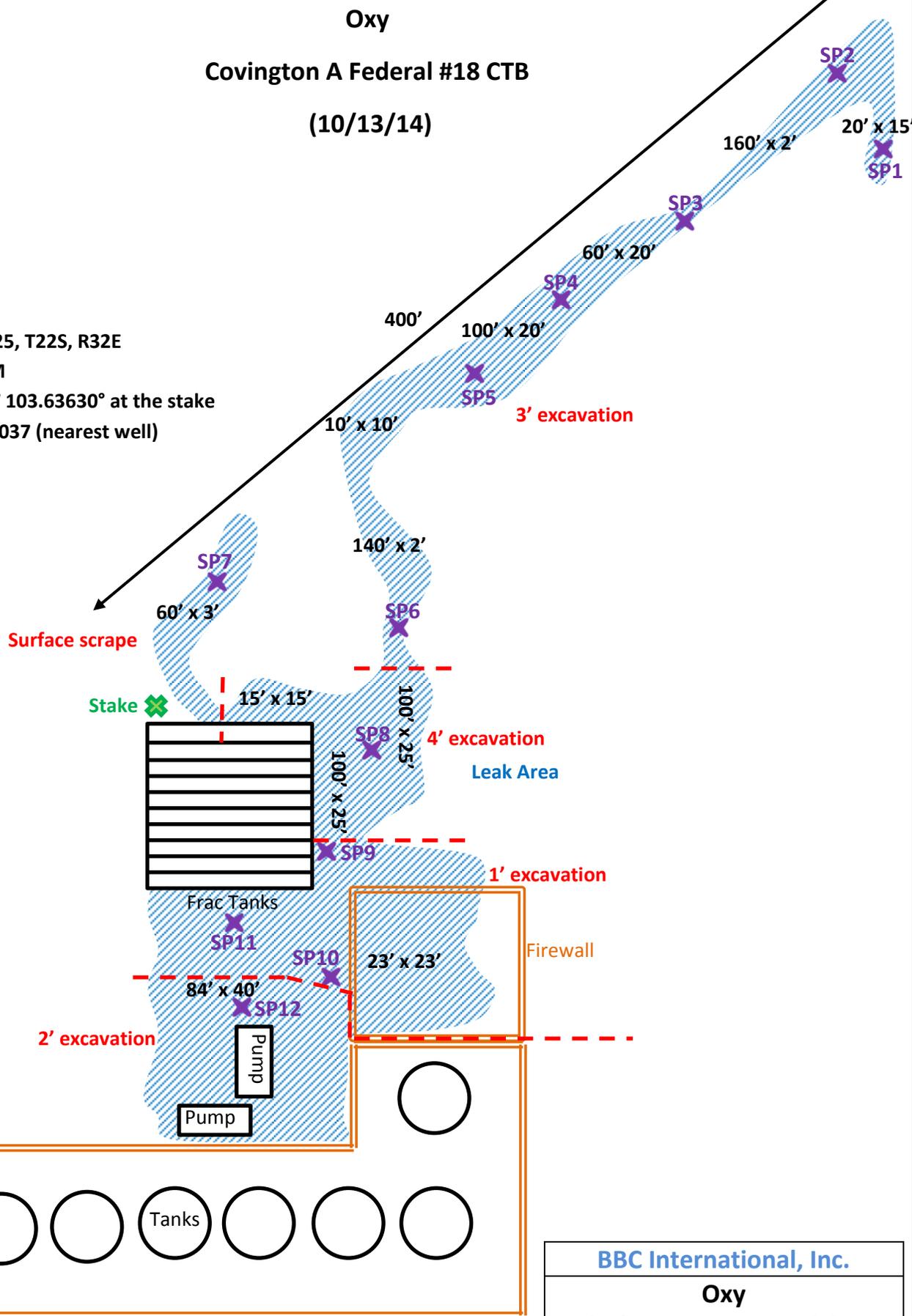


BBC International, Inc.	
Oxy	
Covington A Federal #18 Battery	
Date: 08/28/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014



Oxy
Covington A Federal #18 CTB
(10/13/14)

U/L C, Section 25, T22S, R32E
Lea County, NM
N 32.36825° W 103.63630° at the stake
API# 30-025-32037 (nearest well)



BBC International, Inc.	
Oxy	
Covington A Federal #18 CTB	
Date: 11/13/14	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014

Groundwater Plot

Oxy Covington A Federal #18 CTB

County
Lea

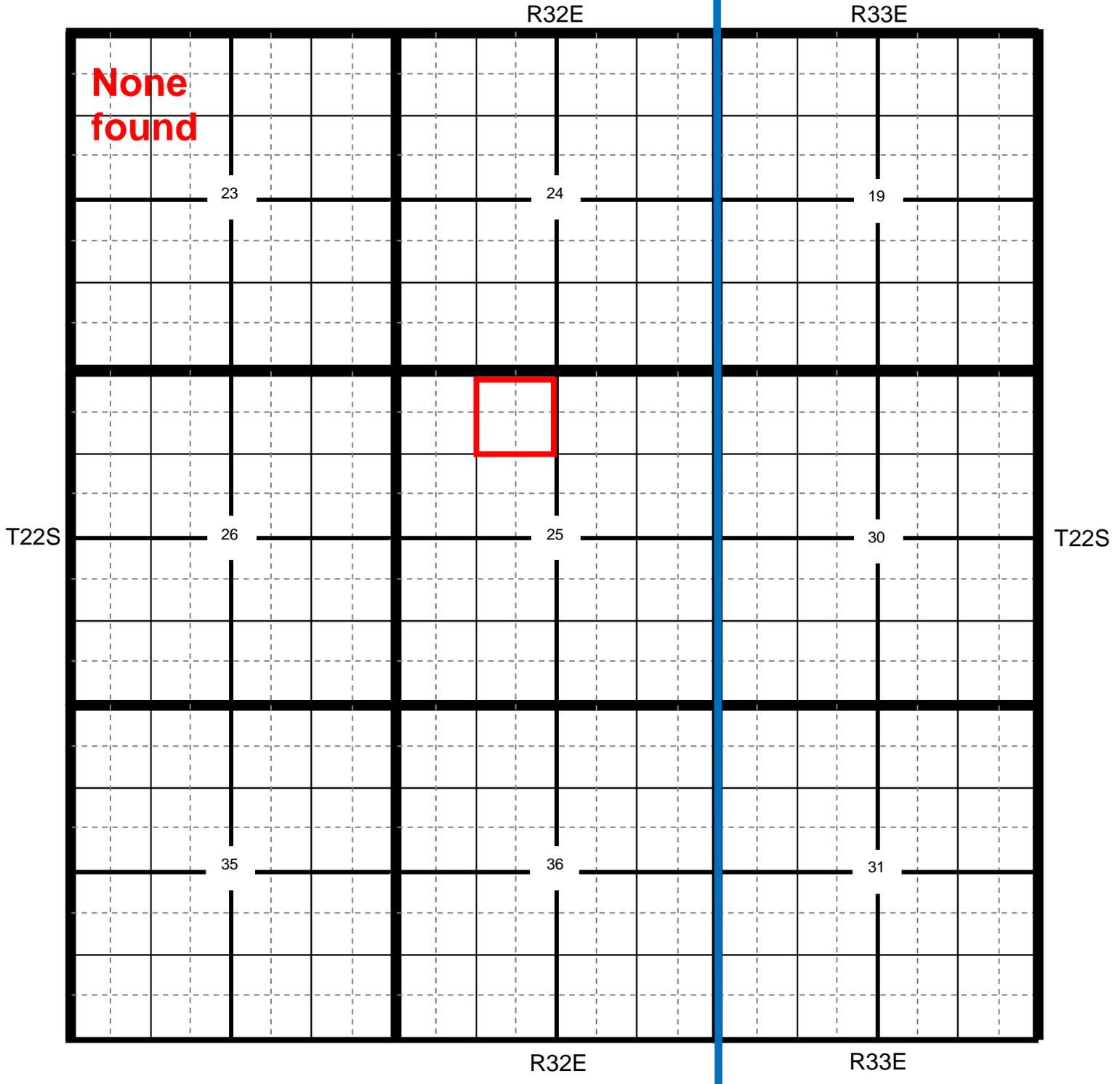
Unit Letter
C

Section
25

Township
22S

Range
32E

Trend Map 425'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Covington A Federal #18 Battery

