

RECEIVED

By JKeyes at 9:25 am, Mar 21, 2016

Closure Report

APPROVED**Site Description**

Site Name:	MLMU #141
Company:	Oxy Permian Ltd.
Legal Description:	U/L D, Section 5, T24S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.25021° W 103.19031°

Release Data

Date of Release:	11/13/2014
Type of Release:	Produced water
Source of Release:	Injection line lead
Volume of Release:	300 bbls
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the areas around SP1 and SP2 to a depth of 3 feet and install a clay liner. Excavate the area around SP3 to a depth of 3 feet. Surface scrape the rest of the spill area. Backfill the site with clean soil.
Remediation Activities:	01/25/2016 to 03/08/2016

Plan Sent to OCD:	09/26/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	09/30/2015	Email from Jamie Keyes to Cliff Brunson
Plan Sent to BLM:	09/26/2015	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	10/05/2015	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 11/21/2014
Final C-141	Signed 03/11/2016
Site Diagram	November 2014
Groundwater Plot	100'
TOPO Maps	November 2014
Lab Summary	02/11/2015-02/16/2015 and 08/11/2015-08/12/2015
Lab Analysis	02/11/2015-02/16/2015 and 08/11/2015-08/12/2015
Correspondence	Request and approval of remediation plan via email

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

03/14/2016

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	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	MLMU #141	Facility Type	Well/Injection
Surface Owner	Federal	Mineral Owner	
		API No.	30-025-11027

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	6	24S	37E					Lea County, NM

Latitude N 32.24815° Longitude W 103.19522°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	300 bbls	Volume Recovered	0 bbls
Source of Release	Leak in injection line	Date and Hour of Occurrence	11/13/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Tomas Oberding- NMOCD, Sol Hughes- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	11/14/2014 @ 11:29 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.*

A leak in an injection line spilled 300 bbls of produced water onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 50' x 50' off location. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by 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>11-21-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
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	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	MLMU #141	Facility Type	Well/Injection
Surface Owner	Federal	Mineral Owner	
		API No.	30-025-11027

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	6	24S	37E					Lea County, NM

Latitude N 32.24815° Longitude W 103.19522°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	300 bbls	Volume Recovered	0 bbls
Source of Release	Leak in injection line	Date and Hour of Occurrence	11/13/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Tomas Oberding- NMOCD, Sol Hughes- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	11/14/2014 @ 11:29 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.*

A leak in an injection line spilled 300 bbls of produced water onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 50' x 50' off location. Remediation was completed in accordance with the remediation plan approved by Jamie Keyes of NMOCD via email on 09/30/2015 and approved by Shelly Tucker of the BLM via email on 10/05/2015.

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: <i>Jamie Keyes</i>		
Title: NM Environmental Advisor	Approval Date: 03/21/2016	Expiration Date: ///	
E-mail Address: Casey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3-11-16	Phone: (575) 513-8289	IRP 3434	

* Attach Additional Sheets If Necessary



Oxy
MLMU #141

Line, not marked

Line, not marked

3' Excavation

30' x 14'

SP3

70' x 35'

SP2

Line, Oxy

70' x 60'

SP6

Leak Area

Line, Regency

Line, Oxy

100' x 18'

SP4

Line, Oxy

17' x 13'

SP5

Valve

Pasture

Open Hole

Valve

Line, Oxy

3' Excavation with
clay liner

MLMU #271 Location

U/L D, Section 5, T24S, R37E at leak
U/L H, Section 6, T24S, R37E at site
Lea County, NM
N 32.25021° W 103.19031° at stake
API# 30-025-11027

BBC International, Inc.

