

**RECEIVED**

By JKeyes at 1:18 pm, Apr 14, 2016

**Closure Report****APPROVED****Site Description**

Site Name:	MLMU CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L G, Section 5, T24S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.24724° W 103.18388°

**Release Data**

Date of Release:	10/23/2015
Type of Release:	Oil and produced water
Source of Release:	Lost pressure on the belts & sent the fluid out the vent line
Volume of Release:	30 bbls oil and 30 bbls produced water
Volume Recovered:	55 bbls of fluid

**Remediation Specifications**

Remediation Parameters:	Surface scrape 6" across the entire location. Backfill the site with clean soil.	
Remediation Activities:	03/22/2016 to 04/08/2016	
Plan Sent to OCD:	01/27/2016	Email from Cliff Brunson to Kellie Jones
OCD Approval of Plan:	01/29/2016	Email from Kellie Jones 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 11/11/2015
Final C-141	Signed 04/11/2016
Site Diagram	November 2015
Groundwater Plot	100'
TOPO Maps	November 2015
Lab Summary	11/20/2015 and 11/23/2015
Lab Analysis	11/20/2015 and 11/23/2015
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.

04/14/2016

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

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company Oxy Permian Ltd.	Contact Dusty Wilson
Address 6 Desta Drive, Midland, TX 79705	Telephone No. 432-685-5771
Facility Name MLMU CTB	Facility Type Battery
Surface Owner Jimmy Doom	Mineral Owner
API No. 30-025-11017	

**LOCATION OF RELEASE**

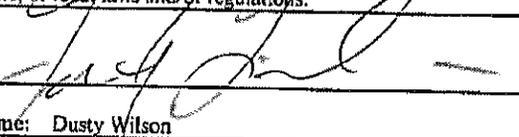
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	5	24S	37E					Lea

Latitude 32.24724 Longitude 103.18388

**NATURE OF RELEASE**

Type of Release Oil and Produced water	Volume of Release 30 bbls oil, 30 bbls produced water	Volume Recovered 55 bbls of fluid
Source of Release Lost pressure on the belts of the supplied gas air compressor sent the fluid out the vent line and relief valve	Date and Hour of Occurrence 10/23/15	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? Kelly Jones, Jamie Keyes	
By Whom? Kathy Purvis @ BBC International	Date and Hour 10/23/15 2:32 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.*		
Lost pressure on the belts of the supplied gas air compressor which sent fluid out the vent line and relief valve caused the spill of 30 bbls oil and 30 bbls produced water. A vacuum truck recovered 55 bbls of fluid.		
Describe Area Affected and Cleanup Action Taken.*		
The affected area is approximately 200' x 100' on location. Remediation will be completed in accordance with the 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: 	Approved by Environmental Specialist:	
Printed Name: Dusty Wilson	Approval Date:	Expiration Date:
Title: Environmental Advisor	Conditions of Approval:	
E-mail Address: : Dusty.Wilson@oxy.com	Attached <input type="checkbox"/>	
Date: 11/11/15	Phone:	

\* Attach Additional Sheets If Necessary

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
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District III  
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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	MLMU CTB	Facility Type	Battery

Surface Owner	Jimmy Doom	Mineral Owner		API No.	30-025-11017
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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
G	5	24S	37E					Lea

Latitude 32.24724 Longitude 103.18388

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	30 bbls oil, 30 bbls produced water	Volume Recovered	55 bbls of fluid
Source of Release	Lost pressure on the belts of the supplied gas air compressor sent the fluid out the vent line and relief valve	Date and Hour of Occurrence	10/23/15	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?	Kelly Jones, Jamie Keyes		
By Whom?	Kathy Purvis @ BBC International	Date and Hour	10/23/15 2:32 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.\*  
Lost pressure on the belts of the supplied gas air compressor which sent fluid out the vent line and relief valve caused the spill of 30 bbls oil and 30 bbls produced water. A vacuum truck recovered 55 bbls of fluid.

