

RECEIVED

By Jkeyes at 2:18 pm, Mar 24, 2016

Closure Report

APPROVED

By Jkeyes at 2:18 pm, Mar 24, 2016

Site Description

Site Name:	Thomas A #003
Company:	Oxy Permian Ltd.
Legal Description:	U/L J, Section 19, T24S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.20099° W 103.19897°

Release Data

Date of Release:	09/06/2015
Type of Release:	Oil and produced water
Source of Release:	Stress/fatigue of 3" poly flow line
Volume of Release:	5 bbls oil, 7 bbls produced water
Volume Recovered:	5 bbls

Remediation Specifications

Remediation Parameters:	Excavate the spill areas around SP1 and SP2 to a depth of 5 feet. Place a liner in the excavation. Excavate the area around SP3 to a depth of 3 feet. Backfill the site with clean soil.	
Remediation Activities:	03/09/2016 to 03/17/2016	
Plan Sent to OCD:	11/22/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	11/23/2015	Email from Jamie Keyes to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 09/21/2015
Final C-141	Signed 03/21/2016
Site Diagram	September 2015
Groundwater Plot	100'-125'
TOPO Maps	September 2015
Lab Summary	09/14/2015-09/21/2015
Lab Analysis	09/14/2015-09/21/2015
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.

03/24/2016

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Bruzos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Dusty Wilson
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5771
Facility Name	Thomas A #003	Facility Type	Well
Surface Owner	Pruett	Mineral Owner	
		API No.	30-025-26139

LOCATION OF RELEASE

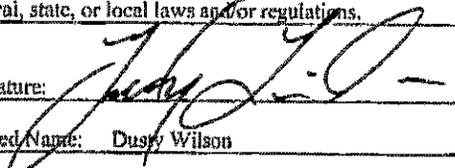
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	19	24S	37E					Lea County, NM

Latitude N 32.20099° Longitude W 103.19897°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	5 bbls oil, 7 bbls produced water	Volume Recovered	5 bbls
Source of Release	Stress/fatigue of 3" poly flow line	Date and Hour of Occurrence	09/06/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Kellie Jonas, Jamie Keyes, & Tomas Oberding-NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	09/08/2015		
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.*					
Stress/fatigue of a flow line caused 5 bbls of oil and 7 bbls of produced water to leak onto the ground. A vacuum truck recovered 5 bbls of fluids and the line was repaired/replaced.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 33' x 20' off location just north of the entrance road. Remediation will be completed in accordance with a remediation plan approved by NMOCD.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					

OIL CONSERVATION DIVISION

Signature:			
Printed Name:	Dusty Wilson	Approved by Environmental Specialist:	
Title:	Environmental Advisor	Approval Date:	Expiration Date:
E-mail Address:	Dusty.Wilson@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	9/21/15	Phone:	(432) 685-5771

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
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	Thomas A #003	Facility Type	Well

Surface Owner	Pruett	Mineral Owner		API No.	30-025-26139
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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
J	19	24S	37E					Lea County, NM

Latitude N 32.20099° Longitude W 103.19897°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	5 bbls oil, 7 bbls produced water	Volume Recovered	5 bbls
Source of Release	Stress/fatigue of 3" poly flow line	Date and Hour of Occurrence	09/06/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kellie Jones, Jamie Keyes, & Tomas Oberding-NMOCD			
By Whom?	Kathy Purvis, BBC International	Date and Hour	09/08/2015		
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.*
Stress/fatigue of a flow line caused 5 bbls of oil and 7 bbls of produced water to leak onto the ground. A vacuum truck recovered 5 bbls of fluids and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 38' x 20' off location just north of the entrance road. Remediation was completed in accordance with a remediation plan approved by Jamie Keyes of NMOCD via email on 11/23/2015.