Oxy
MLMU #141

Date: 11/26/14

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2014

Groundwater Plot

Oxy MLMU #141

County
Lea

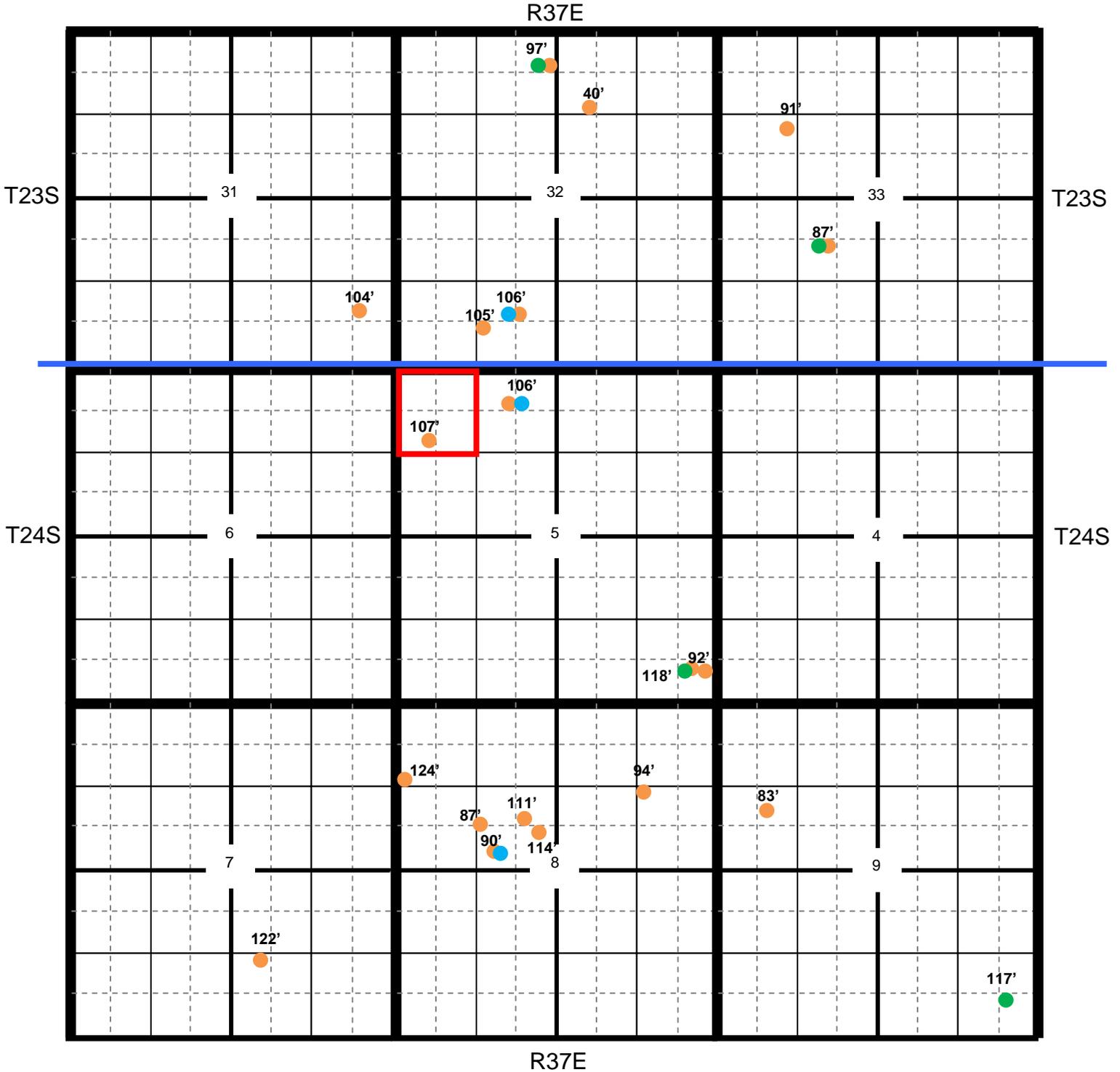
Unit Letter
D

Section
5

Township
24S

Range
37E

Trend Map 100'



