

Closure Report

Site Description

Site Name:	MLMU #254
Company:	Oxy Permian Ltd.
Legal Description:	U/L I, Section 30, T23S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.27443° W 103.19525°

Release Data

Date of Release:	Unknown
Type of Release:	Oil and produced water
Source of Release:	Flow line
Volume of Release:	Unknown
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate to a depth of 4 feet across the entire leak site. Place a liner in the excavated area. Backfill the site with clean soil.	
Remediation Activities:	10/09/2014 to 10/27/2014	
Plan Sent to OCD:	10/14/2014	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	10/15/2014	Email from Tomas Oberding 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 07/31/2014
Final C-141	Signed 11/03/2014
Site Diagram	July 2014
Groundwater Plot	100'-125'
TOPO Maps	July 2014
Lab Summary	08/21/2014
Lab Analysis	08/21/2014
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.

11/10/2014

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	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	MLMU #254	Facility Type	Well

Surface Owner	Mineral Owner	API No.	30-025-29657
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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
I	30	23S	37E					Lea County, NM

Latitude N 32.27443° Longitude W 103.19525°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	Unknown	Volume Recovered	0 bbls
Source of Release	Flow line	Date and Hour of Occurrence	Unknown	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?	Tomas Oberding, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	07/29/2014 @ 11:33 am		
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.*

An unknown event from a flow line caused oil and produced water to leak onto the ground. No fluids were recovered and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 40' x 46' in the pasture. 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:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>7-31-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

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Form C-141
Revised August 8, 2011

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accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	MLMU #254	Facility Type	Well
Surface Owner	Mineral Owner	API No. 30-025-29657	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	30	23S	37E					Lea County, NM

Latitude N 32.27443° Longitude W 103.19525°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	Unknown	Volume Recovered	0 bbls
Source of Release	Flow line	Date and Hour of Occurrence	Unknown	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?	Tomas Oberding, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	07/29/2014 @ 11:33 am		
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The affected area is approximately 40' x 46' in the pasture. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 10/15/2014.

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Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 11-3-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary



Oxy
MLMU #254

Not a
road



MLMU
#29

U/L I, Section 30, T23S, R37E
Lea County, NM
N 32.27443° W 103.19525°

BBC International, Inc.

