

Closure Report

Site Description

Site Name:	CE Lamunyon #1 CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L A, Section 28, T23S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.27974° W 103.16290°

Release Data

Date of Release:	03/25/2015
Type of Release:	Oil and produced water
Source of Release:	Stress/fatigue split the fire tube gasket on a test separator
Volume of Release:	25 bbls oil, 5 bbls produced water
Volume Recovered:	8 bbls

Remediation Specifications

Remediation Parameters:	Excavate the entire leak site to a depth of 2 feet. Backfill the site clean soil.	
Remediation Activities:	October 2015	
Plan Sent to OCD:	07/27/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	07/28/2015	Email from Jamie Keyes to Cliff Brunson
Plan Sent to BLM:	08/10/2015	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	08/20/2015	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 05/14/2015
Final C-141	Signed 08/31/2016
Site Diagram	April 2015
Groundwater Plot	75'-100'
TOPO Maps	April 2015
Lab Summary	05/05/2015
Lab Analysis	05/05/2015
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.

08/31/2016

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	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	CE Lamunyon #1 CTB	Facility Type	Battery
Surface Owner	State/Oxy	Mineral Owner	API No. Lease# NM LC-03018

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	28	23S	37E					Lea County, NM

Latitude N 32.27974° Longitude W 103.16290°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	25 bbls oil, 5 bbls produced water	Volume Recovered	8 bbls
Source of Release	Stress/fatigue split the fire tube gasket on the south middle test separator	Date and Hour of Occurrence	03/25/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Tomas Oberding, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	03/25/2015 @ 4:10 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.*

Stress/ fatigue caused a fire tube gasket on the south middle test separator to leak 25 bbls of oil and 5 bbls of produced water onto the ground. The gasket was replaced and 8 total bbls of fluid were recovered via vacuum truck.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 70' x 80' on location inside the facility. 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.

Signature: Chris Jones <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=ckjones888@yahoo.com, c=US Date: 2015.04.21 11:27:12 -05'00'</small>	OIL CONSERVATION DIVISION		
Printed Name: Christopher Jones	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher_Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date:	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
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State of New Mexico
Energy Minerals and Natural Resources
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1220 South St. Francis Dr.
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Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	CE Lamunyon #1 CTB	Facility Type	Battery
Surface Owner	State/Oxy	Mineral Owner	API No. Lease# NM LC-03018

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	28	23S	37E					Lea County, NM

Latitude N 32.27974° Longitude W 103.16290°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	25 bbls oil, 5 bbls produced water	Volume Recovered	8 bbls
Source of Release	Stress/fatigue split the fire tube gasket on the south middle test separator	Date and Hour of Occurrence	03/25/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Tomas Oberding, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	03/25/2015 @ 4:10 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.*

Stress/ fatigue caused a fire tube gasket on the south middle test separator to leak 25 bbls of oil and 5 bbls of produced water onto the ground. The gasket was replaced and 8 total bbls of fluid were recovered via vacuum truck.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 70' x 80' on location inside the facility. Remediation was completed in accordance with the remediation plan approved by Jamie Keyes of NMOCD via email on 07/28/2015 and approved by Shelly Tucker of the BLM via email on 08/20/2015.

