

PJ XK 1535154222
4034

HOBBS OCD

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

APR 17 2014

RECEIVED

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 #139	Facility Type	Well location
Surface Owner	Kelly Myers	Mineral Owner	
		API No. 30-025-11020	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	6	24S	37E	1980	North	1980	West	Lea County, NM

Latitude N 32.24809° Longitude W 103.20308°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	3 bbls oil, 57 bbls produced water	Volume Recovered	2 bbls oil, 50 bbls produced water
Source of Release	Leak in a 2.375" steel production flow line	Date and Hour of Occurrence	07/21/2013	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? Geoffrey Leking-NMOCD, Jennifer Van Curen, James Amos-BLM			
By Whom?	Rachel McPherson	Date and Hour	07/25/2013 @ 2:06 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.*					
A leak in a 2.375" steel production flow line caused 3 bbls of oil and 57 bbls of produced water to leak onto the ground. A vacuum truck recovered 2 bbls of oil and 50 bbls of produced water and the line was repaired or replaced.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 15' x 25' and is located approximately 200' South of Satellite 3. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 03/11/2014 and by Jennifer Van Curen of the BLM via email on 03/09/2014.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					

Signature:	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 4-15-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

HOBBS OCD

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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 #139	Facility Type	Well location

Surface Owner	Kelly Myers	Mineral Owner		API No.	30-025-11020
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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
F	6	24S	37E	1980	North	1980	West	Lea County, NM

Latitude N 32.24809° Longitude W 103.20308°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	3 bbls oil, 57 bbls produced water	Volume Recovered	2 bbls oil, 50 bbls produced water
Source of Release	Leak in a 2.375" steel production flow line	Date and Hour of Occurrence	07/21/2013	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?	Geoffrey Leking-NMOCD, Jennifer Van Curen, James Amos-BLM		
By Whom?	Rachel McPherson	Date and Hour	07/25/2013 @ 2:06 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.*
A leak in a 2.375" steel production flow line caused 3 bbls of oil and 57 bbls of produced water to leak onto the ground. A vacuum truck recovered 2 bbls of oil and 50 bbls of produced water and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 15' x 25' and is located approximately 200' South of Satellite 3. 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 Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxv.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1-16-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

Closure Report

P3XK1535154222
HOBBS OCD

APR 17 2014

Site Description	
Site Name:	MLMU #139
Company:	Oxy Permian Ltd.
Legal Description:	U/L F, Section 6, T24S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.25274° W 103.20142°

Release Data	
Date of Release:	07/21/2013
Type of Release:	Oil and Produced water
Source of Release:	Leak in a 2.375" steel production flow line
Volume of Release:	3 bbls oil and 57 bbls produced water
Volume Recovered:	2 bbls oil and 50 bbls produced water

Remediation Specifications	
Remediation Parameters:	Excavate to a depth of 7.5 feet across the entire leak site. Collect a bottom sample (at 7.5 feet) to verify TPH is below the RRAL. Then, backfill the excavation area with clean soil.
Remediation Activities:	03/31/2014 to 04/04/2014

Plan Sent to OCD:	03/08/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	03/11/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	03/08/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	03/09/2014	Email from J. Van Curen to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 01/16/2014
Final C-141	Signed 04/15/2014
Site Diagram	February 2014
Groundwater Plot	150'
TOPO Maps	February 2014
Lab Summary	02/11/2014 and 04/02/2014
Lab Analysis	02/11/2014 and 04/02/2014
Correspondence	Request and approval of remediation plan via email