Describe Area Affected and Cleanup Action Taken.\*  
The affected area is approximately 200' x 100' on location. Remediation was completed in accordance with the remediation plan approved by Jamie Keyes of NMOCD via email on 01/29/2016.

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

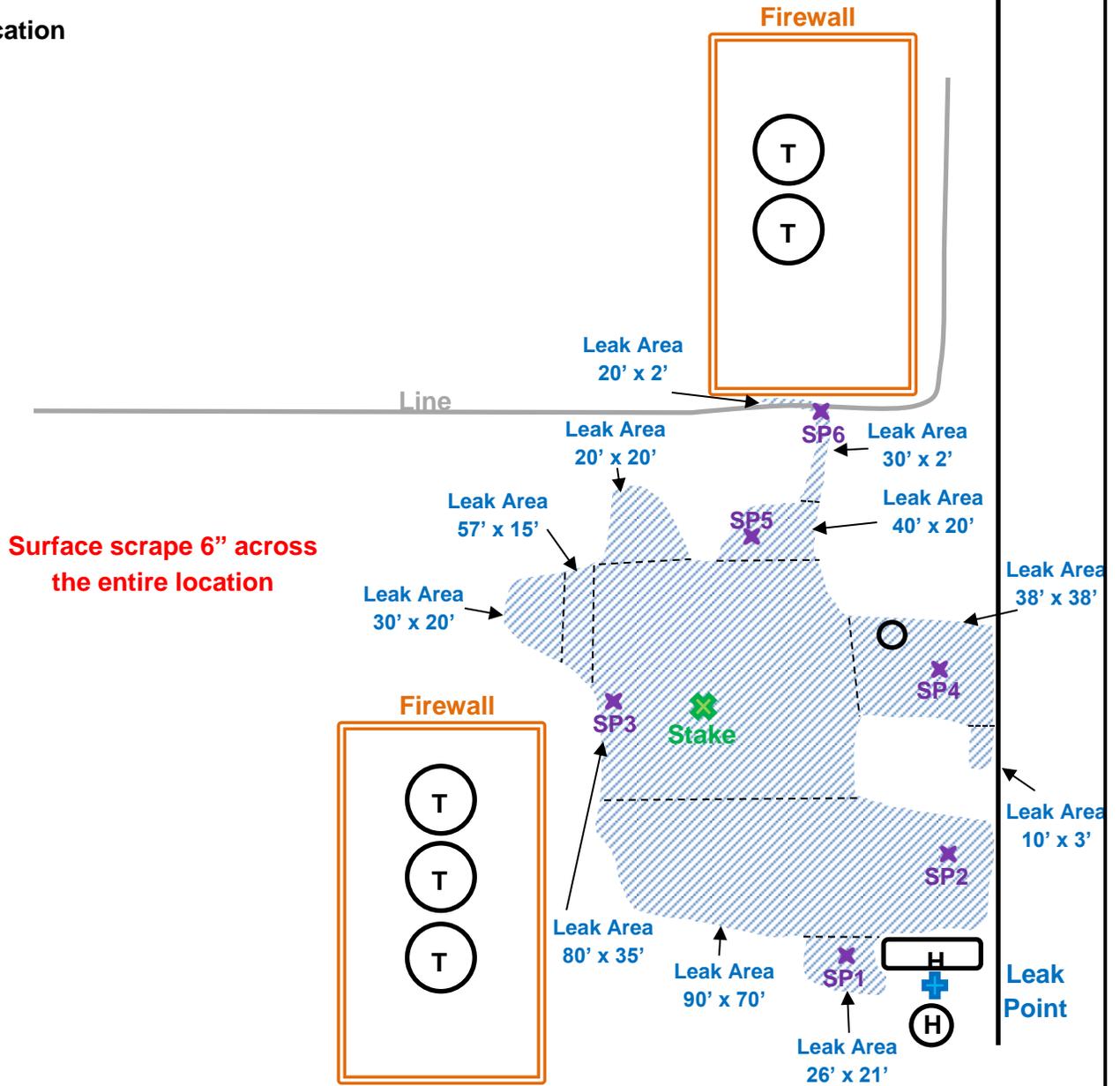
Signature:	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: Casey Summers	Approved by Environmental Specialist: <i>Jamie Keyes</i>		
Title: NM Environmental Advisor	Approval Date: 04/14/2016	Expiration Date: ///	
E-mail Address: : Casey_Summers@oxy.com	Conditions of Approval: ///		Attached <input type="checkbox"/> 1RP 3978
Date: 4-11-16	Phone: (575) 513-8289		