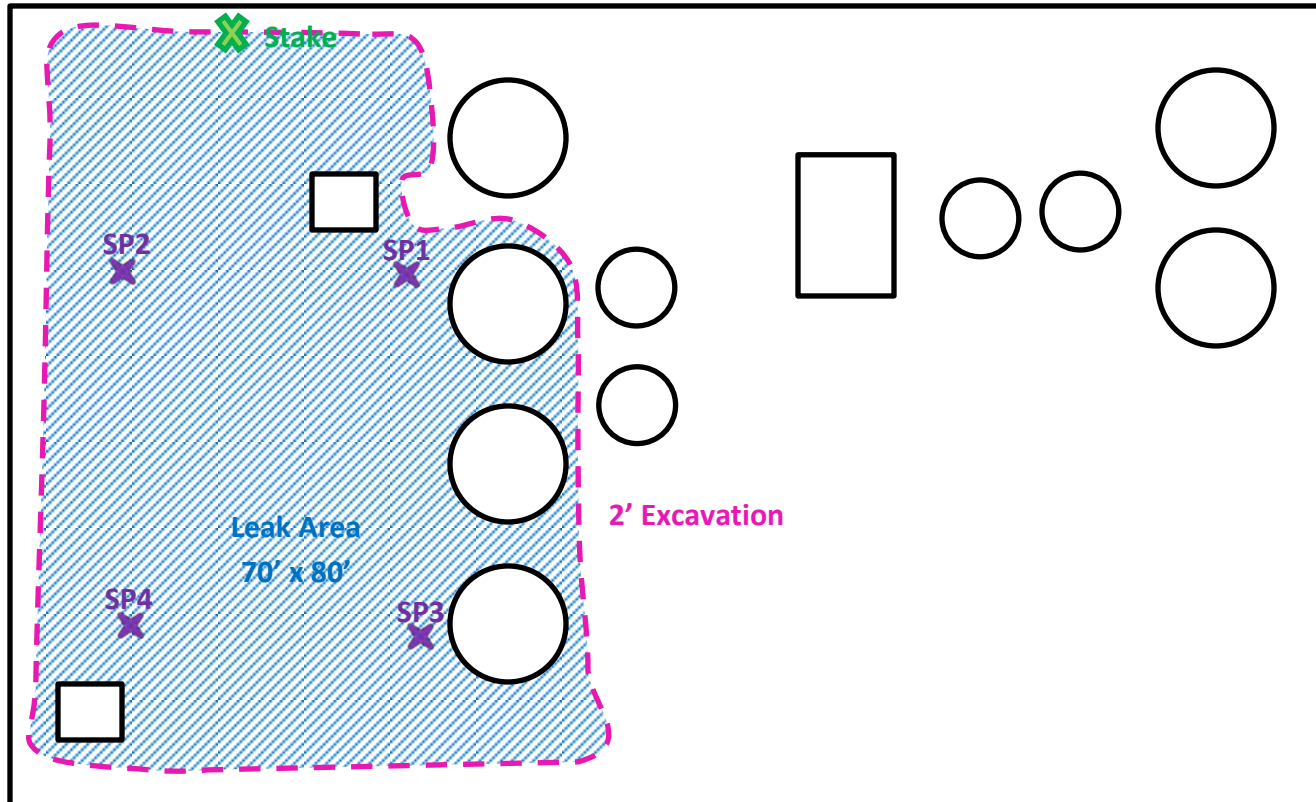
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8-31-16 Phone: (575) 513-8289			

* Attach Additional Sheets If Necessary



Oxy
CE Lamunyon #1 CTB



U/L A, Section 28, T23S, R37E
Lea County, NM
N 32.27974° W 103.16290°
Lease # NM LC-03018

BBC International, Inc.	
Oxy CE Lamunyon #1 CTB	
Date: 04/10/15	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2015