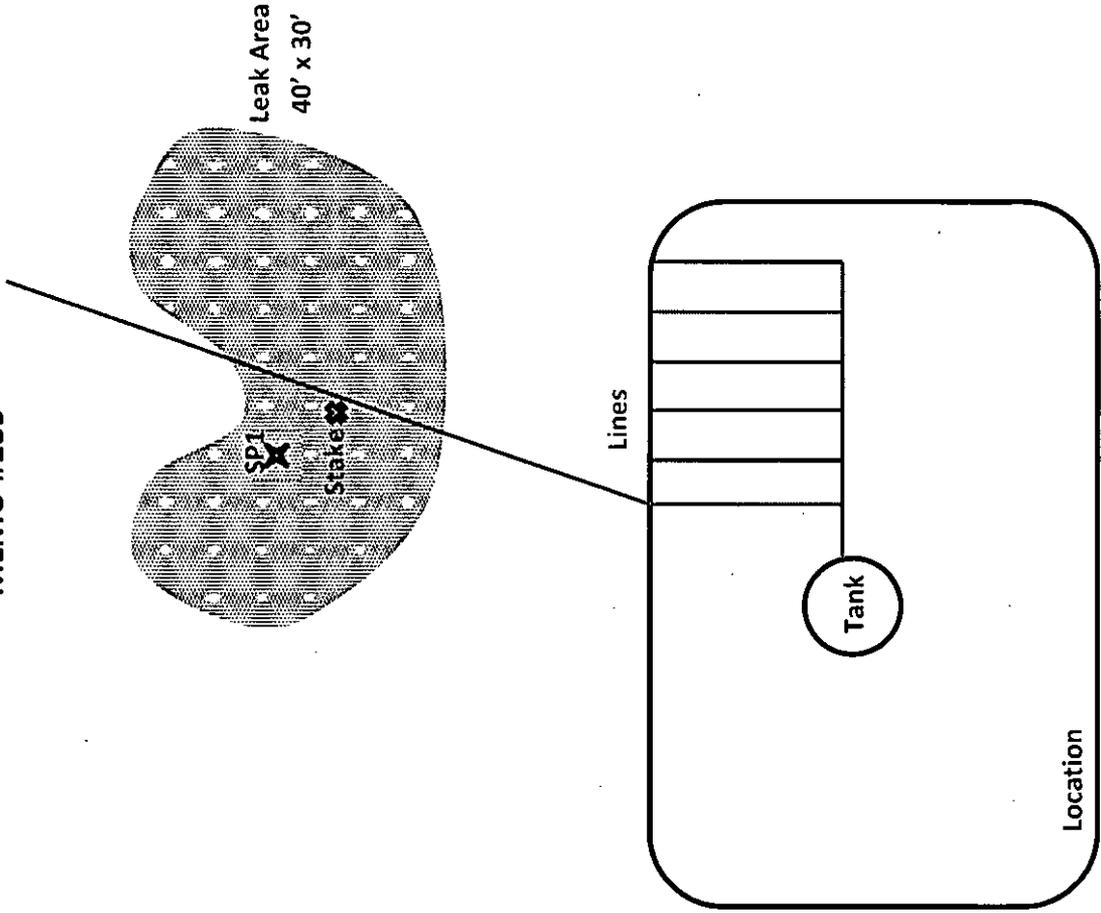
Request for Closure	
Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.	
Cliff Brunson, President of BBC International Inc.	04/16/2014

DEC 22 2015





Oxy
MLMU #139



U/L F, Section 6, T24S, R37E
1980' FNL, 1980' FWL
Lea County, NM
GPS at stake: N 32.25274° W 103.20142°
API# 30-025-11020

BBC International, Inc.	
Oxy	
MLMU #139	
Date: 02/04/2014	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2014	