Location

OCD

USGS

SEO

All Databases

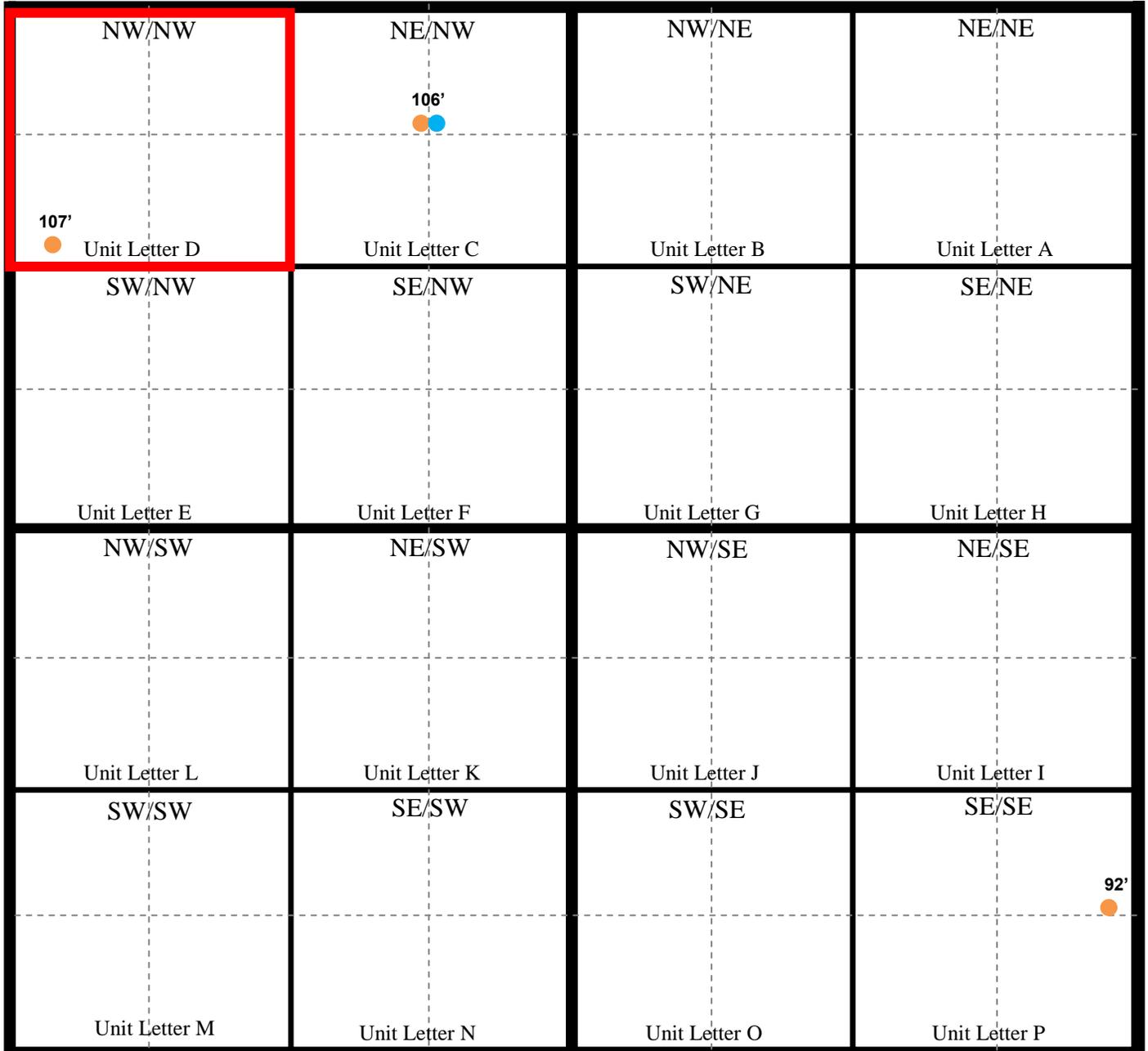
Oxy MLMU #141

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

Trend Map 100'