Groundwater Plot

Oxy CE Lamunyon #1 CTB

County
Lea

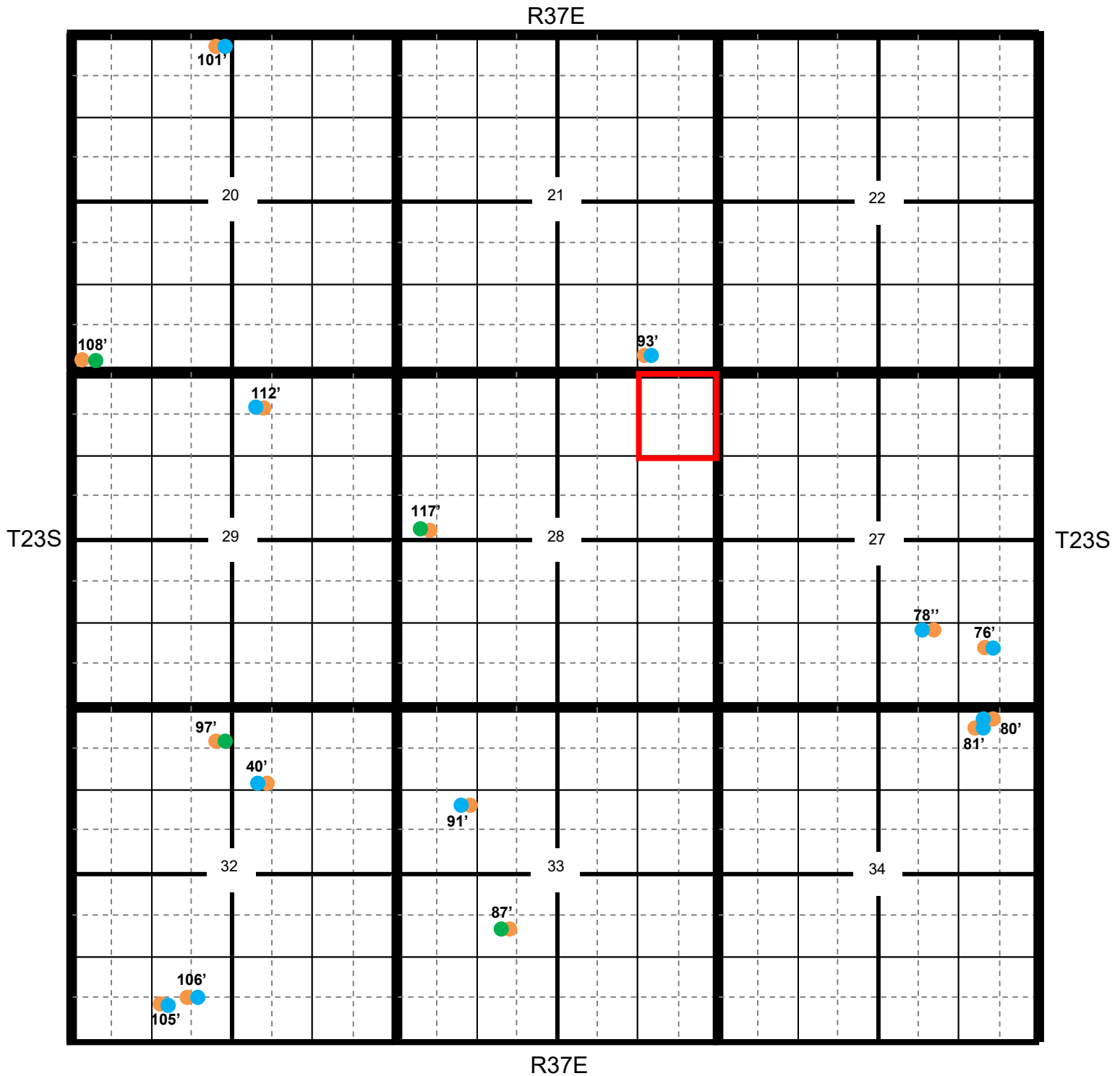
Unit Letter
A

Section
28

Township
23S

Range
37E

Trend Map 75'-100'