Oxy

MLMU #254

Date: 07/22/14

DRWG by: K. Purvis

NOT TO SCALE

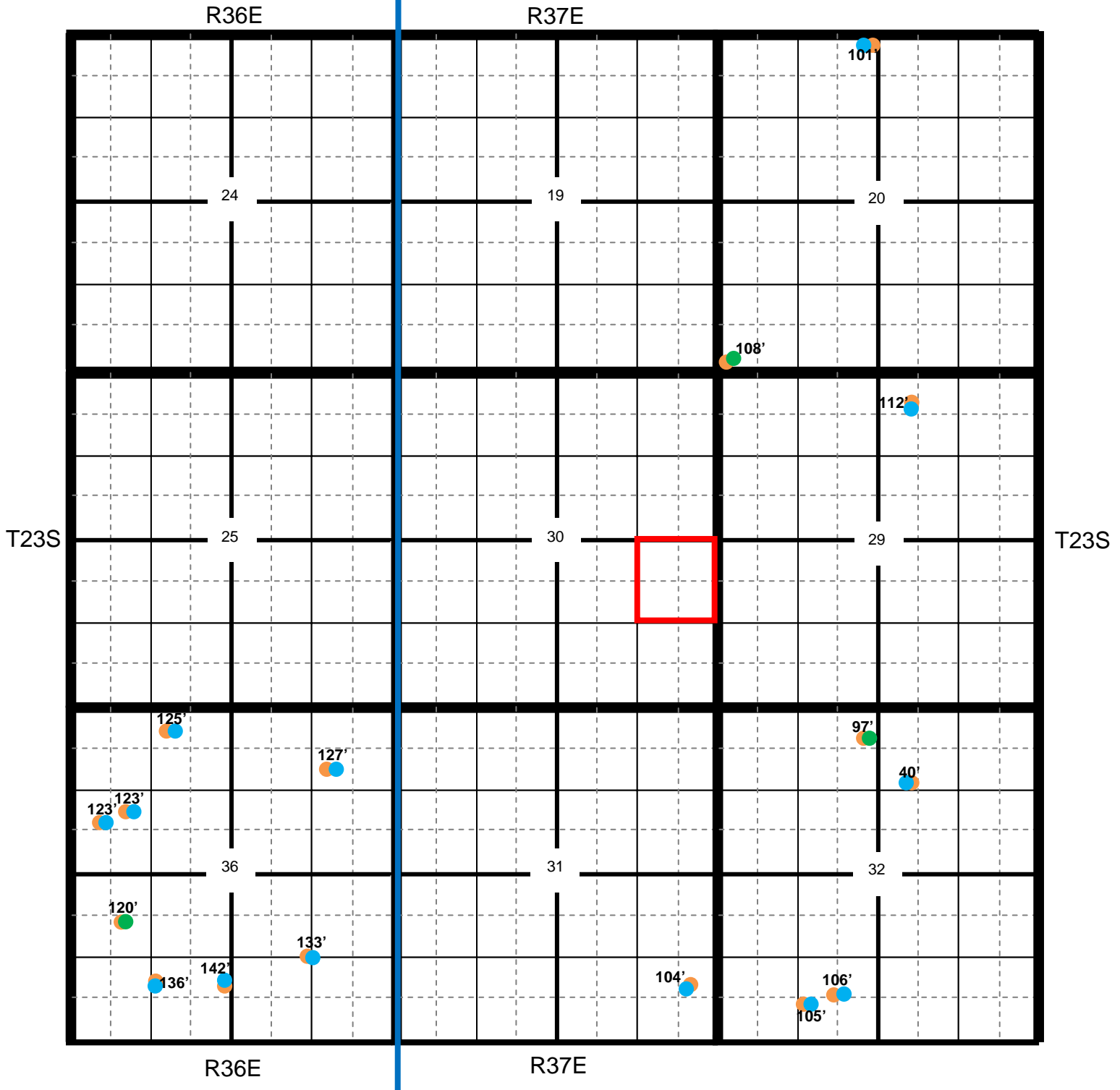
File: Oxy 2014

Groundwater Plot

Oxy MLMU #254

County	Unit Letter	Section	Township	Range
Lea	I	30	23S	37E

Trend Map 100'-125'



Section Quarters

Oxy MLMU #254

County Lea Unit Letter I Section 30 Township 23S Range 37E

Trend Map 100'-125'