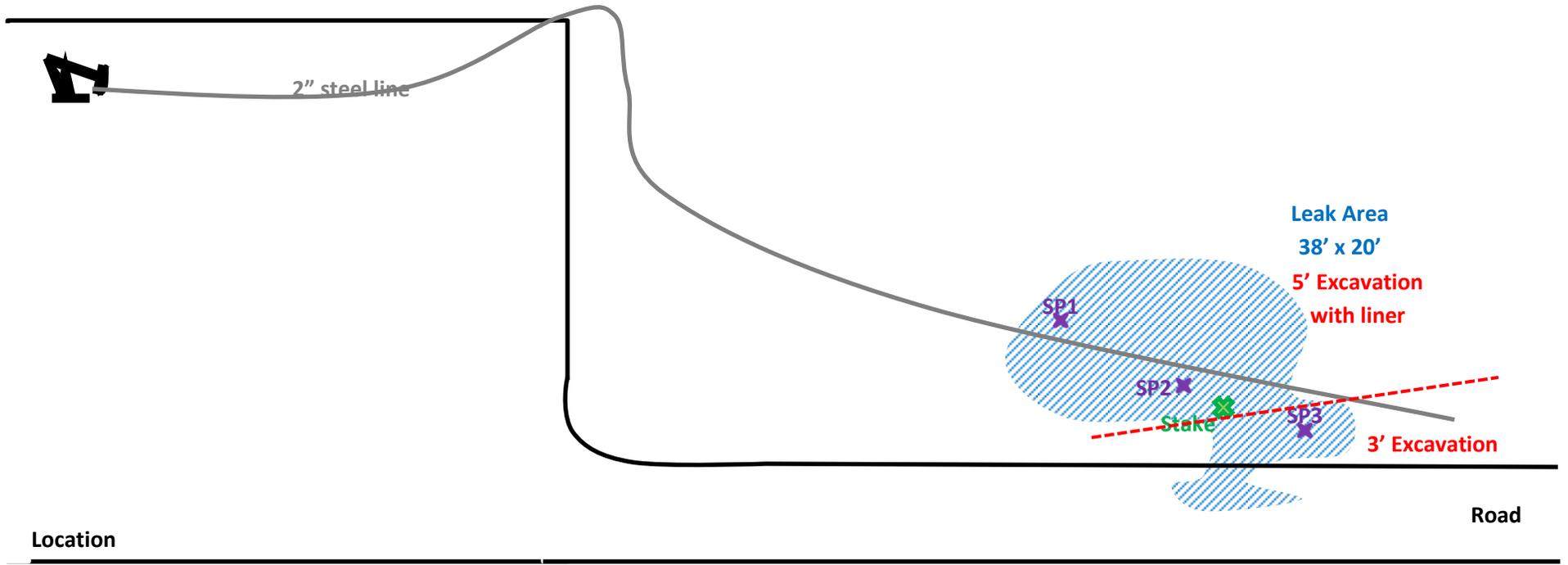
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: <i>Jamie Keyes</i>		
Title: NM Environmental Advisor	Approval Date: 03/24/2016	Expiration Date: ///	
E-mail Address: Casey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3-21-16 Phone: (575) 513-8289	///		

* Attach Additional Sheets If Necessary



Oxy
Thomas A #003



U/L J, Section 19, T24S, R37E

Lea County, NM

N 32.20099° W 103.19897°

API#30-025-26139

BBC International, Inc.	
Oxy Thomas A #003	
Date: 09/15/15	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2015