County	Unit Letter	Section	Township	Range
Lea	C	25	22S	32E

Trend Map 425'

1

2

NW/NW <b style="color: red; font-size: 1.2em;">None found	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

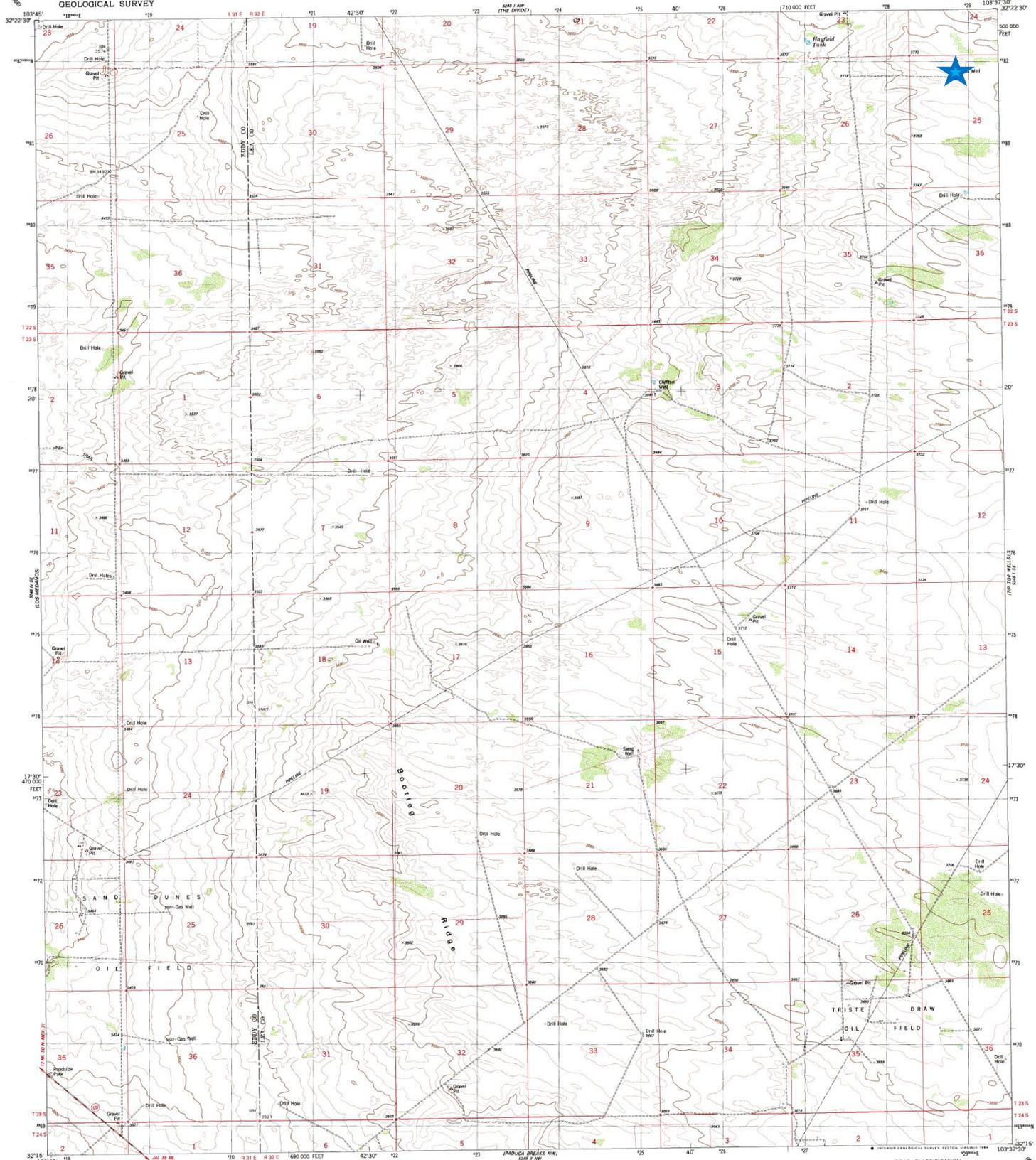
4

Oxy

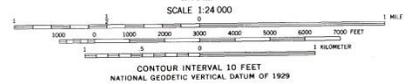
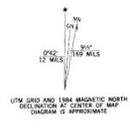
Covington A Federal #18

BOOTLEG RIDGE QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)
8004 HAT MEDIA 19 QUADRANGLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs
taken 1977. Field checked 1978. Map edited 1984
Projection and 10,000-foot grid ticks: New Mexico
coordinate system, east zone (Transverse Mercator)
1000-meter Universal Transverse Mercator grid, zone 13
1927 North American Datum
To place on the predicted North American Datum 1983
move the projection lines 9 meters south and
4.5 meters east as shown by dashed corner ticks
Fine red dashed lines indicate selected fence lines



ROAD CLASSIFICATION
Primary highway, hand surface ——— Improved surface
Secondary highway, hand surface ——— Unimproved road
Interstate Route ——— U.S. Route ——— State Route

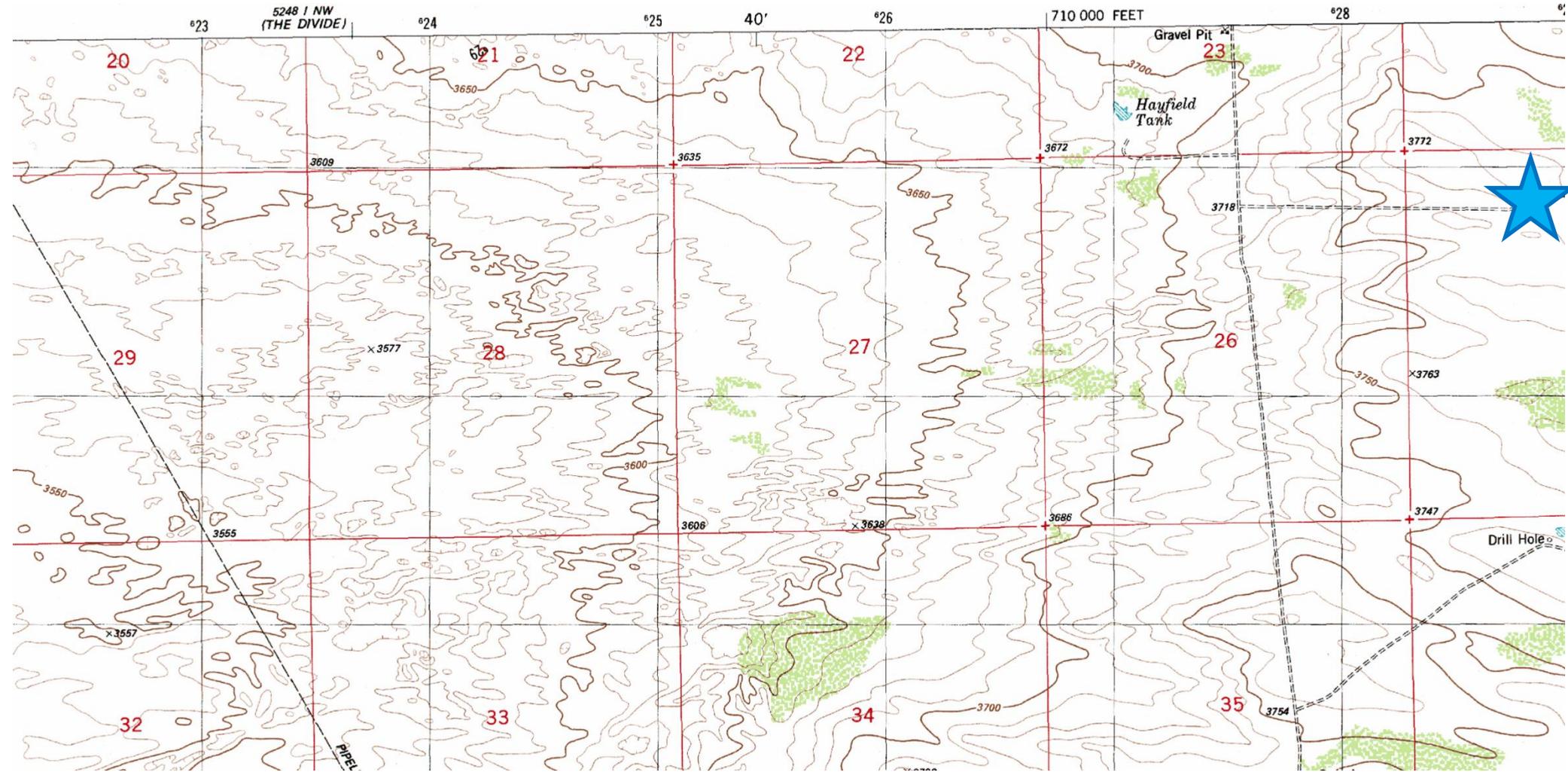
BOOTLEG RIDGE, N. MEX.
8004 HAT MEDIA 19 QUADRANGLE
32103-06-TF-024

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1984
DMA 5248 1 9W-SERIES Y881