\* Attach Additional Sheets If Necessary



Oxy  
MLMU CTB

Location



Surface scrape 6'' across  
the entire location

BBC International, Inc.

Oxy  
MLMU CTB

Date: 11/12/15	DRWG by: J. Gilkey
NOT TO SCALE	File: Oxy 2015

U/L G, Section 5, T24S, R37E

Lea County, NM

N 32.24724° W 103.18388°

# Groundwater Plot

## Oxy MLMU CTB

County  
Lea

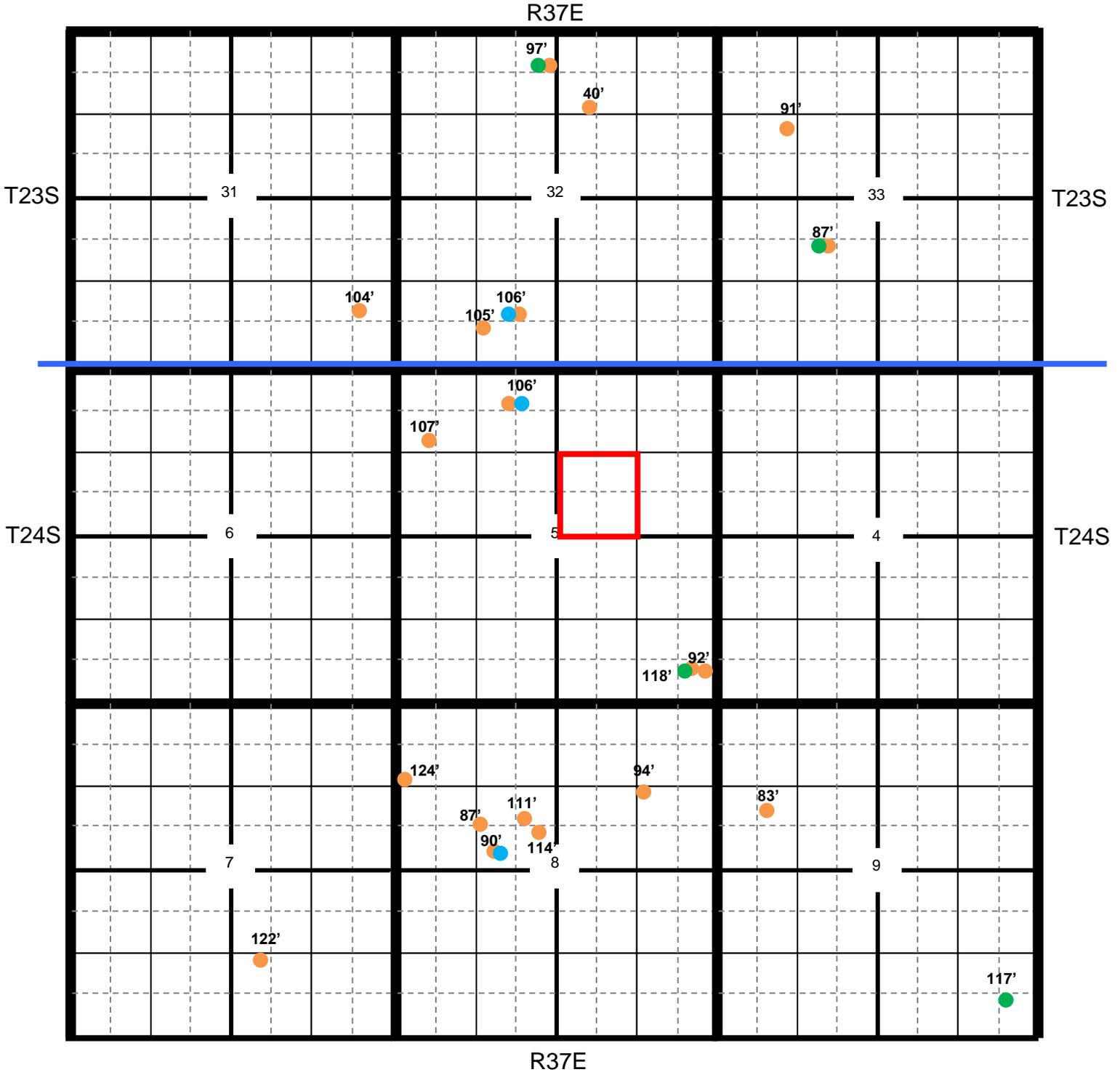
Unit Letter  
G

Section  
5

Township  
24S

Range  
37E

Trend Map 100'