Groundwater Plot

Oxy Thomas A #003

County
Lea

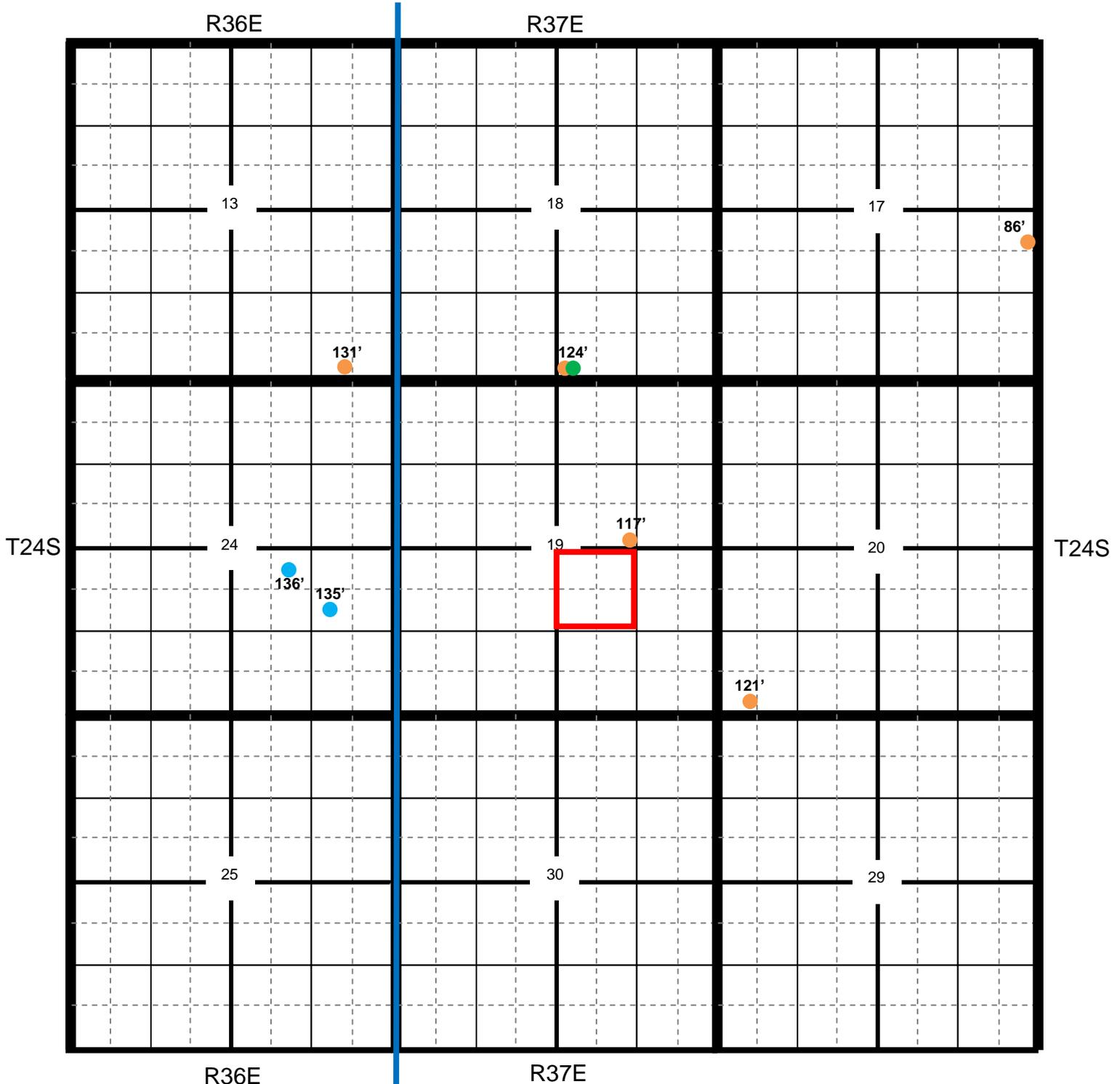
Unit Letter
J

Section
19

Township
24S

Range
37E

Trend Map 100'-125'