Groundwater Plot

Oxy MLMU #139

County
Lea

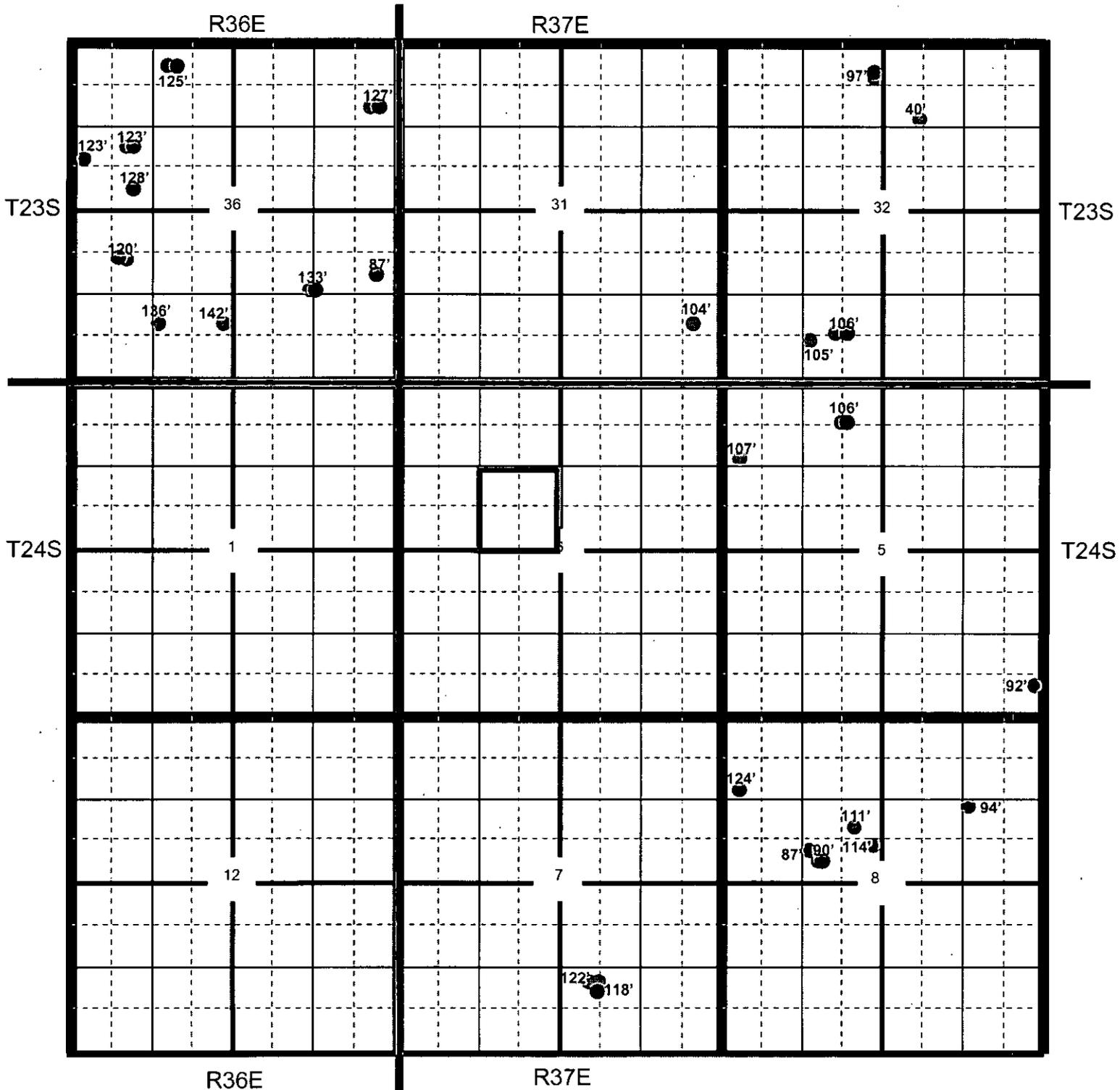
Unit Letter
F

Section
6

Township
24S

Range
37E

Trend Map 150'



★ Location

● OCD

● USGS

● SEO

● All Databases



Section Quarters

Oxy MLMU #139

<i>County</i> Lea	<i>Unit Letter</i> F	<i>Section</i> 6	<i>Township</i> 24S	<i>Range</i> 37E
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Trend Map 150'

1

2

NW/NW None	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW * Unit Letter F	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