★ Location

● OCD

● USGS

● SEO

● All Databases

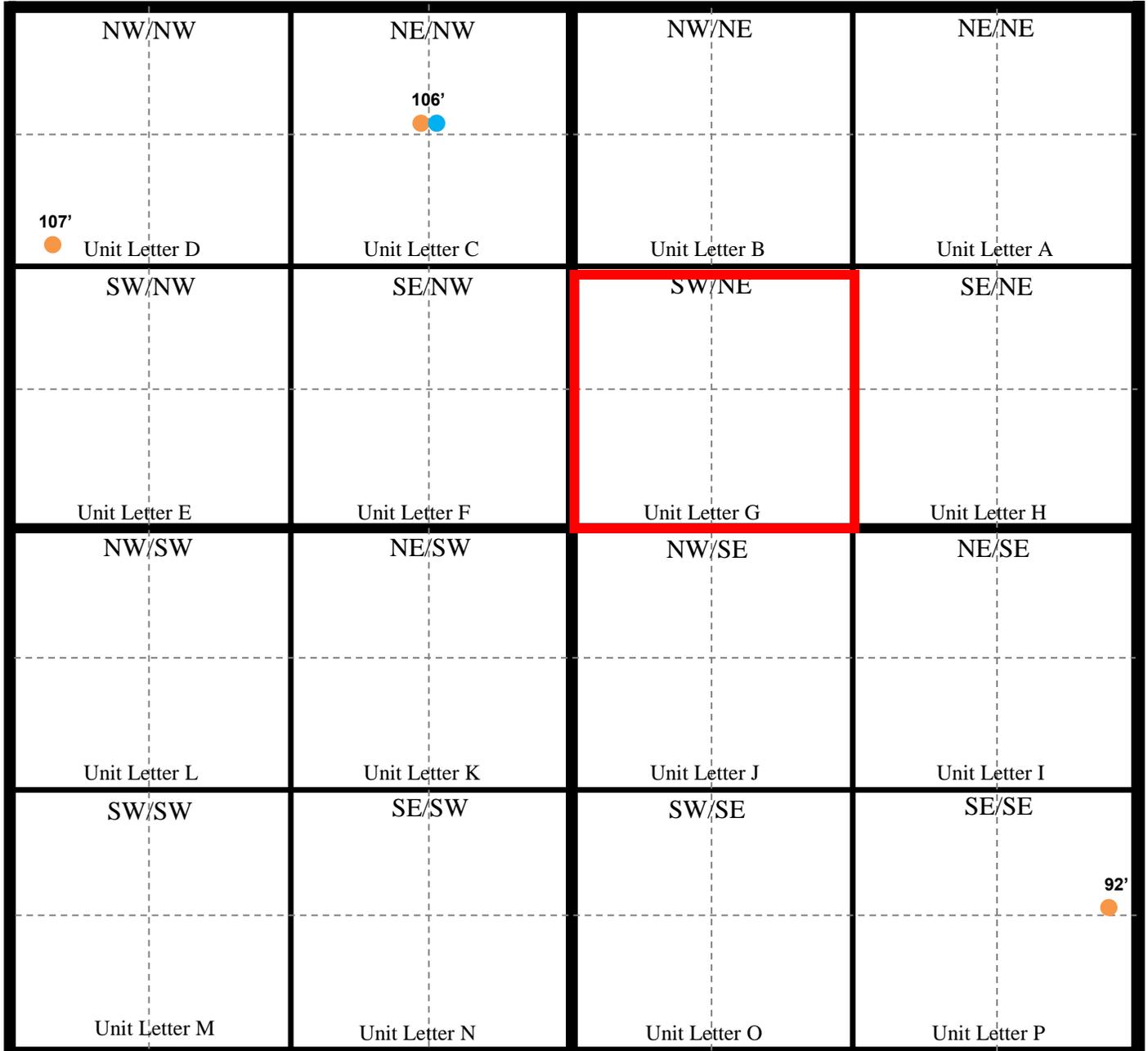
Oxy MLMU CTB

County: Lea      Unit Letter: G      Section: 5      Township: 24S      Range: 37E

Trend Map 100'