Location

OCD

USGS

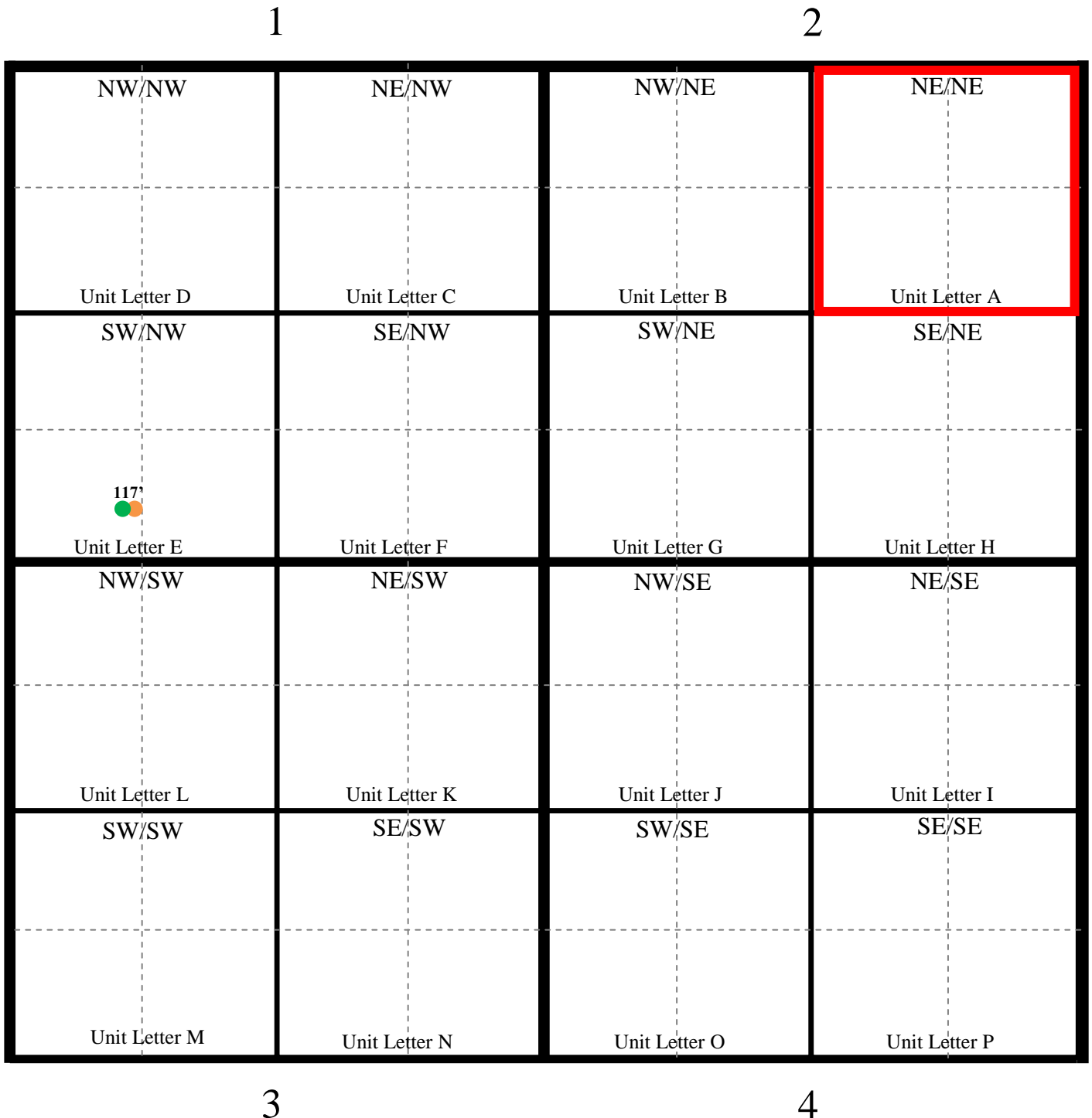
SEO

All Databases

Oxy CE Lamunyon #1 CTB