Oxy

Covington A Federal #18



**Laboratory Analytical Results Summary
Covington A Federal #18 Battery**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'
Analyte	Method	Date	9/5/14	9/5/14	9/5/14	9/5/14	9/5/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<1.00	<0.050	<2.00	<0.200
Toluene	BTEX 8021B		5.15	1.08	<0.050	<2.00	0.564
Ethylbenzene	BTEX 8021B		7.37	1.7	<0.050	3.25	0.777
Total Xylenes	BTEX 8021B		43.3	17.5	1.16	23.6	5.17
Total BTEX	BTEX 8021B		55.9	20.2	1.16	26.9	6.51
GRO	TPH 8015M		2280	1440	79.3	2000	301
DRO	TPH 8015M		11300	9880	1340	12300	2160

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 9'
Analyte	Method	Date	9/5/14	9/5/14	9/5/14	9/5/14	9/5/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<5.00	<2.00	<2.00	<2.00	<1.00
Toluene	BTEX 8021B		23.1	5.89	10.4	27.6	2.38
Ethylbenzene	BTEX 8021B		15.9	7.62	10.5	18.5	4.12
Total Xylenes	BTEX 8021B		84.8	47.2	57.1	83.9	20.8
Total BTEX	BTEX 8021B		124	60.7	77.9	130	27.3
GRO	TPH 8015M		6420	2830	2980	3640	1420
DRO	TPH 8015M		23500	18200	13900	10100	4070

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'
Analyte	Method	Date	9/5/14	9/5/14	9/5/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<0.500	<0.050
Toluene	BTEX 8021B		4.52	<0.500	<0.050
Ethylbenzene	BTEX 8021B		4.85	<0.500	<0.050
Total Xylenes	BTEX 8021B		33.2	3.12	0.22
Total BTEX	BTEX 8021B		42.5	3.12	<0.300
GRO	TPH 8015M		2130	405	<10.0
DRO	TPH 8015M		11500	4690	96.1

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	9/5/14	9/5/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.100
Toluene	BTEX 8021B		0.526	0.265
Ethylbenzene	BTEX 8021B		0.838	0.305
Total Xylenes	BTEX 8021B		3.49	1.55
Total BTEX	BTEX 8021B		4.85	2.12
GRO	TPH 8015M		149	119
DRO	TPH 8015M		687	772

		Sample	SP5 @ SURFACE	SP5 @ 1'
Analyte	Method	Date	9/8/14	9/8/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		0.178	0.192
Total BTEX	BTEX 8021B		<0.300	<0.300
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		144	56.3

		Sample	SP6 @ SURFACE	SP6 @ 1'
Analyte	Method	Date	9/8/14	9/8/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP7 @ SURFACE	SP7 @ 1'
Analyte	Method	Date	9/8/14	9/8/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

**Laboratory Analytical Results Summary
Covington A Federl #18 Battery**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	2/20/15	2/20/15	2/20/15	2/20/15	2/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<1.00	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		7.42	4.14	0.326	<0.050	<0.050
Ethylbenzene	BTEX 8021B		9.9	6.32	0.845	<0.050	<0.050
Total Xylenes	BTEX 8021B		41.8	28.2	3.94	<0.150	<0.150
Total BTEX	BTEX 8021B		59.2	38.7	5.11	<0.300	<0.300
Chloride	SM4500Cl-B		n/a	32	n/a	n/a	n/a
GRO	TPH 8015M		2550	1400	123	<10.0	<10.0
DRO	TPH 8015M		9260	7550	1030	29.7	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050
Toluene	BTEX 8021B		17.7	0.741	<0.050
Ethylbenzene	BTEX 8021B		17.8	0.79	<0.050
Total Xylenes	BTEX 8021B		56.8	2.94	<0.150
Total BTEX	BTEX 8021B		92.3	4.48	<0.300
Chloride	SM4500Cl-B		n/a	n/a	32
GRO	TPH 8015M		3750	45.4	<10.0
DRO	TPH 8015M		10200	594	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 6'	SP2 @ 8'	SP2 @ 9'
Analyte	Method	Date	2/20/15	2/20/15	2/23/15	2/23/15	2/23/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<2.00	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		21.5	25	0.05	<0.050	<0.050
Ethylbenzene	BTEX 8021B		23.4	25	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		85.1	83.3	0.218	<0.150	<0.150
Total BTEX	BTEX 8021B		130	133	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		n/a	<16.0	n/a	n/a	n/a
GRO	TPH 8015M		4500	4390	15.8	<10.0	<10.0
DRO	TPH 8015M		16300	13200	237	22.9	<10.0

		Sample	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.500	<0.050
Toluene	BTEX 8021B		2.97	0.124	<0.050
Ethylbenzene	BTEX 8021B		3.41	0.116	<0.050
Total Xylenes	BTEX 8021B		12.7	0.388	<0.150
Total BTEX	BTEX 8021B		19.1	0.628	<0.300
Chloride	SM4500Cl-B		n/a	n/a	<16.0
GRO	TPH 8015M		704	<10.0	<10.0
DRO	TPH 8015M		9620	141	23.3

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	2/23/15	2/23/15	2/23/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<5.00	<2.00	<0.050
Toluene	BTEX 8021B		36.1	15	0.068
Ethylbenzene	BTEX 8021B		27.8	15.2	<0.050
Total Xylenes	BTEX 8021B		91.5	54.4	<0.150
Total BTEX	BTEX 8021B		155	84.6	<0.300
Chloride	SM4500Cl-B		n/a	64	n/a
GRO	TPH 8015M		5670	2900	<10.0
DRO	TPH 8015M		14100	7900	<10.0

		Sample	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.105	0.103	<0.050
Ethylbenzene	BTEX 8021B		0.069	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.224	0.231	<0.150
Total BTEX	BTEX 8021B		0.398	0.334	<0.300
Chloride	SM4500Cl-B		n/a	n/a	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		43	175	<10.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'	SP4 @ 6'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<2.00	<0.050	<0.050
Toluene	BTEX 8021B		19	7.37	0.051	<0.050
Ethylbenzene	BTEX 8021B		18.5	8.56	<0.050	<0.050
Total Xylenes	BTEX 8021B		64.7	31.8	<0.150	<0.150
Total BTEX	BTEX 8021B		102	47.7	<0.300	<0.300
Chloride	SM4500Cl-B		n/a	80	n/a	n/a
GRO	TPH 8015M		3920	2140	11.3	<10.0
DRO	TPH 8015M		12000	8060	243	<10.0

		Sample	SP8 @ 1'	SP8 @ 3'	SP8 @ 5'	SP8 @ 7'	SP8 @ 8'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<5.00	<5.00	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		37.2	54.7	0.071	<0.050	<0.050
Ethylbenzene	BTEX 8021B		27.4	32	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		94	95.1	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		159	182	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		n/a	<16.0	n/a	n/a	n/a
GRO	TPH 8015M		4960	5370	<10.0	<10.0	<10.0
DRO	TPH 8015M		14100	11200	<10.0	<10.0	<10.0