1

2

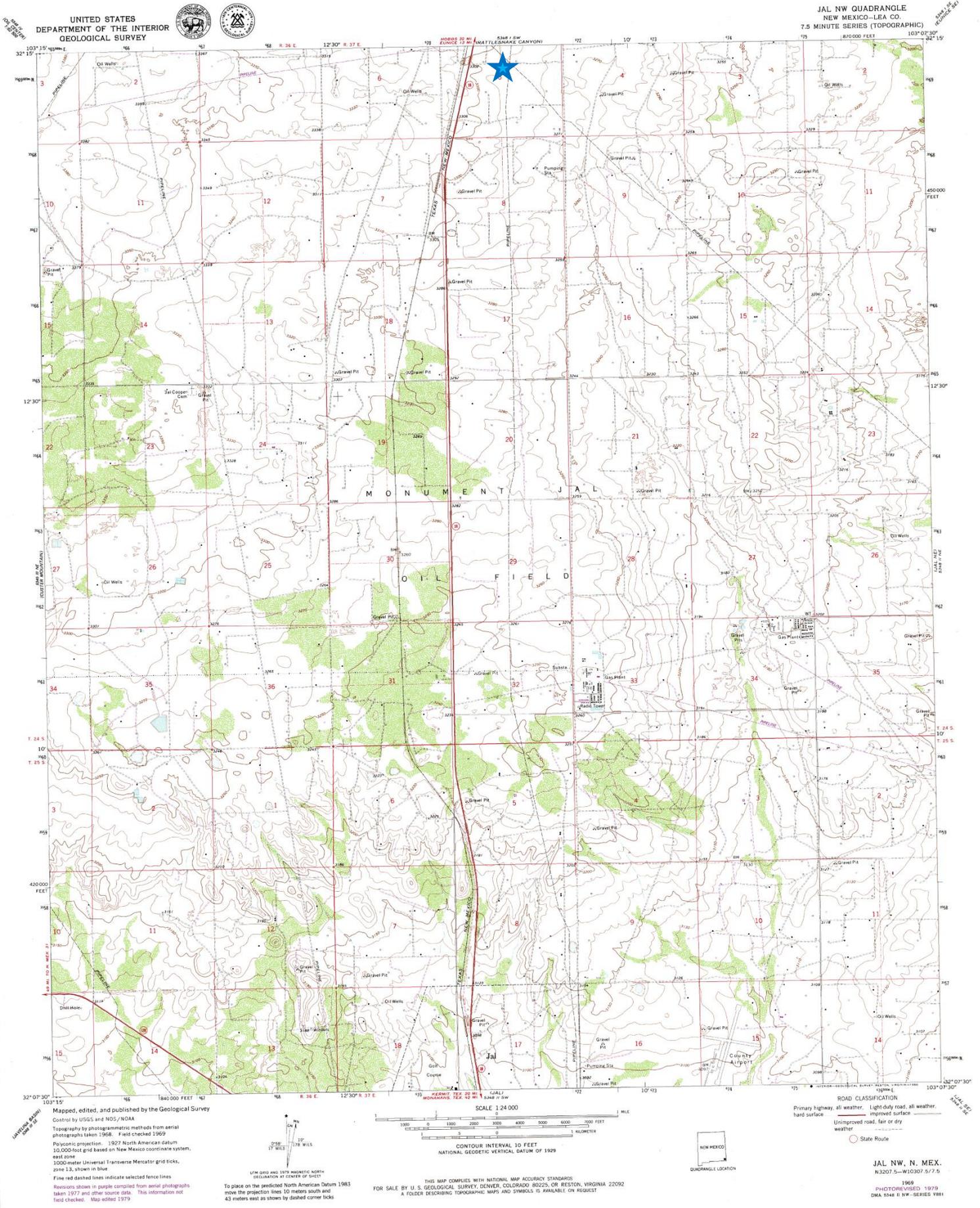


3

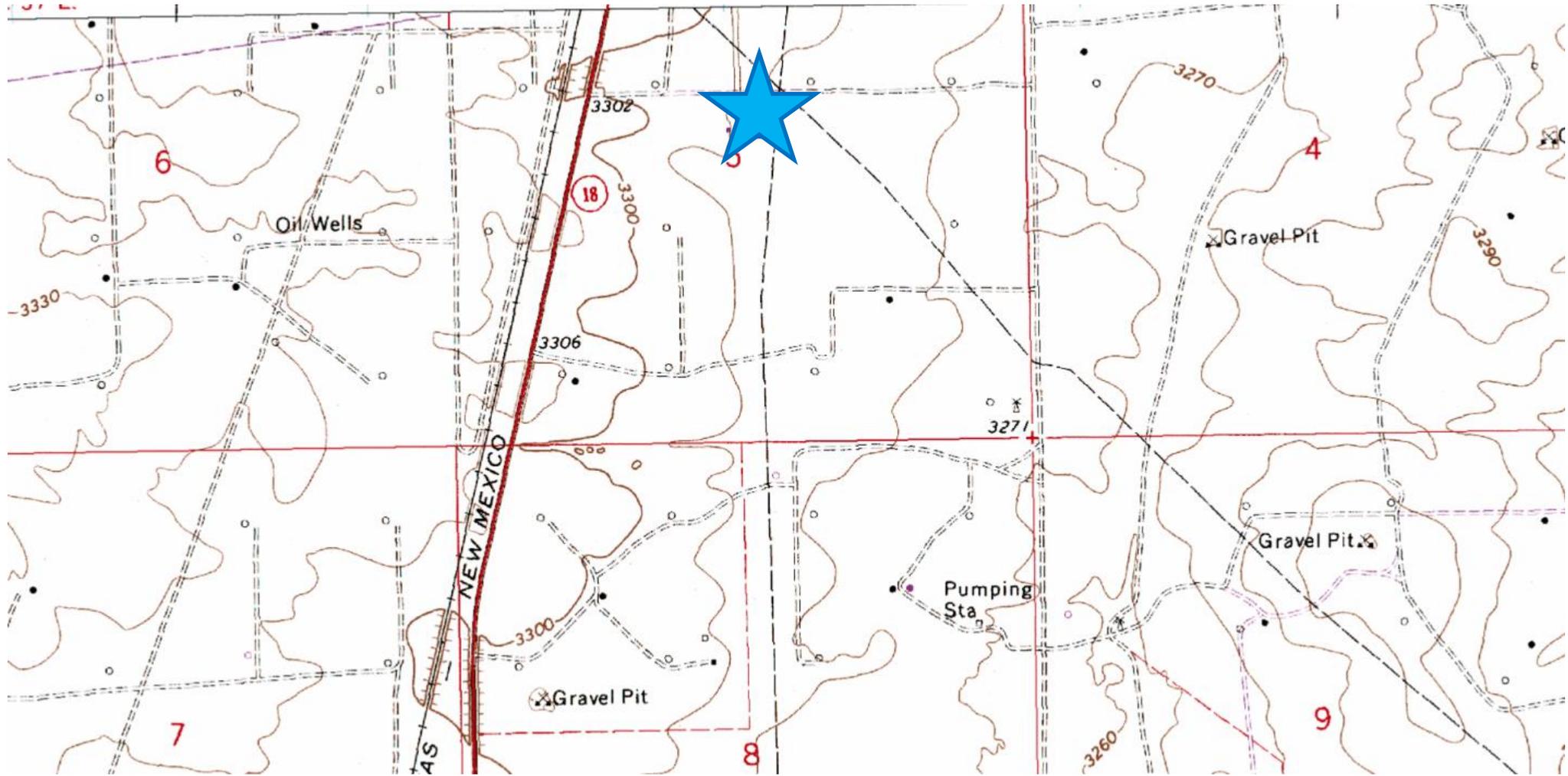
4

# Oxy

## MLMU CTB



Oxy  
MLMU CTB



**Laboratory Analytical Results Summary  
MLMU CTB**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	11/20/15	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0	32
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	11/23/15	11/23/15
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	11/20/15	11/20/15
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	11/23/15	11/23/15
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		19.2	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	11/20/15	11/20/15
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0



December 02, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU - CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/24/15 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP1 @ 1' (H503115-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140*

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	

*Surrogate: 1-Chlorooctane 104 % 35-147*
*Surrogate: 1-Chlorooctadecane 112 % 28-171*

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:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP1 @ 2' (H503115-02)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 99.4 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

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:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP1 @ 3' (H503115-03)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	