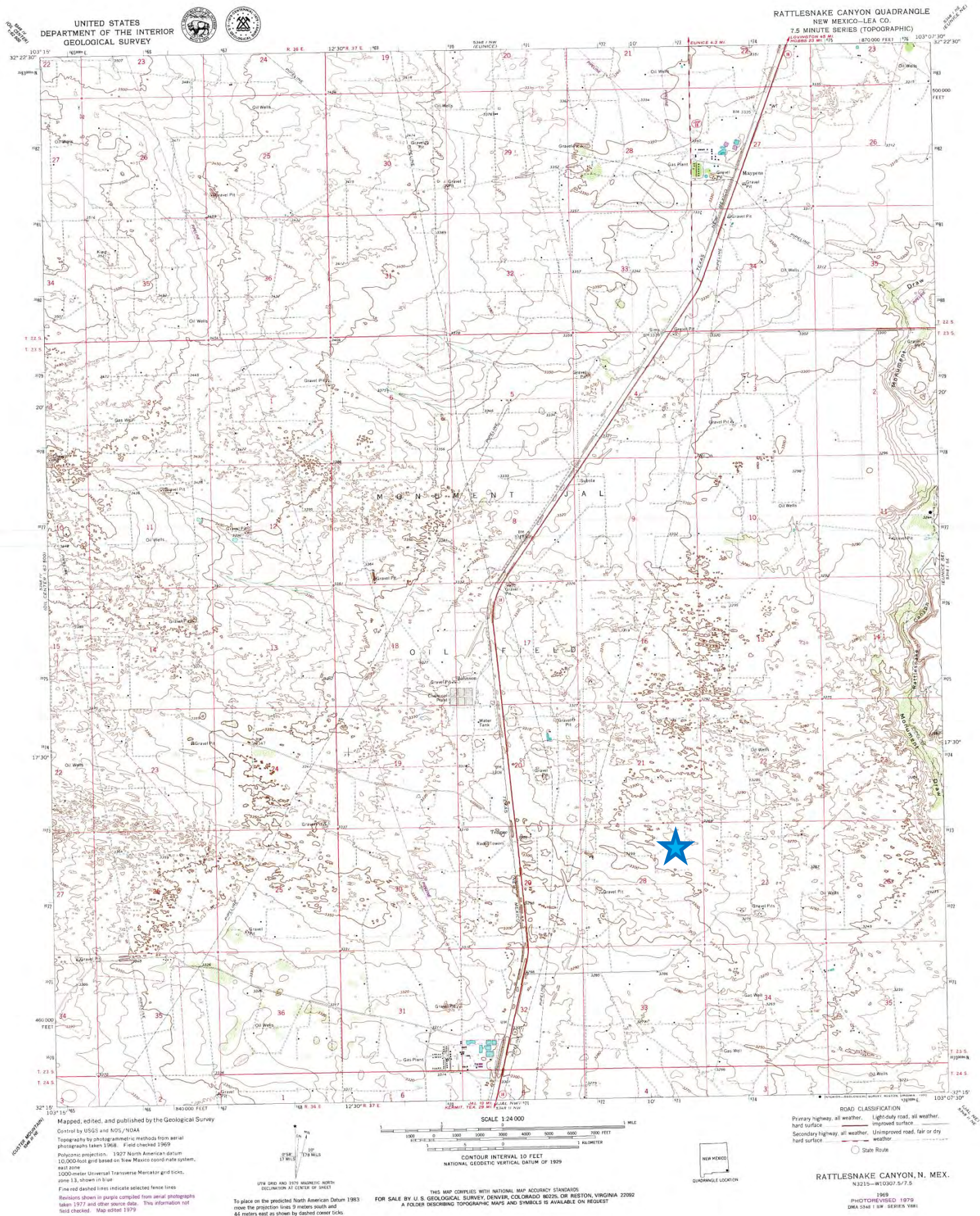
County	Unit Letter	Section	Township	Range
Lea	A	28	23S	37E

Trend Map 75'-100'