📍 Location

● OCD

● USGS

● SEO

● All Databases

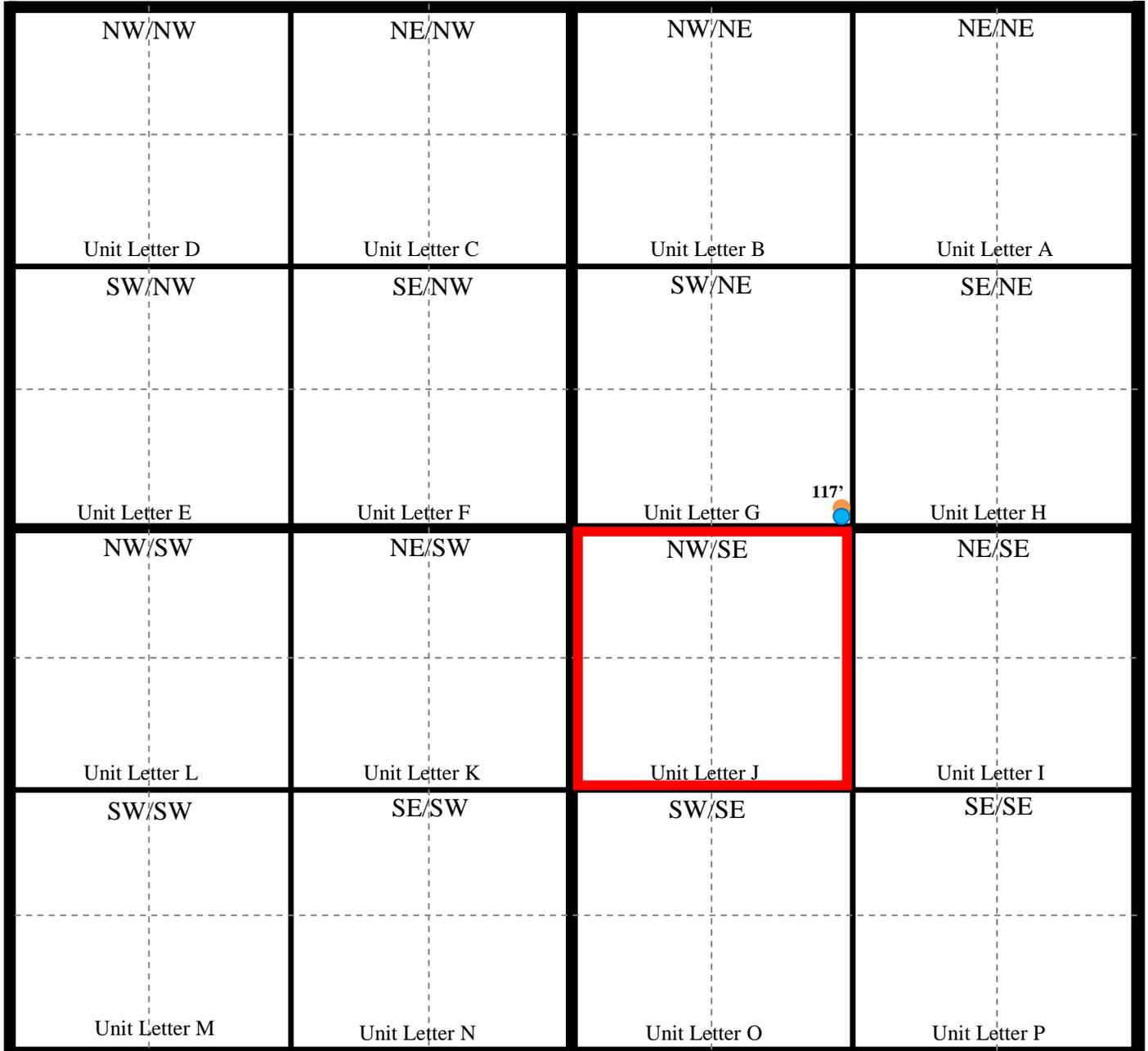
Oxy Thomas A #003

County Lea **Unit Letter** J **Section** 19 **Township** 24S **Range** 37E

Trend Map 100'-125'

1

2



3

4

**Laboratory Analytical Results Summary
Thomas A #003**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'	SP1 @ 11'	SP1 @ 13'	SP1 @ 14'
Analyte	Method	Date	9/14/15	9/14/15	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		23.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		46.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		96.1	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		165	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		3280	3840	4960	544	2280	2400	720	288
GRO	TPH 8015M		2840	<10.0	<10.0	<10.0	<10.0	12.5	<10.0	<10.0
DRO	TPH 8015M		10200	<10.0	<10.0	110	196	505	22.6	61.4