Surrogate: 1-Chlorooctane 95.5 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP1 @ 4' (H503115-04)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 113 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP2 @ 1' (H503115-05)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140*

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

*Surrogate: 1-Chlorooctane 97.0 % 35-147*
*Surrogate: 1-Chlorooctadecane 104 % 28-171*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP2 @ 2' (H503115-06)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 115 % 35-147

Surrogate: 1-Chlorooctadecane 122 % 28-171

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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:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP3 @ 1' (H503115-07)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
<b>DRO &gt;C10-C28</b>	<b>19.2</b>	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 91.3 % 35-147

Surrogate: 1-Chlorooctadecane 99.9 % 28-171

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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:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP3 @ 2' (H503115-08)**

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	12/01/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/01/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	6.11	102	6.00	2.96		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 96.4 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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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:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP3 @ 3' (H503115-09)**

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	12/01/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/01/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	6.11	102	6.00	2.96		
Total BTEX	<0.300	0.300	12/01/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140*

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

*Surrogate: 1-Chlorooctane 99.4 % 35-147*
*Surrogate: 1-Chlorooctadecane 110 % 28-171*

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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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**

**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: MLMU CTB  
 Project Location:  
 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						PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H503115	1.	G	1	/	/	/	/	/	/	/	11-20-15	9:45 am	/	/	/	
	SP1 @ 1'	G	1	/	/	/	/	/	/	/	11-20-15	10:10 am	/	/	/	
	SP1 @ 2'	G	1	/	/	/	/	/	/	/	11-20-15	10:33 am	/	/	/	
	SP1 @ 3'	G	1	/	/	/	/	/	/	/	11-20-15	10:56 am	/	/	/	
	SP1 @ 4'	G	1	/	/	/	/	/	/	/	11-20-15	12:55 pm	/	/	/	
	SP2 @ 1'	G	1	/	/	/	/	/	/	/	11-20-15	1:11 pm	/	/	/	
	SP2 @ 2'	G	1	/	/	/	/	/	/	/	11-20-15	1:31 pm	/	/	/	
	SP3 @ 1'	G	1	/	/	/	/	/	/	/	11-20-15	1:45 pm	/	/	/	
	SP3 @ 2'	G	1	/	/	/	/	/	/	/	11-20-15	2:15 pm	/	/	/	
	SP3 @ 3'	G	1	/	/	/	/	/	/	/						