1

2

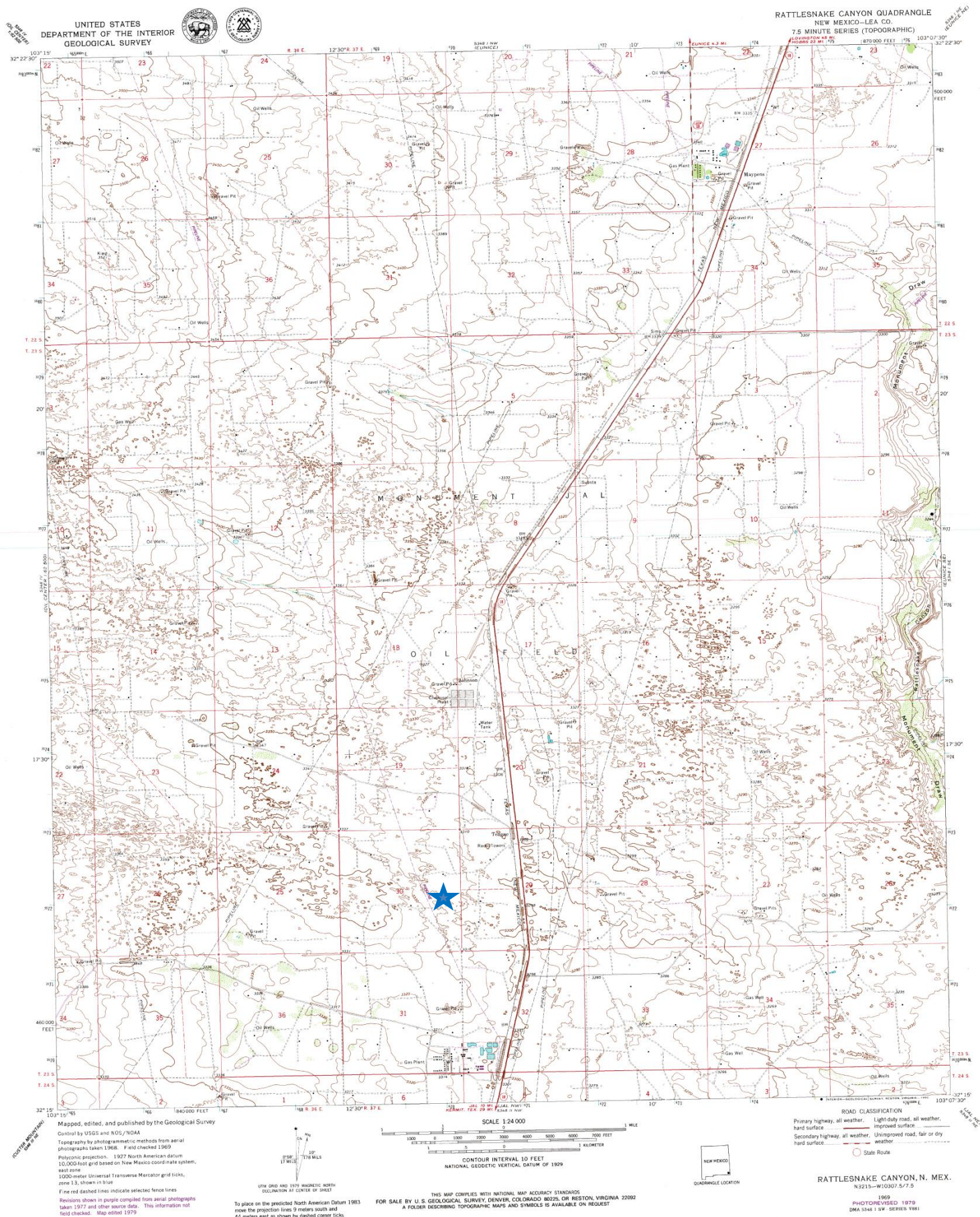
NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