1

2

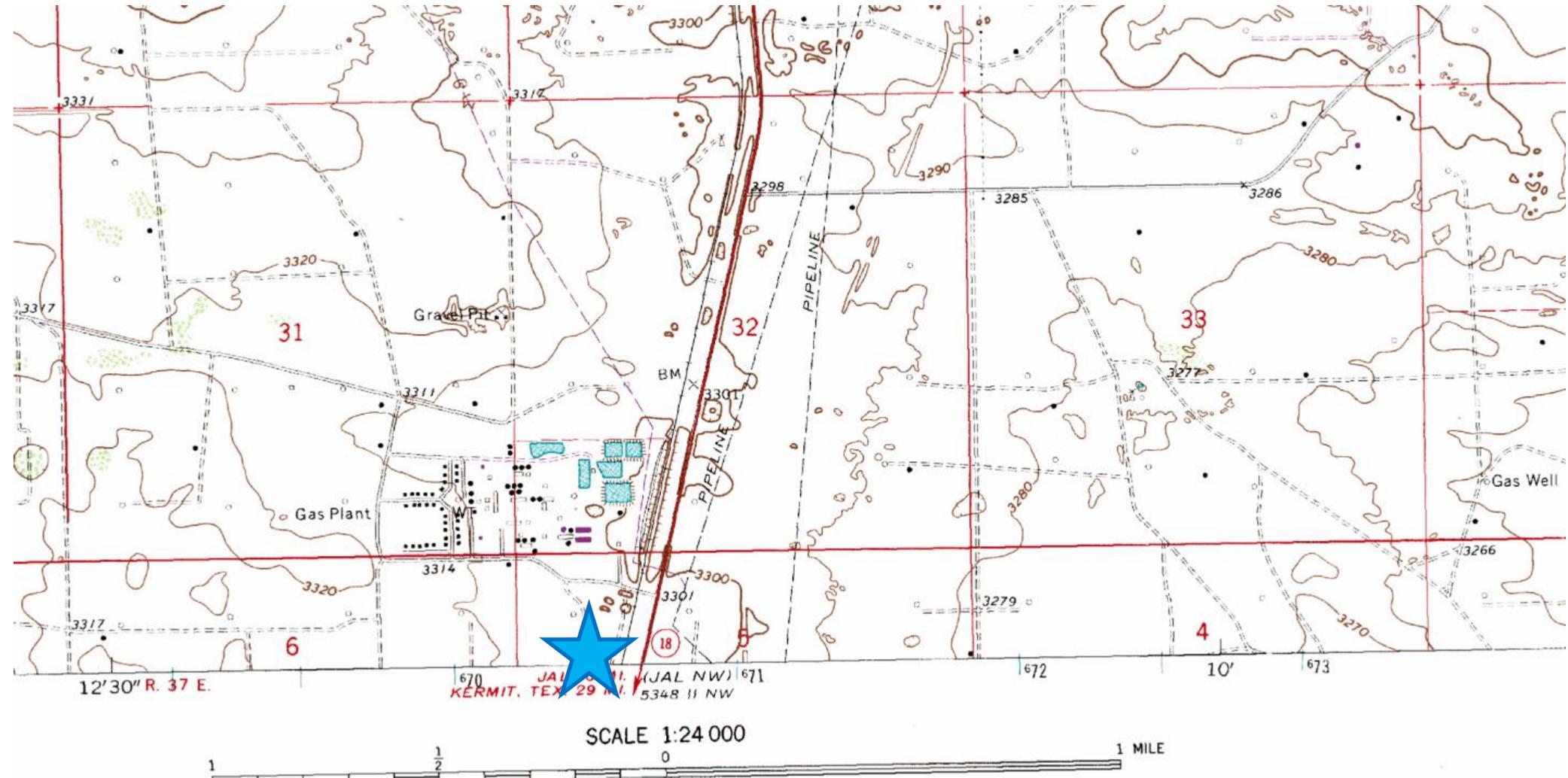


3

4

Oxy

MLMU #141



**Laboratory Analytical Results Summary
MLMU #141**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 6'	SP1 @ 8'	SP1 @ 11'	SP1 @ 13'	SP1 @ 15'
Analyte	Method	Date	2/11/15	2/11/15	2/12/15	2/12/15	2/12/15	2/12/15	2/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		368	1020	784	1800	1250	656	48

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 6'	SP2 @ 9'	SP2 @ 13'
Analyte	Method	Date	2/12/15	2/12/15	2/13/15	2/13/15	2/13/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		800	992	752	1710	1220

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	2/16/15	2/16/15	2/16/15	2/16/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		944	1070	240	<16.0

		Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	8/11/15	8/11/15	8/11/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		592	<16.0	<16.0

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	8/11/15	8/11/15	8/11/15	8/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		1090	<16.0	<16.0	<16.0

		Sample	SP6 @ SURFACE	SP6 @ 1'
Analyte	Method	Date	8/12/15	8/12/15
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		<16.0	<16.0



February 23, 2015

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

RE: MLMU #141

Enclosed are the results of analyses for samples received by the laboratory on 02/18/15 8:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