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Relinquished By: *[Signature]* Date: 11-29-15  
 Received By: *[Signature]* Date: 11-29-15  
 Delivered By: (Circle One) *[Signature]*  
 Sampler - UPS - Bus - Other: -8.8c  
 Sample Condition: Cool  Intact   
 Checked By: *[Signature]*  
 Phone Result:  Yes  No Add'l Phone #:   
 Fax Result:  Yes  No Add'l Fax #:   
 REMARKS: #54



December 02, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU - CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/24/15 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP4 @ 1' (H503114-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

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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:	11/24/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP4 @ 2' (H503114-02)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/24/2015	Sampling Date:	11/23/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP5 @ 1' (H503114-03)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 97.6 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/24/2015	Sampling Date:	11/23/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP5 @ 2' (H503114-04)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 99.4 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

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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: 11/24/2015  
 Reported: 12/02/2015  
 Project Name: MLMU - CTB  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 11/23/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Judy Garcia

**Sample ID: SP6 @ 1' (H503114-05)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 95.2 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

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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:	11/24/2015	Sampling Date:	11/23/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	MLMU - CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP6 @ 2' (H503114-06)**

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	12/01/2015	ND	1.93	96.6	2.00	0.592		
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359		
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500		
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375		
Total BTEX	<0.300	0.300	12/01/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	12/01/2015	ND	416	104	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	11/30/2015	ND	189	94.7	200	0.468		
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34		

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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



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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**

**BILL TO**

**ANALYSIS REQUEST**

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: MLMU CTB State: Zip:  
 Project Location: Phone #:  
 Sampler Name: Jeff Ornelas Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H50314		G	1	/	/	/	/	/	/	/	11-20-15	3:05 pm	✓	✓	✓	
		G	1	/	/	/	/	/	/	/	11-20-15	3:10 pm	✓	✓	✓	
		G	1	/	/	/	/	/	/	/	11-23-15	9:22 am	✓	✓	✓	
		G	1	/	/	/	/	/	/	/	11-23-15	9:51 am	✓	✓	✓	
		G	1	/	/	/	/	/	/	/	11-23-15	10:47 am	✓	✓	✓	
		G	1	/	/	/	/	/	/	/	11-23-15	11:30 am	✓	✓	✓	

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Relinquished By: *Jeff Ornelas* Date: 11-24-15 Received By: *Carla's Korman* Date: 11-24-15  
 Time: 2:41pm  
 Delivered By: (Circle One) *Carla's Korman* Sample Condition:  Intact  Broken  
 Sampler - UPS - Bus - Other: *-880*  Yes  No  
 CHECKED BY: *Carla's Korman* (Initials)  
 REMARKS:

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

## Kathy Purvis

---

**From:** Jones, Kellie, EMNRD <Kellie.Jones@state.nm.us>  
**Sent:** Friday, January 29, 2016 2:04 PM  
**To:** Cliff Brunson; Keyes, Jamie, EMNRD  
**Cc:** Casey Summers; Dusty Wilson; Jennifer\_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY MLMU CTB - Remediation Plan

Cliff,

OCD approves the work plan.

Thanks,

Kellie Jones  
Environmental Specialist, District 1  
Oil Conservation Division, EMNRD  
575-393-6161 ext. 111  
575-370-3180 (emergency-cell)  
E-Mail: [kellie.jones@state.nm.us](mailto:kellie.jones@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.

---

**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Wednesday, January 27, 2016 6:30 PM  
**To:** Jones, Kellie, EMNRD; Keyes, Jamie, EMNRD  
**Cc:** Casey Summers; Dusty Wilson; [Jennifer\\_Duarte@oxy.com](mailto:Jennifer_Duarte@oxy.com); Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY MLMU CTB - Remediation Plan

Kellie,

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

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA

Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*

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No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2015.0.6176 / Virus Database: 4522/11511 - Release Date: 01/29/16



