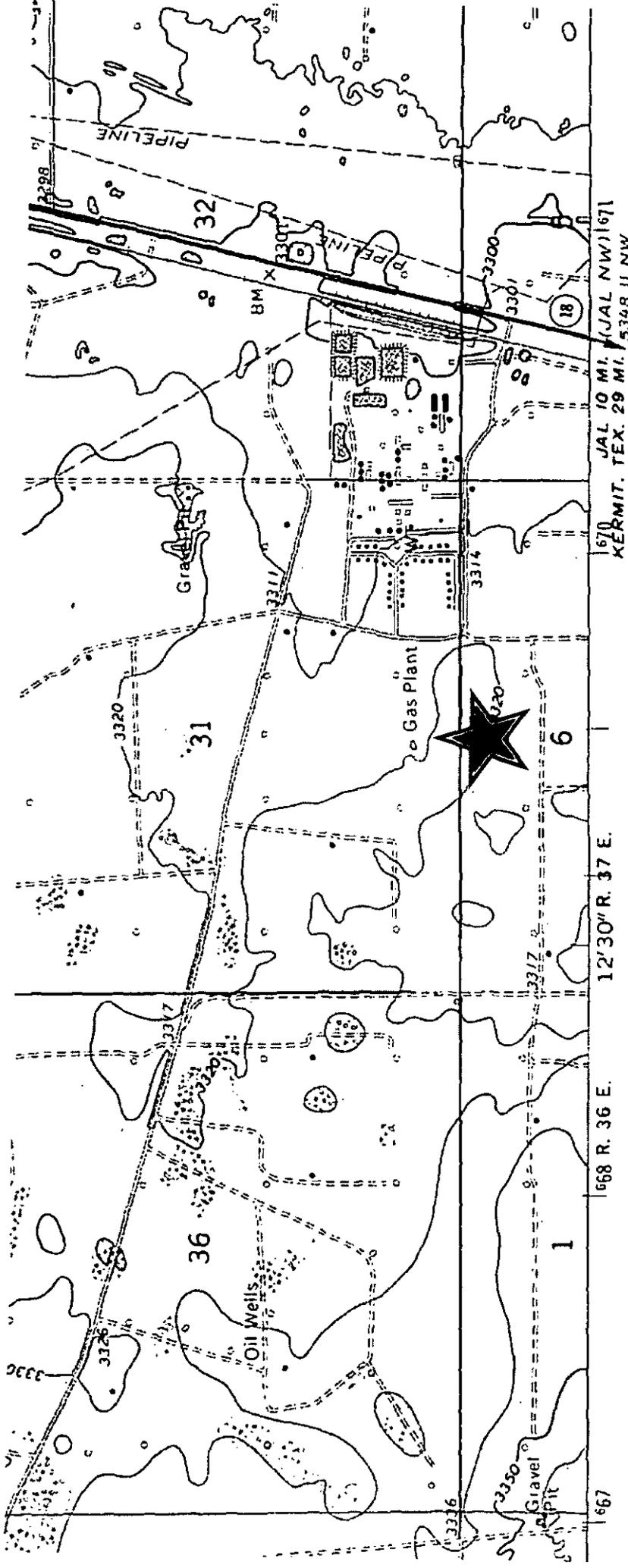
3

4

* Location • OCD • USGS • SEO • All Databases

Oxy

MLMU #139



Laboratory Analytical Results Summary
MLMU #139

Analyte	Method	Sample Date	Result	Units
GRO	TPH 8015M	4/27/14	<10.0	mg/Kg
DRO	TPH 8015M		<10.0	

February 19, 2014

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

RE: MLMU #139

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 8:25.

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.

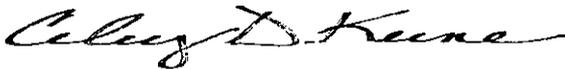
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 02/12/2014
 Reported: 02/19/2014
 Project Name: MLMU #139
 Project Number: NONE GIVEN
 Project Location: JAL, NM

 Sampling Date: 02/11/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400421-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84		
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05		
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06		
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90		
Total BTEX	<0.300	0.300	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.9 % 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	1070	16.0	02/14/2014	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	02/13/2014	ND	198	98.9	200	12.2		
DRO >C10-C28	14.5	10.0	02/13/2014	ND	195	97.5	200	9.27		

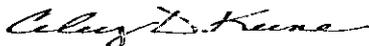
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 2' (H400421-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84		
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05		
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06		
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90		
Total BTEX	<0.300	0.300	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.2 % 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	1090	16.0	02/14/2014	ND	416	104	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	02/13/2014	ND	198	98.9	200	12.2		
DRO >C10-C28	355	10.0	02/13/2014	ND	195	97.5	200	9.27		