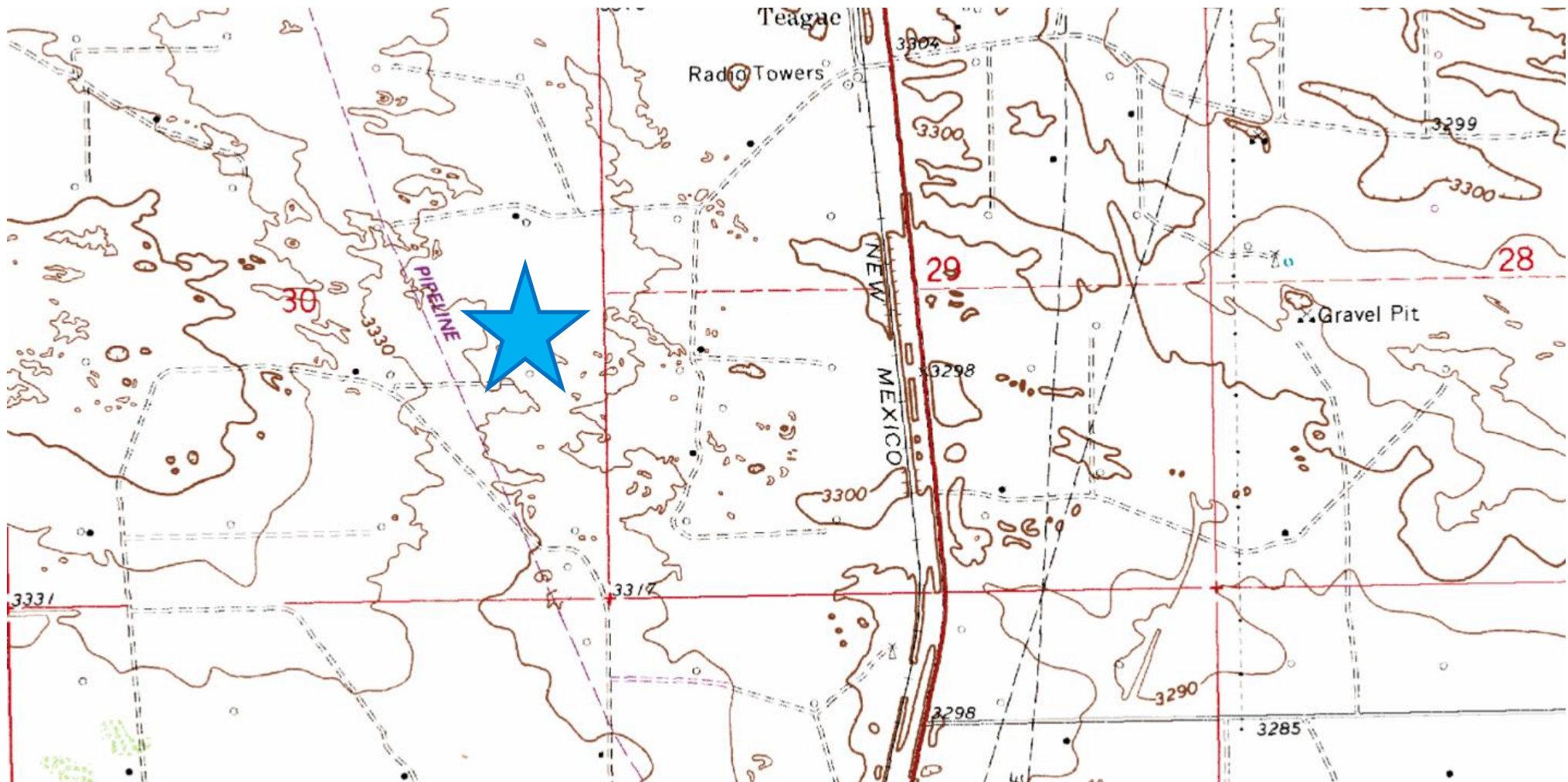
Oxy

MLMU #254



Oxy

MLMU #254



Laboratory Analytical Results Summary
MLMU #254

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 6'	SP1 @ 9'	SP1 @ 12'	SP1 @ 15'	SP1 @ 18'	SP1 @ 19'
Analyte	Method	Date	8/21/14	8/21/14	8/21/14	8/21/14	8/21/14	8/21/14	8/21/14	8/21/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.100	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.500	0.103	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.500	0.227	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.73	0.687	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<3.00	1.02	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	80	560	1170	928	1020	416	224
GRO	TPH 8015M		959	111	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		17500	1560	211	13.9	<10.0	13.1	16.1	11.1

August 28, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #254

Enclosed are the results of analyses for samples received by the laboratory on 08/22/14 10:15.

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: 08/22/2014
Reported: 08/28/2014
Project Name: MLMU #254
Project Number: NONE GIVEN
Project Location: OXY - JAL, NM

Sampling Date: 08/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H402583-01)

BTEx 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/27/2014	ND	1.91	95.4	2.00	1.71	
Toluene*	<0.500	0.500	08/27/2014	ND	1.76	88.0	2.00	2.09	
Ethylbenzene*	<0.500	0.500	08/27/2014	ND	1.97	98.7	2.00	2.45	
Total Xylenes*	1.73	1.50	08/27/2014	ND	5.88	98.0	6.00	2.39	
Total BTEX	<3.00	3.00	08/27/2014	ND					

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

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	08/26/2014	ND	400	100	400	3.92		

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	959	200	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	17500	200	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 430 % 65.2-140

Surrogate: 1-Chlorooctadecane 397 % 63.6-154

Cardinal Laboratories

*=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: 08/22/2014
 Reported: 08/28/2014
 Project Name: MLMU #254
 Project Number: NONE GIVEN
 Project Location: OXY - JAL, NM