Received:	02/18/2015	Sampling Date:	02/11/2015
Reported:	02/23/2015	Sampling Type:	Soil
Project Name:	MLMU #141	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 1' (H500470-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 1 @ 3' (H500470-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 1 @ 6' (H500470-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 1 @ 8' (H500470-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	02/18/2015	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	02/18/2015	Sampling Date:	02/12/2015
Reported:	02/23/2015	Sampling Type:	Soil
Project Name:	MLMU #141	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 11' (H500470-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 1 @ 13' (H500470-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 1 @ 15' (H500470-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 2 @ 1' (H500470-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 2 @ 3' (H500470-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	02/18/2015	ND	416	104	400	3.77	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	02/18/2015	Sampling Date:	02/13/2015
Reported:	02/23/2015	Sampling Type:	Soil
Project Name:	MLMU #141	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 2 @ 6' (H500470-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 2 @ 9' (H500470-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 2 @ 13' (H500470-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 3 @ 1' (H500470-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 3 @ 3' (H500470-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	02/18/2015	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	02/18/2015	Sampling Date:	02/16/2015
Reported:	02/23/2015	Sampling Type:	Soil
Project Name:	MLMU #141	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 3 @ 5' (H500470-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/18/2015	ND	416	104	400	3.77	

Sample ID: SP 3 @ 6' (H500470-16)

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	02/18/2015	ND	416	104	400	3.77	

Cardinal Laboratories

*=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



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.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs
Phone #: 575-397-6388
Project #:

State: NM Zip: 88241
Fax #: 575-397-0397
Project Owner: OXY

Project Name: MIMV #191
Project Location: 121

Sampler Name: West One/25
FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #: _____
Company: _____
Attn: _____
Address: 592
City: _____
State: _____ Zip: _____
Phone #: _____
Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	X						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:											
H500710	SP101	G	1	X	X	X	X	X	X	X	X	2-11	215	X							
	03	G	1	X	X	X	X	X	X	X	X	2-11	300	X							
	06	G	1	X	X	X	X	X	X	X	X	2-12	915	X							
	08	G	1	X	X	X	X	X	X	X	X	2-12	1010	X							
	011	G	1	X	X	X	X	X	X	X	X	2-12	1111	X							
	013	G	1	X	X	X	X	X	X	X	X	2-12	1130	X							
	015	G	1	X	X	X	X	X	X	X	X	2-12	1153	X							
	SP201	G	1	X	X	X	X	X	X	X	X	2-12	1333	X							
	03	G	1	X	X	X	X	X	X	X	X	2-12	1338	X							
	06	G	1	X	X	X	X	X	X	X	X	2-13	133	X							

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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]
Date: 2-16-15
Time: 8:00
Received By: Ramon Montoya

Delivered By: (Circle One) Ramon Montoya
Sampler - UPS - Bus - Other: 4.40
Sample Condition: Cool Intact
Checked By: [Signature]

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

REMARKS:

#54



CARDINAL 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

Phone #: 575-397-6388

Project #:

Project Name: *MLNY #1410XY*

Project Location: *12*

Sampler Name: *Jeff Ornelas*

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Lab I.D. *H50047D*

Sample I.D.

*11 SP209
12 SP2013
13 SP301
14 SP303
15 e5
16 e6*

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER:
ACID/BASE:
ICE / COOL
OTHER:

MATRIX

PRESERV

SAMPLING

DATE
TIME

*2-13 11
2-13 3:00
2-16 10/0
11/2 100
200*

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Relinquished By: *[Signature]*

Date: *2-18-15*

Received By: *Ramon Montoya*

Phone Result: Yes No

Fax Result: Yes No

REMARKS:

Relinquished By: *[Signature]*

Date: *2-18-15*

Received By: *Ramon Montoya*

Delivered By: *Ramon Montoya*

Date: *2/18/15*

Received By: *Spacie Brunson*

Delivered By: (Circle One)

Date: *2-18-15*

Received By: *[Signature]*

Sampler - UPS - Bus - Other:

Date: *2-18-15*

Received By: *[Signature]*

Sampler - UPS - Bus - Other:

Date: *2-18-15*

Received By: *[Signature]*

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

#54



August 18, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #141

Enclosed are the results of analyses for samples received by the laboratory on 08/13/15 9:07.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" and "K".