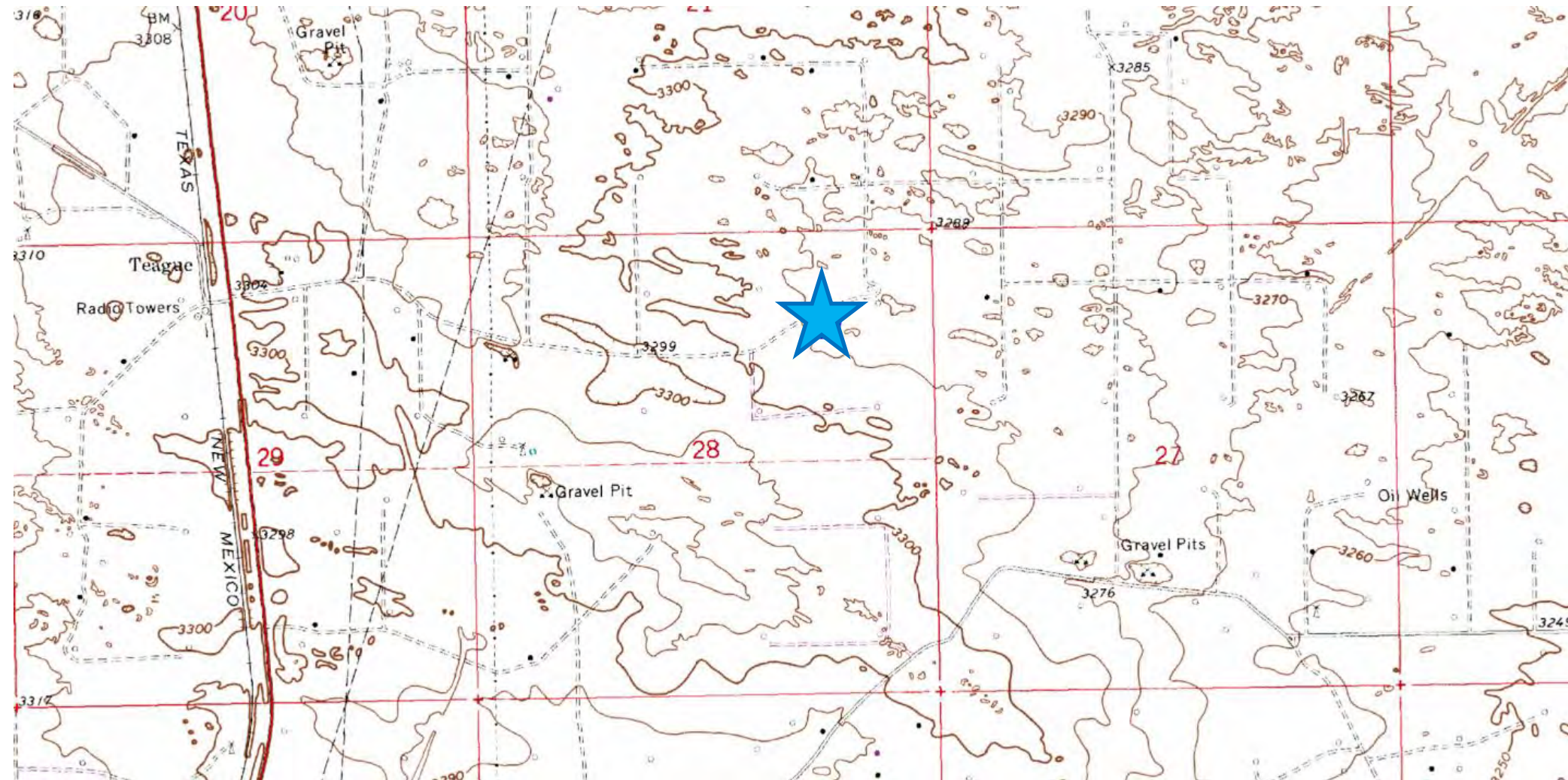
Oxy

CE Lamunyon #1 CTB



Oxy

CE Lamunyon #41 CTB



Laboratory Analytical Results Summary
CE Lamunyon #1 CTB

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	5/5/15	5/5/15	5/5/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<100	<50.0	<50.0
DRO	TPH 8015M		898	68.3	203

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	5/5/15	5/5/15	5/5/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.194	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.87	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.11	<0.150	<0.150
Total BTEX	BTEX 8021B		5.17	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<100	<50.0	<100
DRO	TPH 8015M		4710	243	203

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	5/5/15	5/5/15	5/5/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.113	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.334	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.585	<0.150	<0.150
Total BTEX	BTEX 8021B		1.03	<0.300	<0.300
Chloride	SM4500Cl-B		96	<16.0	<16.0
GRO	TPH 8015M		<200	<50.0	<10.0
DRO	TPH 8015M		6150	227	<10.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	5/5/15	5/5/15	5/5/15	5/5/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.191	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.57	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.97	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		5.73	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		223	<50.0	<100	<10.0
DRO	TPH 8015M		15100	331	917	<10.0

May 12, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CE LAMUNYON CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/06/15 9:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



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: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H501169-01)

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTX	<0.300	0.300	05/08/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	898	100	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 98.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 167 % 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: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H501169-02)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTEx	<0.300	0.300	05/08/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	68.3	50.0	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 88.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.6 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H501169-03)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61		
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22		
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86		
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27		
Total BTEx	<0.300	0.300	05/08/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	203	50.0	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 88.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 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: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H501169-04)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	0.194	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	1.87	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	3.11	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTEX	5.17	0.300	05/08/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	4710	100	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 91.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 294 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Cliff Brunson
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Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H501169-05)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTEx	<0.300	0.300	05/08/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	243	50.0	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 95.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.3 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 4' (H501169-06)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61		
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22		
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86		
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27		
Total BTEX	<0.300	0.300	05/08/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	203	100	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 91.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H501169-07)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	0.113	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	0.334	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	0.585	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTX	1.03	0.300	05/08/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/08/2015	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: CK						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	6150	200	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 81.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 309 % 52.1-176

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Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3' (H501169-08)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTEx	<0.300	0.300	05/08/2015	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	227	50.0	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 93.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 4' (H501169-09)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61		
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22		
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86		
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27		
Total BTEX	<0.300	0.300	05/08/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	<10.0	10.0	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 97.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.7 % 52.1-176

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Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 1' (H501169-10)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	0.191	0.100	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	1.57	0.100	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	3.97	0.300	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTX	5.73	0.600	05/08/2015	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	223	100	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	15100	100	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 139 % 47.2-157