**Laboratory Analytical Results Summary
Covington A Federl #18 Battery**

		Sample	SP9 @ 1'	SP9 @ 2'	SP9 @ 4'	SP9 @ 5'
Analyte	Method	Date	2/25/15	2/25/15	2/25/15	2/25/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		5.1	0.128	0.125	<0.050
Ethylbenzene	BTEX 8021B		8.51	0.195	0.153	<0.050
Total Xylenes	BTEX 8021B		36.8	0.964	0.737	<0.150
Total BTEX	BTEX 8021B		50.4	1.29	1.02	<0.300
Chloride	SM4500Cl-B		n/a	n/a	112	n/a
GRO	TPH 8015M		2130	59.1	36.9	<10.0
DRO	TPH 8015M		11600	510	435	57.3

		Sample	SP10 @ 1'	SP10 @ 2'	SP10 @ 4'	SP10 @ 5'
Analyte	Method	Date	2/25/15	2/25/15	2/25/15	2/25/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.756	0.061	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.831	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.12	0.196	<0.150	<0.150
Total BTEX	BTEX 8021B		4.7	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		n/a	n/a	<16.0	n/a
GRO	TPH 8015M		116	<10.0	<10.0	<10.0
DRO	TPH 8015M		462	190	99.2	25.7

		Sample	SP11 @ 1'	SP11 @ 3'	SP11 @ 5'	SP11 @ 6'
Analyte	Method	Date	2/25/15	2/26/15	2/26/15	2/26/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		n/a	<16.0	n/a	n/a
GRO	TPH 8015M		<50.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		522	61.5	131	<10.0

		Sample	SP12 @ 1'	SP12 @ 3'	SP12 @ 5'	SP12 @ 6'
Analyte	Method	Date	2/26/15	2/26/15	2/26/15	2/26/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.500	<0.050	<0.050
Toluene	BTEX 8021B		33.2	2.67	0.052	<0.050
Ethylbenzene	BTEX 8021B		18.8	2.71	<0.050	<0.050
Total Xylenes	BTEX 8021B		61.1	10.2	<0.150	<0.150
Total BTEX	BTEX 8021B		113	15.6	<0.300	<0.300
Chloride	SM4500Cl-B		n/a	128	n/a	n/a
GRO	TPH 8015M		5190	628	<10.0	<10.0
DRO	TPH 8015M		16500	2150	26.1	<10.0

September 16, 2014

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: COVINGTON A FEDERAL #18 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/10/14 12:45.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



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:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H402803-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	5.15	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	7.37	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	43.3	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	55.9	12.0	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

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	2280	100	09/11/2014	ND	177	88.3	200	1.34		
DRO >C10-C28	11300	100	09/11/2014	ND	200	100	200	3.79		

Surrogate: 1-Chlorooctane 237 % 65.2-140

Surrogate: 1-Chlorooctadecane 278 % 63.6-154

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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:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 3' (H402803-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	1.08	1.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	1.70	1.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	17.5	3.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	20.2	6.00	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

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	1440	200	09/11/2014	ND	177	88.3	200	1.34		
DRO >C10-C28	9880	200	09/11/2014	ND	200	100	200	3.79		

Surrogate: 1-Chlorooctane 209 % 65.2-140

Surrogate: 1-Chlorooctadecane 232 % 63.6-154

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 Fax To: (575) 397-0397

Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 5' (H402803-03)

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	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	<0.050	0.050	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	1.16	0.150	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	1.16	0.300	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	79.3	50.0	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	1340	50.0	09/12/2014	ND	212	106	200	10.2	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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 Fax To: (575) 397-0397

Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 7' (H402803-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	<2.00	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	3.25	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	23.6	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	26.9	12.0	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

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	2000	200	09/12/2014	ND	181	90.5	200	3.80		
DRO >C10-C28	12300	200	09/12/2014	ND	212	106	200	10.2		

Surrogate: 1-Chlorooctane 222 % 65.2-140

Surrogate: 1-Chlorooctadecane 318 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 9' (H402803-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	0.564	0.200	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	0.777	0.200	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	5.17	0.600	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	6.51	1.20	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	301	50.0	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	2160	50.0	09/12/2014	ND	212	106	200	10.2	

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 140 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H402803-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	23.1	5.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	15.9	5.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	84.8	15.0	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	124	30.0	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	6420	200	09/12/2014	ND	181	90.5	200	3.80		
DRO >C10-C28	23500	200	09/12/2014	ND	212	106	200	10.2		

Surrogate: 1-Chlorooctane 303 % 65.2-140

Surrogate: 1-Chlorooctadecane 575 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 3' (H402803-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	5.89	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	7.62	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	47.2	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	60.7	12.0	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

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	2830	200	09/12/2014	ND	181	90.5	200	3.80		
DRO >C10-C28	18200	200	09/12/2014	ND	212	106	200	10.2		

Surrogate: 1-Chlorooctane 206 % 65.2-140

Surrogate: 1-Chlorooctadecane 468 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 5' (H402803-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	10.4	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	10.5	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	57.1	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	77.9	12.0	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

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	2980	200	09/12/2014	ND	181	90.5	200	3.80		
DRO >C10-C28	13900	200	09/12/2014	ND	212	106	200	10.2		

Surrogate: 1-Chlorooctane 267 % 65.2-140

Surrogate: 1-Chlorooctadecane 317 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 7' (H402803-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	27.6	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	18.5	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	83.9	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	130	12.0	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

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	3640	200	09/12/2014	ND	181	90.5	200	3.80		
DRO >C10-C28	10100	200	09/12/2014	ND	212	106	200	10.2		

Surrogate: 1-Chlorooctane 149 % 65.2-140

Surrogate: 1-Chlorooctadecane 254 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 9' (H402803-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	2.38	1.00	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	4.12	1.00	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	20.8	3.00	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	27.3	6.00	09/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1420	100	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	4070	100	09/12/2014	ND	212	106	200	10.2	

Surrogate: 1-Chlorooctane 140 % 65.2-140

Surrogate: 1-Chlorooctadecane 142 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H402803-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	4.52	2.00	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	4.85	2.00	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	33.2	6.00	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	42.5	12.0	09/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	2130	200	09/12/2014	ND	181	90.5	200	3.80		
DRO >C10-C28	11500	200	09/12/2014	ND	212	106	200	10.2		

Surrogate: 1-Chlorooctane 208 % 65.2-140

Surrogate: 1-Chlorooctadecane 266 % 63.6-154

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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:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 3' (H402803-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.500	0.500	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.500	0.500	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	3.12	1.50	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	3.12	3.00	09/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	405	100	09/12/2014	ND	181	90.5	200	3.80		
DRO >C10-C28	4690	100	09/12/2014	ND	212	106	200	10.2		

Surrogate: 1-Chlorooctane 133 % 65.2-140

Surrogate: 1-Chlorooctadecane 191 % 63.6-154

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

Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 5' (H402803-13)

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	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	0.220	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

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	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	96.1	10.0	09/12/2014	ND	212	106	200	10.2	

Surrogate: 1-Chlorooctane 95.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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

Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 1' (H402803-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	0.526	0.100	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	0.838	0.100	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	3.49	0.300	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	4.85	0.600	09/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126

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	149	100	09/12/2014	ND	181	90.5	200	3.80		
DRO >C10-C28	687	100	09/12/2014	ND	212	106	200	10.2		

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 160 % 63.6-154

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 P.O. Box 805
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Received:	09/10/2014	Sampling Date:	09/05/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 2' (H402803-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	0.265	0.100	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	0.305	0.100	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	1.55	0.300	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	2.12	0.600	09/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	119	100	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	772	100	09/12/2014	ND	212	106	200	10.2	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 148 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/08/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H402803-16)

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	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	0.178	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	144	50.0	09/12/2014	ND	212	106	200	10.2	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

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 Fax To: (575) 397-0397

Received:	09/10/2014	Sampling Date:	09/08/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 1' (H402803-17)