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: 08/13/2015
 Reported: 08/18/2015
 Project Name: MLMU #141
 Project Number: NONE GIVEN
 Project Location: DEEP WELLS ROAD

 Sampling Date: 08/11/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ SURFACE (H502107-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	08/17/2015	ND	416	104	400	0.00	

Sample ID: SP 4 @ 1' (H502107-02)

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	08/17/2015	ND	432	108	400	0.00	

Sample ID: SP 4 @ 2' (H502107-03)

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	08/17/2015	ND	432	108	400	0.00	

Sample ID: SP 5 @ SURFACE (H502107-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	08/17/2015	ND	432	108	400	0.00	

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: 08/13/2015
 Reported: 08/18/2015
 Project Name: MLMU #141
 Project Number: NONE GIVEN
 Project Location: DEEP WELLS ROAD

 Sampling Date: 08/11/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 @ 1' (H502107-05)

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	08/17/2015	ND	432	108	400	0.00	

Sample ID: SP 5 @ 2' (H502107-06)

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	08/17/2015	ND	432	108	400	0.00	

Sample ID: SP 5 @ 3' (H502107-07)

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	08/17/2015	ND	432	108	400	0.00	

Sample ID: SP 6 @ SURFACE (H502107-08)

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	08/17/2015	ND	432	108	400	0.00	

Sample ID: SP 6 @ 1' (H502107-09)

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	08/17/2015	ND	432	108	400	0.00	

Cardinal Laboratories

*=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

Cardinal Laboratories

*=Accredited Analyte

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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

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: CV Jimmy																		
Project #:		Project Owner: OXY		City:																		
Project Name: MAMU-14		State:		Zip:																		
Project Location: Deep Wells Road		Phone #:																				
Sampler Name: ICF Environmental		Fax #:																				
FOR LAB USE ONLY																						
Lab I.D. H502101	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	WARM / COOL	OTHER:	DATE	TIME								
	SP405PITFACE		1	X	X	X	X	X	X	X	X	X	8-11	111	X							
	SP205PITFACE		1	X	X	X	X	X	X	X	X	X	8-11	152	X							
	SP305PITFACE		1	X	X	X	X	X	X	X	X	X	8-11	222	X							
	SP405PITFACE		1	X	X	X	X	X	X	X	X	X	8-11	300	X							
	SP505PITFACE		1	X	X	X	X	X	X	X	X	X	8-11	330	X							
	SP605PITFACE		1	X	X	X	X	X	X	X	X	X	8-12	1060	X							
	SP605PITFACE		1	X	X	X	X	X	X	X	X	X	8-12	1130	X							
	SP605PITFACE		1	X	X	X	X	X	X	X	X	X	8-12	148	X							

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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: *8/13/15* Time: *9:07*

Received By: *[Signature]* Date: _____ Time: _____

Delivered By: (Circle One) UPS Bus Other: *-D.42*

Sample Condition: Intact Cool Yes No

CHECKED BY: *[Signature]*

Phone Result: Yes No Add'l Phone #: _____

Fax Result: Yes No Add'l Fax #: _____

REMARKS: *#54*

Kathy Purvis

From: Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>
Sent: Wednesday, September 30, 2015 2:56 PM
To: Cliff Brunson; Jones, Kellie, EMNRD; Shelly Tucker
Cc: Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY - MLMU #141 - Remediation Plan

Good afternoon,

The work plan is approved. Ensure BLM concurrence/approval.

Thank you,

Jamie

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Saturday, September 26, 2015 2:50 PM
To: Jones, Kellie, EMNRD; Shelly Tucker
Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - MLMU #141 - Remediation Plan

Kellie,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy MLMU #141. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

Shelly,

I am requesting BLM approval for the attached remediation plan for this site. Kellie Jones has agreed to this plan already.

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

Thanks, Cliff

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

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Kathy Purvis

From: Tucker, Shelly <stucker@blm.gov>
Sent: Monday, October 05, 2015 12:28 PM
To: Cliff Brunson
Cc: Kellie Jones; Jamie Keyes; Tomas J. Oberding; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY - MLMU #141 - Remediation Plan

BLM approves your proposal and you are cleared for Arch in this area....

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 Sat, Sep 26, 2015 at 2:50 PM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Kellie,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy MLMU #141. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

Shelly,

I am requesting BLM approval for the attached remediation plan for this site. Kellie Jones has agreed to this plan already.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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