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 9'	SP2 @ 11'	SP2 @ 13'	SP2 @ 14'
Analyte	Method	Date	9/14/15	9/14/15	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.11	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		19.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		41.6	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		80.7	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		143	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		3400	2800	5600	560	1720	1870	336	224
GRO	TPH 8015M		3010	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		11700	<10.0	<10.0	105	56.5	89.4	<10.0	79

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	9/14/15	9/21/15	9/21/15	9/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		20.7	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		39.2	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		80.6	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		140	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		3600	4080	176	96
GRO	TPH 8015M		3200	<10.0	<10.0	<10.0
DRO	TPH 8015M		11600	392	<10.0	<10.0



September 29, 2015

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

RE: THOMAS A #003

Enclosed are the results of analyses for samples received by the laboratory on 09/22/15 14:45.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H502497-01)

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	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	23.1	2.00	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	46.3	2.00	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	96.1	6.00	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	165	12.0	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	09/23/2015	ND	432	108	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	2840	100	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	10200	100	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 391 % 47.2-157

Surrogate: 1-Chlorooctadecane 259 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 3' (H502497-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<0.300	0.300	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	09/23/2015	ND	432	108	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 5' (H502497-03)

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	09/24/2015	ND	2.01	100	2.00	0.972		
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19		
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25		
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94		
Total BTEX	<0.300	0.300	09/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	09/23/2015	ND	432	108	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	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 99.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 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:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 7' (H502497-04)

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	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<0.300	0.300	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/23/2015	ND	432	108	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	110	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 131 % 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:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 9' (H502497-05)

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	09/24/2015	ND	2.01	100	2.00	0.972		
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19		
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25		
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94		
Total BTEX	<0.300	0.300	09/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	09/23/2015	ND	432	108	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	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	196	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 97.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 11' (H502497-06)

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	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.500	0.500	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.500	0.500	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<1.50	1.50	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<3.00	3.00	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	09/23/2015	ND	432	108	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	12.5	10.0	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	505	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 108 % 47.2-157
Surrogate: 1-Chlorooctadecane 119 % 52.1-176

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 Hobbs NM, 88241
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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 13' (H502497-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<0.300	0.300	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/23/2015	ND	432	108	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	22.6	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 95.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 14' (H502497-08)

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	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<0.300	0.300	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/24/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	61.4	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H502497-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.11	1.00	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	19.1	1.00	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	41.6	1.00	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	80.7	3.00	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	143	6.00	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	09/24/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3010	100	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	11700	100	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 433 % 47.2-157

Surrogate: 1-Chlorooctadecane 296 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 3' (H502497-10)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	09/24/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 95.4 % 47.2-157
Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 5' (H502497-11)

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	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	<0.300	0.300	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	09/24/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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 Hobbs NM, 88241
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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 7' (H502497-12)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	09/24/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	105	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 104 % 47.2-157
Surrogate: 1-Chlorooctadecane 119 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 9' (H502497-13)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	09/24/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	56.5	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 126 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 11' (H502497-14)

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	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	<0.300	0.300	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1870	16.0	09/24/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	89.4	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 97.4 % 47.2-157
Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 13' (H502497-15)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/24/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/25/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	<10.0	10.0	09/25/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 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:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 14' (H502497-16)

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	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	<0.300	0.300	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/24/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/25/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	79.0	10.0	09/25/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H502497-17)

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	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	20.7	2.00	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	39.2	2.00	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	80.6	6.00	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	140	12.0	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	09/24/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3200	100	09/25/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	11600	100	09/25/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 430 % 47.2-157

Surrogate: 1-Chlorooctadecane 303 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 3' (H502497-18)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	09/24/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/24/2015	ND	162	80.9	200	1.42		
DRO >C10-C28	392	10.0	09/24/2015	ND	173	86.3	200	0.855		