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	09/15/2014	ND	1.98	99.0	2.00	3.38		
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44		
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67		
Total Xylenes*	0.192	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93		
Total BTEX	<0.300	0.300	09/15/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	09/11/2014	ND	198	99.1	200	4.65		
DRO >C10-C28	56.3	10.0	09/11/2014	ND	198	98.9	200	8.84		

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 126 % 63.6-154

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 Fax To: (575) 397-0397

Received:	09/10/2014	Sampling Date:	09/08/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ SURFACE (H402803-18)

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	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	<0.150	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	09/11/2014	ND	198	99.1	200	4.65	
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	198	98.9	200	8.84	

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/08/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ 1' (H402803-19)

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	09/15/2014	ND	1.98	99.0	2.00	3.38		
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44		
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93		
Total BTEX	<0.300	0.300	09/15/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	09/11/2014	ND	198	99.1	200	4.65		
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	198	98.9	200	8.84		

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/08/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ SURFACE (H402803-20)

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	09/15/2014	ND	1.98	99.0	2.00	3.38		
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44		
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93		
Total BTEX	<0.300	0.300	09/15/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	09/11/2014	ND	198	99.1	200	4.65		
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	198	98.9	200	8.84		

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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Received:	09/10/2014	Sampling Date:	09/08/2014
Reported:	09/16/2014	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ 1' (H402803-21)

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	09/15/2014	ND	1.98	99.0	2.00	3.38		
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44		
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93		
Total BTEX	<0.300	0.300	09/15/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	09/11/2014	ND	198	99.1	200	4.65		
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	198	98.9	200	8.84		

Surrogate: 1-Chlorooctane 124 % 65.2-140

Surrogate: 1-Chlorooctadecane 135 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



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

ANALYSIS REQUEST

BILL TO

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: Covington A Federal #18 Battery
 Project Location: Lea County, NM
 Sampler Name: Price Brunson
 P.O. #: Company:
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H402803	SP1 @ 1'	G	1			✓				9/5/14	9:00AM	✓	✓
	SP1 @ 3'	G	1			✓				9/5/14	9:20 AM	✓	✓
	SP1 @ 5'	G	1			✓				9/5/14	9:40 AM	✓	✓
	SP1 @ 7'	G	1			✓				9/5/14	10:00 AM	✓	✓
	SP1 @ 9'	G	1			✓				9/5/14	10:20 AM	✓	✓
	SP2 @ 1'	G	1			✓				9/5/14	10:40 AM	✓	✓
	SP2 @ 3'	G	1			✓				9/5/14	11:00 AM	✓	✓
	SP2 @ 5'	G	1			✓				9/5/14	11:20 AM	✓	✓
	SP2 @ 7'	G	1			✓				9/5/14	11:40 AM	✓	✓
	SP2 @ 9'	G	1			✓				9/5/14	12:00 PM	✓	✓

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Relinquished By: [Signature] Date: 9/5/14 Time: 5:00PM
 Received By: [Signature] Date: 9/10/14 Time: 18:45
 Delivered By: (Circle One) UPS Bus Other: 5.40
 Sample Condition: Intact Cool Yes No
 CHECKED BY: [Signature] (Initials) [Signature]
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

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

#54



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

205

ANALYSIS REQUEST

BILL TO

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company:
 Address: P.O. Box 805 Attn:
 City: Hobbs State: NM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address:
 Project #: Project Owner: Oxy City:
 Project Name: Covington A Federal #18 Battery State: Zip:
 Project Location: Lea County, NM Phone #:
 Sampler Name: Price Brunson Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H442803													
11	SP3 @ 1'	G	1			✓			9/5/14	1:20 PM	✓	✓	
12	SP3 @ 3'	G	1			✓			9/5/14	1:40 PM	✓	✓	
13	SP3 @ 5'	G	1			✓			9/5/14	2:00 PM	✓	✓	
14	SP4 @ 1'	G	1			✓			9/5/14	2:10 PM	✓	✓	
15	SP4 @ 2'	G	1			✓			9/5/14	2:20 PM	✓	✓	

9/5/14 CAP CONTAINED BY PAGE 3

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Relinquished By: *[Signature]* Date: 9/5/14 Time: 5:00 PM Received By: *[Signature]* Date: 9/5/14 Time: 5:42 PM
 Relinquished By: *[Signature]* Date: 9/5/14 Time: 5:00 PM Received By: *[Signature]* Date: 9/5/14 Time: 5:42 PM
 Delivered By: (Circle One) UPS Bus Other: *5:42*
 Sample Condition: Cool Intact Yes No
 CHECKED BY: *[Signature]*

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

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

#54



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3073

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs
 State: NIM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: Covington A Federal #18 Battery
 Project Location: Lea County, NM
 Sampler Name: Jeff Ornelas
 P.O. #: Company:
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H402823													
16	SP5 @ SURFACE	G 1	1						9/8/14	9:00 AM	✓	✓	
17	SP5 @ 1'	G 1	1	✓					9/8/14	9:19 AM	✓	✓	
18	SP6 @ SURFACE	G 1	1	✓					9/8/14	10:00 AM	✓	✓	
19	SP6 @ 1'	G 1	1	✓					9/8/14	10:18 AM	✓	✓	
20	SP7 @ SURFACE	G 1	1	✓					9/8/14	11:00 AM	✓	✓	
21	SP7 @ 1'	G 1	1	✓					9/8/14	11:11 AM	✓	✓	

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Relinquished By: *Jeff Ornelas* Date: 9/8/14 Time: 5:00 PM
 Received By: *Cliff Brunson* Date: 9/10/14 Time: 10:45 AM
 Delivered By: (Circle One) UPS Bus Other: 5:40
 Sample Condition: Cool Intact Yes No
 CHECKED BY: *Cliff Brunson* Initials: *CB*

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

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March 05, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: COVINGTON A FEDERAL #18 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/27/15 11:40.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	02/27/2015	Sampling Date:	02/20/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP1 @ 1 (H500563-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	7.42	2.00	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	9.90	2.00	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	41.8	6.00	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	59.2	12.0	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	2550	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	9260	100	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 124 % 47.2-157

Surrogate: 1-Chlorooctadecane 150 % 52.1-176

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Analytical Results For:

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

Received:	02/27/2015	Sampling Date:	02/20/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP1 @ 3 (H500563-02)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	4.14	1.00	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	6.32	1.00	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	28.2	3.00	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	38.7	6.00	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 61-154

Chloride, SM4500CI-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	03/02/2015	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	1400	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	7550	100	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 134 % 47.2-157

Surrogate: 1-Chlorooctadecane 123 % 52.1-176

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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:	02/27/2015	Sampling Date:	02/20/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP1 @ 5 (H500563-03)

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	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.326	0.050	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	0.845	0.050	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	3.94	0.150	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	5.11	0.300	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	123	50.0	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	1030	50.0	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 73.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 68.6 % 52.1-176

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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:	02/27/2015	Sampling Date:	02/20/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP1 @ 6 (H500563-04)

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	03/02/2015	ND	1.85	92.7	2.00	8.04		
Toluene*	<0.050	0.050	03/02/2015	ND	1.67	83.4	2.00	8.02		
Ethylbenzene*	<0.050	0.050	03/02/2015	ND	1.88	94.2	2.00	9.05		
Total Xylenes*	<0.150	0.150	03/02/2015	ND	5.09	84.8	6.00	9.68		
Total BTEX	<0.300	0.300	03/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	02/27/2015	ND	201	101	200	2.21		
DRO >C10-C28	29.7	10.0	02/27/2015	ND	186	92.8	200	4.05		

Surrogate: 1-Chlorooctane 60.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 52.2 % 52.1-176

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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:	02/27/2015	Sampling Date:	02/20/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP1 @ 7 (H500563-05)

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	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 63.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 56.9 % 52.1-176

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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:	02/27/2015	Sampling Date:	02/20/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP2 @ 1 (H500563-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	21.5	2.00	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	23.4	2.00	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	85.1	6.00	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	130	12.0	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 61-154

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	4500	100	02/27/2015	ND	201	101	200	2.21		
DRO >C10-C28	16300	100	02/27/2015	ND	186	92.8	200	4.05		