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

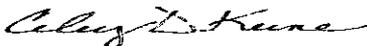
Sample ID: SP 1 @ 3' (H400421-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	02/14/2014	ND	416	104	400	3.92		

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: 02/12/2014
 Reported: 02/19/2014
 Project Name: MLMU #139
 Project Number: NONE GIVEN
 Project Location: JAL, NM

 Sampling Date: 02/11/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 5' (H400421-04)

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	02/14/2014	ND	416	104	400	3.92		

Sample ID: SP 1 @ 7' (H400421-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2290	16.0	02/14/2014	ND	416	104	400	3.92		

Sample ID: SP 1 @ 9' (H400421-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/14/2014	ND	416	104	400	3.92		

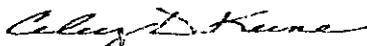
Sample ID: SP 1 @ 10' (H400421-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/14/2014	ND	416	104	400	3.92		

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

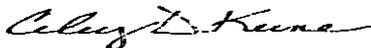
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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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		State: NM Zip: 88241		Attn:											
City: Hobbs		Phone #: 575-397-6388		Address:											
Project #:		Project Owner: OY		City:											
Project Name: MLYM-139		State:		Zip:											
Project Location: <i>W. 1st St</i>		Phone #:		Fax #:											
Sampler Name: <i>W. 1st St</i>		FOR LAB USE ONLY													
Lab I.D. H4DD121		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING			
1		SP101		G		1		GROUNDWATER		X		DATE		TIME	
2		02		G		1		WASTEWATER		X		2-11		1100	
3		03		G		1		SOIL		X				1119	
4		05		G		1		OIL		X				1144	
5		07		G		1		SLUDGE		X				1755	
6		09		G		1		OTHER:		X				159	
7		010		G		1		ACID/BASE:		X				241	
				G		1		ICE / COOL		X				330	
				G		1		OTHER:		X					
				G		1		DATE		X					
				G		1		TIME		X					
				G		1		CL		X					
				G		1		TPH		X					
				G		1		BTEX		X					

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

Relinquished By: *[Signature]* Date: 2-11-14
 Received By: *[Signature]* Date: 2-11-14
 Time: 8:15
 Sample Condition: Cool Intact Packed Sealed
 Delivered By: (Circle One) UPS Bus Other: *4.102*
 Checked By: *[Signature]*

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

April 03, 2014

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

RE: MLMU #139

Enclosed are the results of analyses for samples received by the laboratory on 04/02/14 14:45.

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

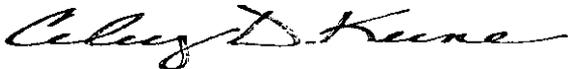
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



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:	04/02/2014	Sampling Date:	04/02/2014
Reported:	04/03/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

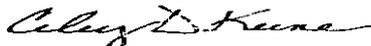
Sample ID: BOTTOM SAMPLE (H400981-01)

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	04/02/2014	ND	187	93.4	200	1.94		
DRO >C10-C28	<10.0	10.0	04/02/2014	ND	216	108	200	2.56		
<i>Surrogate: 1-Chlorooctane</i>	<i>98.1 %</i>	<i>65.2-140</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>92.1 %</i>	<i>63.6-154</i>								

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

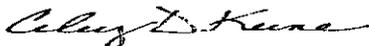
Notes and Definitions

- 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

Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Monday, March 10, 2014 7:14 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-MLMU #139-Remediation Plan

Cliff

As per the below email and attachment as well as our meeting of 3/6/14, the remediation plan for the MLMU #139 is approved.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Saturday, March 08, 2014 5:44 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-MLMU #139-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on March 6, 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 7.5 feet across the entire leak area as depicted on the attached site diagram. 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
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: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Tuesday, March 11, 2014 9:29 AM
To: Cliff P. Brunson
Cc: Chancey_Summers@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Cliff