 Sampling Date: 08/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H402583-02)

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	08/27/2014	ND	1.91	95.4	2.00	1.71	
Toluene*	0.103	0.100	08/27/2014	ND	1.76	88.0	2.00	2.09	
Ethylbenzene*	0.227	0.100	08/27/2014	ND	1.97	98.7	2.00	2.45	
Total Xylenes*	0.687	0.300	08/27/2014	ND	5.88	98.0	6.00	2.39	
Total BTX	1.02	0.600	08/27/2014	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/26/2014	ND	400	100	400	3.92	

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	111	50.0	08/26/2014	ND	200	99.9	200	1.16		
DRO >C10-C28	1560	50.0	08/26/2014	ND	205	103	200	0.134		

Surrogate: 1-Chlorooctane 153 % 65.2-140

Surrogate: 1-Chlorooctadecane 177 % 63.6-154

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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: 08/22/2014
Reported: 08/28/2014
Project Name: MLMU #254
Project Number: NONE GIVEN
Project Location: OXY - JAL, NM

Sampling Date: 08/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 6' (H402583-03)

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	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTX	<0.300	0.300	08/27/2014	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	211	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 126 % 65.2-140

Surrogate: 1-Chlorooctadecane 142 % 63.6-154

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

Received: 08/22/2014
Reported: 08/28/2014
Project Name: MLMU #254
Project Number: NONE GIVEN
Project Location: OXY - JAL, NM

Sampling Date: 08/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 9' (H402583-04)

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	08/27/2014	ND	1.89	94.6	2.00	2.67	
Toluene*	<0.050	0.050	08/27/2014	ND	1.74	87.0	2.00	2.01	
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.99	99.5	2.00	3.12	
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.95	99.2	6.00	3.35	
Total BTEx	<0.300	0.300	08/27/2014	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	13.9	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 131 % 63.6-154

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

Received: 08/22/2014
Reported: 08/28/2014
Project Name: MLMU #254
Project Number: NONE GIVEN
Project Location: OXY - JAL, NM

Sampling Date: 08/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 12' (H402583-05)

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	08/27/2014	ND	1.89	94.6	2.00	2.67	
Toluene*	<0.050	0.050	08/27/2014	ND	1.74	87.0	2.00	2.01	
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.99	99.5	2.00	3.12	
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.95	99.2	6.00	3.35	
Total BTX	<0.300	0.300	08/27/2014	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 122 % 65.2-140

Surrogate: 1-Chlorooctadecane 135 % 63.6-154

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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: 08/22/2014
 Reported: 08/28/2014
 Project Name: MLMU #254
 Project Number: NONE GIVEN
 Project Location: OXY - JAL, NM

 Sampling Date: 08/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 15' (H402583-06)

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	08/27/2014	ND	1.89	94.6	2.00	2.67		
Toluene*	<0.050	0.050	08/27/2014	ND	1.74	87.0	2.00	2.01		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.99	99.5	2.00	3.12		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.95	99.2	6.00	3.35		
Total BTEx	<0.300	0.300	08/27/2014	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	13.1	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 130 % 65.2-140

Surrogate: 1-Chlorooctadecane 143 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/22/2014
 Reported: 08/28/2014
 Project Name: MLMU #254
 Project Number: NONE GIVEN
 Project Location: OXY - JAL, NM

 Sampling Date: 08/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 18' (H402583-07)

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	08/27/2014	ND	1.89	94.6	2.00	2.67	
Toluene*	<0.050	0.050	08/27/2014	ND	1.74	87.0	2.00	2.01	
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.99	99.5	2.00	3.12	
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.95	99.2	6.00	3.35	
Total BTX	<0.300	0.300	08/27/2014	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	16.1	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 128 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/22/2014
Reported: 08/28/2014
Project Name: MLMU #254
Project Number: NONE GIVEN
Project Location: OXY - JAL, NM

Sampling Date: 08/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 19' (H402583-08)