Surrogate: 1-Chlorooctane 230 % 47.2-157

Surrogate: 1-Chlorooctadecane 260 % 52.1-176

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:	02/27/2015	Sampling Date:	02/20/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP2 @ 3 (H500563-07)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	25.0	2.00	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	25.0	2.00	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	83.3	6.00	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	133	12.0	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 61-154

Chloride, SM4500CI-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	03/02/2015	ND	400	100	400	0.00	

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	4390	100	02/27/2015	ND	201	101	200	2.21		
DRO >C10-C28	13200	100	02/27/2015	ND	186	92.8	200	4.05		

Surrogate: 1-Chlorooctane 148 % 47.2-157

Surrogate: 1-Chlorooctadecane 208 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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 Hobbs NM, 88241
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Received:	02/27/2015	Sampling Date:	02/23/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP2 @ 6 (H500563-08)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	0.218	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	15.8	10.0	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	237	10.0	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 66.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 57.8 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/23/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP2 @ 8 (H500563-09)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	22.9	10.0	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 65.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 59.7 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/23/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP2 @ 9 (H500563-10)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 60.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 52.1 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/23/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP3 @ 1 (H500563-11)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	36.1	5.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	27.8	5.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	91.5	15.0	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	155	30.0	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

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	5670	100	02/27/2015	ND	201	101	200	2.21		
DRO >C10-C28	14100	100	02/27/2015	ND	186	92.8	200	4.05		

Surrogate: 1-Chlorooctane 162 % 47.2-157

Surrogate: 1-Chlorooctadecane 230 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/23/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP3 @ 3 (H500563-12)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	15.0	2.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	15.2	2.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	54.4	6.00	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	84.6	12.0	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	64.0	16.0	03/02/2015	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	2900	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	7900	100	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 155 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/23/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP3 @ 4 (H500563-13)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.068	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 63.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 56.6 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP4 @ 1 (H500563-14)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	19.0	2.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	18.5	2.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	64.7	6.00	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	102	12.0	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 61-154

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	3920	100	02/27/2015	ND	197	98.7	200	0.687		
DRO >C10-C28	12000	100	02/27/2015	ND	192	96.2	200	3.20		

Surrogate: 1-Chlorooctane 143 % 47.2-157

Surrogate: 1-Chlorooctadecane 181 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP4 @ 3 (H500563-15)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	7.37	2.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	8.56	2.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	31.8	6.00	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	47.7	12.0	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500CI-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	03/02/2015	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	2140	100	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	8060	100	02/27/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 153 % 47.2-157

Surrogate: 1-Chlorooctadecane 172 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP4 @ 5 (H500563-16)

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	03/03/2015	ND	1.85	92.7	2.00	8.04		
Toluene*	0.051	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02		
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05		
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68		
Total BTEX	<0.300	0.300	03/03/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	11.3	10.0	02/27/2015	ND	197	98.7	200	0.687		
DRO >C10-C28	243	10.0	02/27/2015	ND	192	96.2	200	3.20		

Surrogate: 1-Chlorooctane 65.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 58.6 % 52.1-176

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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:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP4 @ 6 (H500563-17)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 60.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 57.2 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP5 @ 1 (H500563-18)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	17.7	2.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	17.8	2.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	56.8	6.00	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	92.3	12.0	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	3750	100	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	10200	100	02/27/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 128 % 47.2-157

Surrogate: 1-Chlorooctadecane 161 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP5 @ 2 (H500563-19)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.741	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	0.790	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	2.94	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	4.48	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	45.4	10.0	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	594	10.0	02/27/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 67.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 63.0 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP5 @ 3 (H500563-20)

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	03/03/2015	ND	1.85	92.7	2.00	8.04		
Toluene*	<0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02		
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05		
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68		
Total BTEX	<0.300	0.300	03/03/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-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	03/02/2015	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	02/27/2015	ND	197	98.7	200	0.687		
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	192	96.2	200	3.20		

Surrogate: 1-Chlorooctane 65.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 56.1 % 52.1-176

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 Fax To: (575) 397-0397

Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP6 @ 1 (H500563-21)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	2.97	0.500	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	3.41	0.500	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	12.7	1.50	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	19.1	3.00	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	704	100	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	9620	100	02/27/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 120 % 47.2-157

Surrogate: 1-Chlorooctadecane 174 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP6 @ 2 (H500563-22)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	0.124	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	0.116	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	0.388	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	0.628	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	141	10.0	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 64.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 59.4 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP6 @ 3 (H500563-23)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	<0.050	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 61-154

Chloride, SM4500CI-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	03/02/2015	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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	23.3	10.0	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 63.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 60.9 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP7 @ 1 (H500563-24)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	0.105	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	0.069	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	0.224	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	0.398	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	43.0	10.0	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 67.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 63.1 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP7 @ 2 (H500563-25)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	0.103	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	0.231	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	0.334	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	175	10.0	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 68.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 64.0 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP7 @ 3 (H500563-26)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	<0.050	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	03/02/2015	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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 64.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 54.8 % 52.1-176

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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:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP8 @ 1 (H500563-27)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	37.2	5.00	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	27.4	5.00	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	94.0	15.0	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	159	30.0	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

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	4960	100	02/28/2015	ND	197	98.7	200	0.687		
DRO >C10-C28	14100	100	02/28/2015	ND	192	96.2	200	3.20		

Surrogate: 1-Chlorooctane 161 % 47.2-157

Surrogate: 1-Chlorooctadecane 221 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP8 @ 3 (H500563-28)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	54.7	5.00	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	32.0	5.00	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	95.1	15.0	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	182	30.0	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/02/2015	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	5370	100	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	11200	100	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 141 % 47.2-157

Surrogate: 1-Chlorooctadecane 171 % 52.1-176

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 Fax To: (575) 397-0397

Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP8 @ 5 (H500563-29)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	0.071	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 63.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 58.1 % 52.1-176

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 Fax To: (575) 397-0397

Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP8 @ 7 (H500563-30)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	<0.050	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	<0.300	0.300	03/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 63.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 57.4 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/24/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP8 @ 8 (H500563-31)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 66.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 58.0 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP9 @ 1 (H500563-32)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	5.10	2.00	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	8.51	2.00	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	36.8	6.00	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	50.4	12.0	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	2130	100	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	11600	100	02/28/2015	ND	192	96.2	200	3.20	

Surrogate: 1-Chlorooctane 142 % 47.2-157

Surrogate: 1-Chlorooctadecane 168 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP9 @ 2 (H500563-33)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	0.128	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	0.195	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	0.964	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	1.29	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	59.1	10.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	510	10.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 73.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 73.1 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP9 @ 4 (H500563-34)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	0.125	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	0.153	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	0.737	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	1.02	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/02/2015	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	36.9	10.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	435	10.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 71.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 63.8 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP9 @ 5 (H500563-35)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	57.3	10.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 69.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 64.1 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP10 @ 1 (H500563-36)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	0.756	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	0.831	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	3.12	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	4.70	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	116	50.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	462	50.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 71.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 68.3 % 52.1-176

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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:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP10 @ 2 (H500563-37)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	0.061	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	0.196	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	190	10.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 72.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 67.5 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP10 @ 4 (H500563-38)

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	03/04/2015	ND	1.97	98.3	2.00	4.17		
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85		
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44		
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80		
Total BTEX	<0.300	0.300	03/04/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 61-154

Chloride, SM4500CI-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	03/02/2015	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	02/28/2015	ND	193	96.7	200	3.97		
DRO >C10-C28	99.2	10.0	02/28/2015	ND	182	91.1	200	5.14		

Surrogate: 1-Chlorooctane 68.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 63.8 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP10 @ 5 (H500563-39)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	25.7	10.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 66.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 64.4 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/25/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP11 @ 1 (H500563-40)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 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	<50.0	50.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	522	50.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 62.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 68.4 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/26/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP11 @ 3 (H500563-41)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 61-154

Chloride, SM4500CI-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	03/02/2015	ND	400	100	400	3.92	

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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	61.5	10.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 67.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 59.5 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/26/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP11 @ 5 (H500563-42)

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	03/04/2015	ND	1.97	98.3	2.00	4.17		
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85		
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44		
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80		
Total BTEX	<0.300	0.300	03/04/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	02/28/2015	ND	193	96.7	200	3.97		
DRO >C10-C28	131	10.0	02/28/2015	ND	182	91.1	200	5.14		