Surrogate: 1-Chlorooctane 72.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 75.9 % 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:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 5' (H502497-19)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/24/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/24/2015	ND	162	80.9	200	1.42		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	173	86.3	200	0.855		

Surrogate: 1-Chlorooctane 76.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 73.6 % 52.1-176

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Analytical Results For:

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 6' (H502497-20)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/24/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/24/2015	ND	162	80.9	200	1.42		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	173	86.3	200	0.855		

Surrogate: 1-Chlorooctane 69.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 76.0 % 52.1-176

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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

Company Name: BBC International, Inc.	P.O. #:	BILL TO
Project Manager: Cliff Brunson	Company: <i>Dusty Wilkerson</i>	
Address: P.O. Box 805	Attn:	
City: Hobbs	Address:	
Phone #: 575-397-6388	City:	
State: NM Zip: 88241	State:	
Fax #: 575-397-0397	Zip:	
Project #: _____	Project Owner: Oxy	
Project Name: Thomas A #003		
Project Location: Lea County, NM		
Sampler Name: Roger Hernandez		
FOR LAB USE ONLY		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	BTEX	CI	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
<i>H502497</i>																
1	SP1 @ 1'															
2	SP1 @ 3'															
3	SP1 @ 5'															
4	SP1 @ 7'															
5	SP1 @ 9'															
6	SP1 @ 11'															
7	SP1 @ 13'															
8	SP1 @ 14'															
9	SP2 @ 1'															
10	SP2 @ 3'															

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Relinquished By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Time: <i>2:45</i>	Date: _____	Time: _____	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____	Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>	REMARKS: _____	

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



CARDINAL 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.	P.O. #: <i>MSB/W/SM</i>
Project Manager: Cliff Brunson	Company: <i>MSB/W/SM</i>
Address: P.O. Box 805	Attn:
City: Hobbs	Address:
Phone #: 575-397-6388	City:
Fax #: 575-397-0397	State:
Project #: <i>Oxy</i>	Zip:
Project Name: Thomas A #003	Phone #:
Project Location: Lea County, NM	Fax #:
Sampler Name: Roger Hernandez	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	CI	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<i>H502471</i>	SP2 @ 5'		1			<input checked="" type="checkbox"/>				9/21/15	1:22 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 7'		1			<input checked="" type="checkbox"/>				9/21/15	1:48 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 9'		1			<input checked="" type="checkbox"/>				9/21/15	2:09 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 11'		1			<input checked="" type="checkbox"/>				9/21/15	2:38 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 13'		1			<input checked="" type="checkbox"/>				9/21/15	3:08 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 14'		1			<input checked="" type="checkbox"/>				9/21/15	3:17 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP3 @ 1'		1			<input checked="" type="checkbox"/>				9/14/15	1:38 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP3 @ 3'		1			<input checked="" type="checkbox"/>				9/21/15	3:30 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP3 @ 5'		1			<input checked="" type="checkbox"/>				9/21/15	3:47 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP3 @ 6'		1			<input checked="" type="checkbox"/>				9/21/15	4:00 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Time: <i>2:45 PM</i>	Received By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Time: <i>5:02</i>
Relinquished By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Time: <i>2:45 PM</i>	Received By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Time: <i>5:02</i>
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>5.02</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>[Signature]</i>	REMARKS:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: <i>#54</i>

Kathy Purvis

From: Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>
Sent: Monday, November 23, 2015 7:35 AM
To: Cliff Brunson
Cc: Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Jones, Kellie, EMNRD
Subject: RE: OXY Thomas A #003 - Remediation Plan

Good morning,

The work plan is approved as is.

Thank you,

Jamie

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Sunday, November 22, 2015 5:39 PM
To: Jones, Kellie, EMNRD
Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY Thomas A #003 - Remediation Plan

Kellie,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy Thomas A #003. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

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

Thanks, Cliff

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

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No virus found in this message.

Checked by AVG - www.avg.com

Version: 2015.0.6176 / Virus Database: 4460/11052 - Release Date: 11/23/15