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	08/27/2014	ND	1.89	94.6	2.00	2.67	
Toluene*	<0.050	0.050	08/27/2014	ND	1.74	87.0	2.00	2.01	
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.99	99.5	2.00	3.12	
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.95	99.2	6.00	3.35	
Total BTX	<0.300	0.300	08/27/2014	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	11.1	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 127 % 65.2-140

Surrogate: 1-Chlorooctadecane 139 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO												ANALYSIS REQUEST																									
Project Manager: Cliff Brunson		Company:																																							
Address: P.O. Box 805		Attn:																																							
City: Hobbs		Address:																																							
Phone #: 575-397-6388		City:																																							
Fax #: 575-397-0397		State:																																							
Project #:		Zip:																																							
Project Name: MPM #254		Phone #:																																							
Project Location: 121		Fax #:																																							
Sample Name: 1st Cycles																																									
FOR LAB USE ONLY																																									
Lab I.D. Sample I.D.																																									
H402563																																									
1		SP101		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
2		03		1		1		X		X		X		X		X		X		X		X		X		8-21		900													
3		01		1		1		X		X		X		X		X		X		X		X		X		950		101													
4		09		1		1		X		X		X		X		X		X		X		X		X		1255		137													
5		12		1		1		X		X		X		X		X		X		X		X		X		157		222													
6		15		1		1		X		X		X		X		X		X		X		X		X		222		239													
7		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
8		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
9		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
10		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
11		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
12		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
13		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
14		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
15		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
16		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
17		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
18		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
19		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
20		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
21		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
22		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
23		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
24		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
25		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
26		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
27		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
28		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
29		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
30		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
31		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
32		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
33		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
34		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
35		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
36		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
37		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
38		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
39		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
40		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
41		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
42		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
43		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
44		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
45		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
46		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
47		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
48		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
49		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
50		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
51		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
52		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
53		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
54		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
55		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
56		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
57		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
58		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
59		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
60		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
61		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
62		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
63		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
64		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
65		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
66		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
67		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
68		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
69		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
70		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
71		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
72		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
73		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
74		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
75		19		1		1		X		X		X		X		X		X		X		X		X		239		239													
76		19		1		1		X		X		X																													

Kathy Purvis

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Sent: Wednesday, October 15, 2014 9:41 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY - MLMU #254 - Remediation Plan

Aloha Mr. Brunson et al,
Thank you for sending in this plan.
Please consider this the OCD notice of receipt.

Based on the sample data provided OCD conditionally approves the plan with the following amendments-
-The use of clay or caliche liners with contaminants other than ~Cl is no longer being approved, BLM suggests the use of plastic for hydrocarbon contaminants. Hence, please replace the clay with plastic at the depth indicated.
-BLM needs to approve the plan (including the amended plan as suggested above), please include them in the original emails so that BLM is aware of the discussions from the start. OCD and BLM are working closely together on all sites of interest to the BLM and hence this will make our negotiations much easier. If the release is on pad- Mr. Jim Amos is the BLM contact, while offsite locations in pasture are handled by both Mr. Jeffery Robertson and Mr. Solomon Hughes. (Ms. Van Curen is longer with the agency, please update your contacts accordingly).

As a courtesy, I request that you include the RP number in the email please. On a sheet summarizing the work plan attached to the diagram/lab results pages is even better as this makes tracing the work plan easier online when we upload it.

Lastly, please send these plans in piecemeal, 5 or so as a bunch at the most. My email folder, unlike me predecessor's, tends to get very full and I want to ensure that all your documents and others from the oil field arrive with minimal difficulty.

Thank you very much for your assistance and continued hard work.

Please let me know if you have any questions or concerns.

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240
(O): (575) 393-6161 ext 111
(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Tuesday, October 14, 2014 7:14 PM
To: Oberding, Tomas, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - MLMU #254 - Remediation Plan

Tomas,

This e-mail is to confirm our conversation on September 19, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 4 feet in the entire leak area as depicted on the attached site diagram then a clay liner will be installed in the excavation. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
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World-Wide Environmental Specialists
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P. O. Box 805
Hobbs, NM 88241-0805 USA
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