Surrogate: 1-Chlorooctane 69.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 64.2 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/26/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP11 @ 6 (H500563-43)

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	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	<0.050	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 64.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 56.8 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/26/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP12 @ 1 (H500563-44)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	33.2	5.00	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	18.8	5.00	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	61.1	15.0	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	113	30.0	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 61-154

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	5190	100	02/28/2015	ND	193	96.7	200	3.97		
DRO >C10-C28	16500	100	02/28/2015	ND	182	91.1	200	5.14		

Surrogate: 1-Chlorooctane 177 % 47.2-157

Surrogate: 1-Chlorooctadecane 259 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/26/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP12 @ 3 (H500563-45)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	2.67	0.500	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	2.71	0.500	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	10.2	1.50	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	15.6	3.00	03/04/2015	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/02/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	628	50.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	2150	50.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 94.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 81.7 % 52.1-176

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Received:	02/27/2015	Sampling Date:	02/26/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP12 @ 5 (H500563-46)

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	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	0.052	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	26.1	10.0	02/28/2015	ND	182	91.1	200	5.14	

Surrogate: 1-Chlorooctane 70.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 61.0 % 52.1-176

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:	02/27/2015	Sampling Date:	02/26/2015
Reported:	03/05/2015	Sampling Type:	Soil
Project Name:	COVINGTON A FEDERAL #18 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP12 @ 6 (H500563-47)

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	03/04/2015	ND	2.04	102	2.00	1.08		
Toluene*	<0.050	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15		
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03		
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645		
Total BTEX	<0.300	0.300	03/04/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 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	02/28/2015	ND	193	96.7	200	3.97		
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	182	91.1	200	5.14		

Surrogate: 1-Chlorooctane 64.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 56.9 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



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

2/5

Company Name: BBC International, Inc.		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:		Attn:			
Address: P.O. Box 805		State: NM		Zip: 88241			
City: Hobbs		Address:		Phone #:			
Phone #: 575-397-6388		Fax #: 575-397-0397		City:			
Project #:		Project Owner: OXY		State:			
Project Name: Livingston A Federal Yr 10		City:		Phone #:			
Project Location: West One/25		Fax #:		Date:			
Sampler Name:		PRESERV:		SAMPLING			
FOR LAB USE ONLY		MATRIX		DATE		TIME	
Lab I.D. H500503		Sample I.D.		DATE		TIME	
11		SP303		2:23		2:57	
12		SP404		2:24		3:29	
13		SP403				9:01	
14		SP501				9:45	
15		SP502				10:33	
16		SP503				10:58	
17		SP504				11:22	
18		SP505				11:39	
19		SP506				10:00	
20		SP507				10:00	
		(G)RAB OR (C)OMP.					
		# CONTAINERS					
		GROUNDWATER					
		WASTEWATER					
		SOIL					
		OIL					
		SLUDGE					
		OTHER :					
		ACID/BASE:					
		ICE / COOL					
		OTHER :					
		DATE					
		TIME					
		TPH					
		BTEX					
		CL-					

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Relinquished By: *West One/25*

Received By: *Scott Jensen*

Date: *2-7-15*

Time: *11:40*

Delivered By: (Circle One) UPS Bus Other: *2:42*

Sample Condition: Cool Intact Yes No

Checked By: *[Signature]*

Phone Result: Yes No

Fax Result: Yes No

REMARKS:

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/5

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: oxy
 Project Name: Covington Branch
 Project Location: Millis Drumps
 Sampler Name: Jeff Drumps
 P.O. #: Company: Attn: Address: City: State: Zip: Jane
 Phone #: Fax #: PRESERV: OTHER: SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H500563	SP601	C	1			X				2:24	12:5	X	X	X
	82	C	1			X					1:36	X	X	X
	83	C	1			X					1:44	X	X	X
	84	C	1			X					2:19	X	X	X
	85	C	1			X					2:35	X	X	X
	86	C	1			X					3:00	X	X	X
	87	C	1			X					3:10	X	X	X
	88	C	1			X					3:29	X	X	X
	89	C	1			X					3:41	X	X	X
	90	C	1			X					4:00	X	X	X

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Relinquished By: Jeff Brunson
 Date: 2-27-15
 Time: 11:40
 Received By: Scott Johnson
 Date: 2-27-15
 Time: 2:42
 Sample Condition: Cool Intact
 Delivered By: (Circle One) UPS Bus Other: 242
 CHECKED BY: (Initials) [Signature]
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: #54

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



ARDINAL 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. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson P.O. #: Company:

Address: P.O. Box 805 State: NM Zip: 88241 Attn: Address:

City: Hobbs Fax #: 575-397-0397 Project Owner: City: State: Zip: Attn: Address:

Phone #: 575-397-6388 Project #: City: State: Zip: Attn: Address:

Project Name: Covington A-10 OKY Project Location: City: State: Zip: Attn: Address:

Project Location: Covington A-10 OKY Project Name: City: State: Zip: Attn: Address:

Sampler Name: Zeff Creek Project Location: City: State: Zip: Attn: Address:

FOR LAB USE ONLY MATRIX PRESERV. SAMPLING

Lab I.D. Sample I.D.

HS00563 (G)RAB OR (C)OMP. # CONTAINERS

31 SP0000

32 SP9000

33 SP1000

34 SP1000

35 SP1000

36 SP1000

37 SP1000

38 SP1000

39 SP1000

40 SP1000

DATE TIME

2:24 4:10

2:25 9:39

10:57 10:10

11:55 11:38

11:11 1:51

11:40 2:02

2:45 2:45

TPH
BTEX
CL-

Relinquished By: [Signature] Date: 2-27-15 Time: 11:40

Received By: [Signature] Date: 2-27-15 Time: 11:40

Delivered By: (Circle One) 249

Sampler - UPS - Bus - Other: 249

Sample Condition Cool Intact Yes No

CHECKED BY: [Signature]

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

#54

4/5



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5/5

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:									
Project Manager: Cliff Brunson		Company:									
Address: P.O. Box 805		Attn:									
City: Hobbs		Address:									
Phone #: 575-397-6388		City: Jamez									
Fax #: 575-397-0397		State:									
Project #: OXY		Zip:									
Project Name: Cowhater A-18		Phone #:									
Project Location: Cowhater A-18		Fax #:									
Sampler Name: TSP Ornelas											
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	CI-
HS00563	SP1103		1	SOIL	X		2-26	950	X	X	X
41	66		1	SOIL	X			948	X	X	X
42	66		1	SOIL	X			10/19	X	X	X
43	66		1	SOIL	X			11/11	X	X	X
44	SP1201		1	SOIL	X			12/28	X	X	X
45	66		1	SOIL	X			13/7	X	X	X
46	66		1	SOIL	X			2/9	X	X	X
47	66		1	SOIL	X				X	X	X

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Relinquished By: *[Signature]* Date: 2-27-15 Received By: *[Signature]* Date: 11-40
 Relinquished By: *[Signature]* Date: _____ Received By: *[Signature]* Date: _____
 Delivered By: (Circle One) UPS Bus Other: *2.42*
 Sample Condition: Cool Intact Yes No
 CHECKED BY: *[Signature]*
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: *#54*

Kathy Purvis

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Sent: Wednesday, January 14, 2015 3:53 PM
To: Cliff Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY - Covington A Federal #18 Battery - Remediation Plan

Cliff et al,

This is to confirm that OCD grants conditional approval (with concurrence from BLM) for the plan as written and discussed.

Regarding the RP's for the 3 events, OCD will retroactively apply the last RP-3284 to the entire site covered in this plan. We appreciate your patience and diligence.

Mahalo
-Doc

Tomáš 'Doc' Oberding, PhD
Hydrologist-Advanced
Oil Conservation Division, EMNRD
(575) 393-6161 ext 111
E-Mail: tomas.oberding@state.nm.us

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.