Surrogate: 1-Chlorooctadecane 321 % 52.1-176

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Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 3' (H501169-11)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTEx	<0.300	0.300	05/08/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	331	50.0	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 93.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 117 % 52.1-176

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Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 4' (H501169-12)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61		
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22		
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86		
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27		
Total BTEX	<0.300	0.300	05/08/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	917	100	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 87.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 157 % 52.1-176

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Received: 05/06/2015
Reported: 05/12/2015
Project Name: CE LAMUNYON CTB
Project Number: NONE GIVEN
Project Location: JAL

Sampling Date: 05/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 5' (H501169-13)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTEx	<0.300	0.300	05/08/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2015	ND	199	99.7	200	0.783	
DRO >C10-C28	<10.0	10.0	05/07/2015	ND	205	103	200	2.40	

Surrogate: 1-Chlorooctane 97.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.9 % 52.1-176

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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

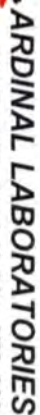
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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				P.O. #:				BILL TO				ANALYSIS REQUEST			
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 #:				City:				State:				Zip:			
Project Name: CE Lemmon #1 CTB				Phone #:											
Project Location: 121 Highway				Fax #:											
Sampler Name: Jeff Oberley															
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING									
H50116A				GROUNDWATER											
				WASTEWATER											
				SOIL											
				OIL											
				SLUDGE											
				OTHER :											
				ACID/BASE:											
				ICE / COOL											
				OTHER :											
				DATE	TIME										
	Sp1e1	X	5.5	95/											
	e2	X		10/15											
	e3	X		10/50											
	Sp2e1	X		11/33											
	e3	X		10/0											
	e4	X		10/9											
	Sp3e1	X		132											
	e3	X		219											
	e4	X		233											
	Sp4e1	X		250											
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Relinquished By: [Signature]				Date: 5/16/15				Received By: [Signature]				Time: 4:40			
Relinquished By: [Signature]				Date:				Received By:				Time:			
Delivered By: (Circle One)				Sample Condition				CHECKED BY:							
Sampler - UPS - Bus - Other:				Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				(Initials)							
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
				No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>											
				[Signature]											
REMARKS:															
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:											
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:											



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CHAIN-OF-CUSTODY AND 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 Name: CE Lamunyon #1 CTB Project Location: V21 Sampler Name: Jeff Ornelas <small>FOR LAB USE ONLY</small>				P.O. #: Company: Attn: Address: City: State: Zip:			
Lab I.D. Sample I.D. <small>(G) RAB OR (C) OMP.</small> <small># CONTAINERS</small> <small>GROUNDWATER</small> <small>WASTEWATER</small> <small>SOIL</small> <small>OIL</small> <small>SLUDGE</small> <small>OTHER:</small> <small>ACID/BASE:</small> <small>ICE / COOL</small> <small>OTHER:</small>				MATRIX PRESERV. SAMPLING			
Relinquished By: Received By: Date: Time:				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> CHECKED BY:			
REMARKS:				ANALYSIS REQUEST			

Kathy Purvis

From: Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>
Sent: Tuesday, July 28, 2015 11:12 AM
To: Cliff Brunson; Jones, Kellie, EMNRD
Cc: Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY CE Lamunyon #1 CTB - Remediation Plan

The remediation plan has been approved as is. Please keep us informed.

Thank you,

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Monday, July 27, 2015 4:29 PM
To: Jones, Kellie, EMNRD
Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY CE Lamunyon #1 CTB - Remediation Plan

Kellie,

This e-mail is to confirm our discussion on Friday, July 17, 2015 concerning the remediation plan for Oxy CE Lamunyon #1 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
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Kathy Purvis

From: Tucker, Shelly <stucker@blm.gov>
Sent: Thursday, August 20, 2015 11:41 AM
To: Cliff Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY CE Lumunyon #1 CTB - Remediation Plan

Morning,

The BLM approves/accepts your work plan.

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

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

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
Bureau of Land Management

620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular

stucker@blm.gov



On Mon, Aug 10, 2015 at 6:46 PM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Shelly,

This e-mail is to confirm our discussion on Wednesday, July 29, 2015 concerning the remediation plan for the Oxy CE Lamunyon #1 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:

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