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, January 14, 2015 3:19 PM
To: Oberding, Tomas, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Covington A Federal #18 Battery - Remediation Plan

Tomas,

This e-mail is to confirm our conversation yesterday, January 13, 2015 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. The agreed upon remediation parameters are on the first page which is the site drawing with your initials beside the excavation depths. We are requesting BLM approval as well. The site had three leaks which are all included in this plan and we only have an RP number for the third leak: 1RP-3284.

If you would please e-mail your concurrence with this remediation 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

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Kathy Purvis

From: Hughes, Solomon <shughes@blm.gov>
Sent: Wednesday, March 04, 2015 2:25 PM
To: Cliff Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: FW: OXY - Covington A Federal #18 Battery - Remediation Plan

This plan is approved as written with the following conditions of approval:

- Oxy must fully delineate and remediate this spill upon final abandonment of the well and facilities.

BLM approval of this proposal does not relieve the operator of liability, should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, any other aspects of the natural environment, human health, or if the location does not properly reclaim. In such an event that location does not re-vegetate, or future issues with contaminants are encountered, the operator will be asked to address the location until 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.

Bests,
Sol

Sol Hughes

Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Mon, Feb 23, 2015 at 3:33 PM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Sol,

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 Tomas Oberding of the NMOCD. His email follows this message.

If you will review the diagram on the attachment, it depicts the remediation plan and the areas and depths of the excavations. After the soil is excavated, the site will be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation 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

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From: Oberding, Tomas, EMNRD [mailto:Tomas.Oberding@state.nm.us]
Sent: Wednesday, January 14, 2015 3:53 PM
To: Cliff Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY - Covington A Federal #18 Battery - Remediation Plan

Cliff et al,

This is to confirm that OCD grants conditional approval (with concurrence from BLM) for the plan as written and discussed.

Regarding the RP's for the 3 events, OCD will retroactively apply the last RP-3284 to the entire site covered in this plan.

We appreciate your patience and diligence.

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD

Hydrologist-Advanced

Oil Conservation Division, EMNRD

(575) 393-6161 ext 111

E-Mail: tomas.oberding@state.nm.us

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.

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]

Sent: Wednesday, January 14, 2015 3:19 PM

To: Oberding, Tomas, EMNRD

Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY - Covington A Federal #18 Battery - Remediation Plan

Tomas,

This e-mail is to confirm our conversation yesterday, January 13, 2015 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. The agreed upon remediation parameters are on the first page which is the site drawing with your initials beside the excavation depths. We are requesting BLM approval as well. The site had three leaks which are all included in this plan and we only have an RP number for the third leak: 1RP-3284.

If you would please e-mail your concurrence with this remediation 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

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Cliff Brunson

From: John_Maras@oxy.com
Sent: Wednesday, August 19, 2015 3:06 PM
To: Chancey_Summers@oxy.com
Subject: FW: Covington A Fed #18

-----Original Message-----

From: Jones, Christopher K
Sent: Tuesday, April 28, 2015 9:20 AM
To: Maras, John P <John_Maras@oxy.com>
Subject: FW: Covington A Fed #18

Chris Jones
HES OPS Specialist
OUSA USOp PR Del HES ENV
New Mexico
Cell 575-499-3337

"We do not inherit the earth from
our ancestors; we borrow it from
our children." Chief Seattle

-----Original Message-----

From: Oberding, Tomas, EMNRD [mailto:Tomas.Oberding@state.nm.us]
Sent: Thursday, April 23, 2015 4:34 PM
To: Jones, Christopher K; shughes@blm.gov; jamos@blm.gov
Subject: RE: Covington A Fed #18

Gentlemen,

Based on the location, OCD conditionally approves the amended workplan for this location.
Obtain concurrence from the BLM please.

Tomáš 'Doc' Oberding PhD
Hydrologist, Adv-District 1
Oil Conservation Division, EMNRD
(505) 476-3403
575-370-3180 (emergency-cell)
E-Mail: tomas.oberding@state.nm.us

一期一会

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.

Please note:

- The OCD is no longer granting "risk-based," or standard closure of events/RPs with remediation deferred to site abandonment/sale/closure. The RP will remain open until such time as historic contamination is addressed.
- Photographic documentation is stipulated for all events involving liquids.

If you have any questions or concerns, and for notification, please contact me.

-----Original Message-----

From: Christopher_Jones@oxy.com [mailto:Christopher_Jones@oxy.com]
Sent: Thursday, April 23, 2015 8:44 AM
To: Oberding, Tomas, EMNRD; shughes@blm.gov; jamos@blm.gov
Subject: Covington A Fed #18

As per our conversation Doc at this location due to depth to ground water being 450' Oxy will be doing a 3' excavation across the entire site and going back with a liner and backfilling with all new material. Oxy will also be going back with a new infrastructure, ie new tanks etc. As far as the spill outside the battery Oxy will do a 6" scrap to clean that spill up. Oxy would like this to account as a full closure for all open spills at this facility. If approved from both Regulatory agencies. Please respond if all agree with this.

Chris Jones
HES OPS Specialist
OUSA USOp PR Del HES ENV
New Mexico
Cell 575-499-3337

"We do not inherit the earth from our ancestors; we borrow it from our children." Chief Seattle

Cliff Brunson

From: Chancey_Summers@oxy.com
Sent: Tuesday, August 25, 2015 8:57 AM
To: cbrunson@bbcinternational.com; jgilkey@bbcinternational.com;
kathy@bbcinternational.com; kswinney@bbcinternational.com
Subject: FW: Covington A Fed #18

Thank You
C.J. Summers
HES Lead
Cell # 575-631-9436
Office # 432-685-5824
Chancey_Summers@oxy.com

"When the blind lead the blind, get out of the way!"



Worksite Safety Requirement -August Focus
WSR 7 – Follow Confined Safety Policy

From: Maras, John P
Sent: Wednesday, August 19, 2015 4:07 PM
To: Summers, Chancey J
Subject: FW: Covington A Fed #18

From: Jones, Christopher K
Sent: Wednesday, June 17, 2015 10:26 AM
To: Maras, John P <John_Maras@oxy.com>
Subject: RE: Covington A Fed #18

John, I got verbal and email confirmation because I thought this was a project that was needing expedited so it was not formally written up but as long as we have email confirmation we are good to go.

Chris Jones
HES OPS Specialist

*OUSAs USOp PR Del HES ENV
New Mexico
Cell 575-499-3337*

*"We do not inherit the earth from
our ancestors; we borrow it from
our children." Chief Seattle*

From: Maras, John P
Sent: Wednesday, June 17, 2015 11:18 AM
To: Jones, Christopher K
Subject: Re: Covington A Fed #18

Chris

Can you forward me the actual remediation plan and associated paperwork for the Covington

Thanks

Sent from my iPhone

On Apr 28, 2015, at 10:20 AM, "Jones, Christopher K" <Christopher.Jones@oxy.com> wrote:

This was the last one I was waiting on, we are a go baby.

*Chris Jones
HES OPS Specialist
OUSAs USOp PR Del HES ENV
New Mexico
Cell 575-499-3337*

*"We do not inherit the earth from
our ancestors; we borrow it from
our children." Chief Seattle*

From: Hughes, Solomon [<mailto:shughes@blm.gov>]
Sent: Tuesday, April 28, 2015 10:18 AM
To: Jones, Christopher K
Cc: Tomas 'Doc' Oberding PhD; James Amos
Subject: Re: Covington A Fed #18

This plan is approved as written with the following conditions:

BLM approval of this proposal does not relieve the operator of liability, should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, any other aspects of the natural environment, human health, or if the location does not properly reclaim. In such an event that location does not re-vegetate, or future issues with contaminants are encountered, the operator will be asked to address the location until 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.

Bests,

Sol

Sol Hughes

Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Thu, Apr 23, 2015 at 8:43 AM, <Christopher.Jones@oxy.com> wrote:

As per our conversation Doc at this location due to depth to ground water being 450' Oxy will be doing a 3' excavation across the entire site and going back with a liner and backfilling with all new material. Oxy will also be going back with a new infrastructure, ie new tanks etc. As far as the spill outside the battery Oxy will do a 6" scrap to clean that spill up. Oxy would like this to account as a full closure for all open spills at this facility. If approved from both Regulatory agencies. Please respond if all agree with this.

Chris Jones
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Cell 575-499-3337

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