Thank you. I had no record of discussing surface scraping here. I did review the data and saw that only surface scraping was appropriate before I sent the prior email. I should have worded comment 3 more appropriately. Surface scraping at the SP3 location is approved. Thank you.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Monday, March 10, 2014 7:59 PM
To: Leking, Geoffrey R, EMNRD
Cc: Chancey_Summers@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Geoff,

Here are my comments to your 3 points below:

1. We will collect a sample at 7.5 feet to verify TPH is below the RRAL.
2. The entire spill area will be excavated to 2 feet and lined as requested.
3. If you would please review the lab data associated with SP3 again. There is no need to excavate this area to 3.5 feet. We respectfully ask you to reconsider as you and I had discussed to only conduct surface scraping in this area. Please advise.

Thank you,

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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From: Geoffrey Leking <geoffreyr.leting@state.nm.us>
Date: Monday, March 10, 2014 10:19 AM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: C J Summers <Chancey_Summers@oxy.com>
Subject: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Cliff

- 1) MLMU #139 - Please collect a sample at 7.5' for TPH to verify that the concentration remained below the RRAL at this depth.
- 2) Gillully B Fed #18 - Please excavate to 2' and line @ SP1 as you are planning to do at SP2 and SP3. Please clarify if this is not possible.
- 3) Warren McKee Unit #501 - Please verify that you are excavating to 3.5' across the entire site as the figure displays only scraping at the SP3 area.

Thank you.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Sunday, March 09, 2014 4:24 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY-MLMU #139-Remediation Plan

Approved. Will need like approval from Kelly Myers. Mr. Myers can pick the seed also. Thanks

JENNIFER E VAN CUREN
ENVIRONMENTAL PROTECTION SPECIALIST
DOI-BLM-CARLSBAD FIELD OFFICE
320 E GREENE ST. CARLSBAD, NM 88220
OFFICE- 575-234-5905
CELL - 575-361-0042
FAX - 575-234-5927

On Sat, Mar 8, 2014 at 5:43 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy will excavate to a depth of 7.5 feet across the entire leak area as shown on the diagram. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

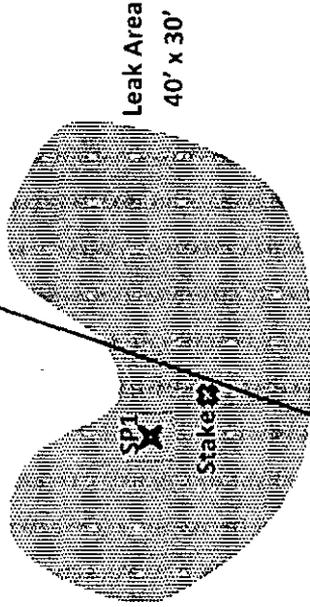
Thanks, Cliff

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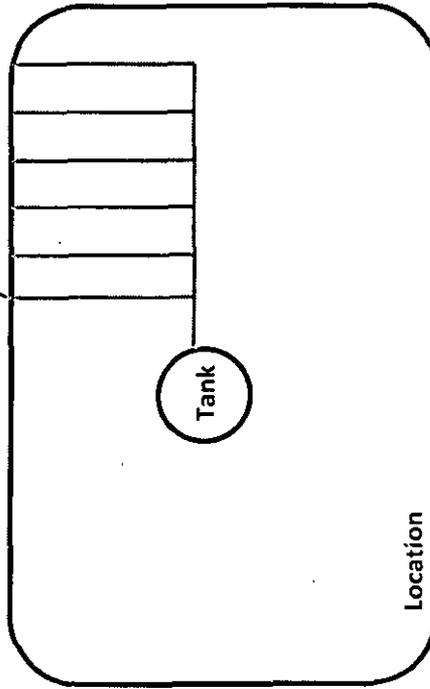


Oxy
MLMU #139



Leak Area
40' x 30'

Lines



U/L F, Section 6, T24S, R37E
1980' FNL, 1980' FWL
Lea County, NM
GPS at stake: N 32.25274° W 103.20142°
API# 30-025-11020

BBC International, Inc.	
Oxy	
MLMU #139	
Date: 02/04/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014



Groundwater Plot

Oxy MLMU #139

County
Lea

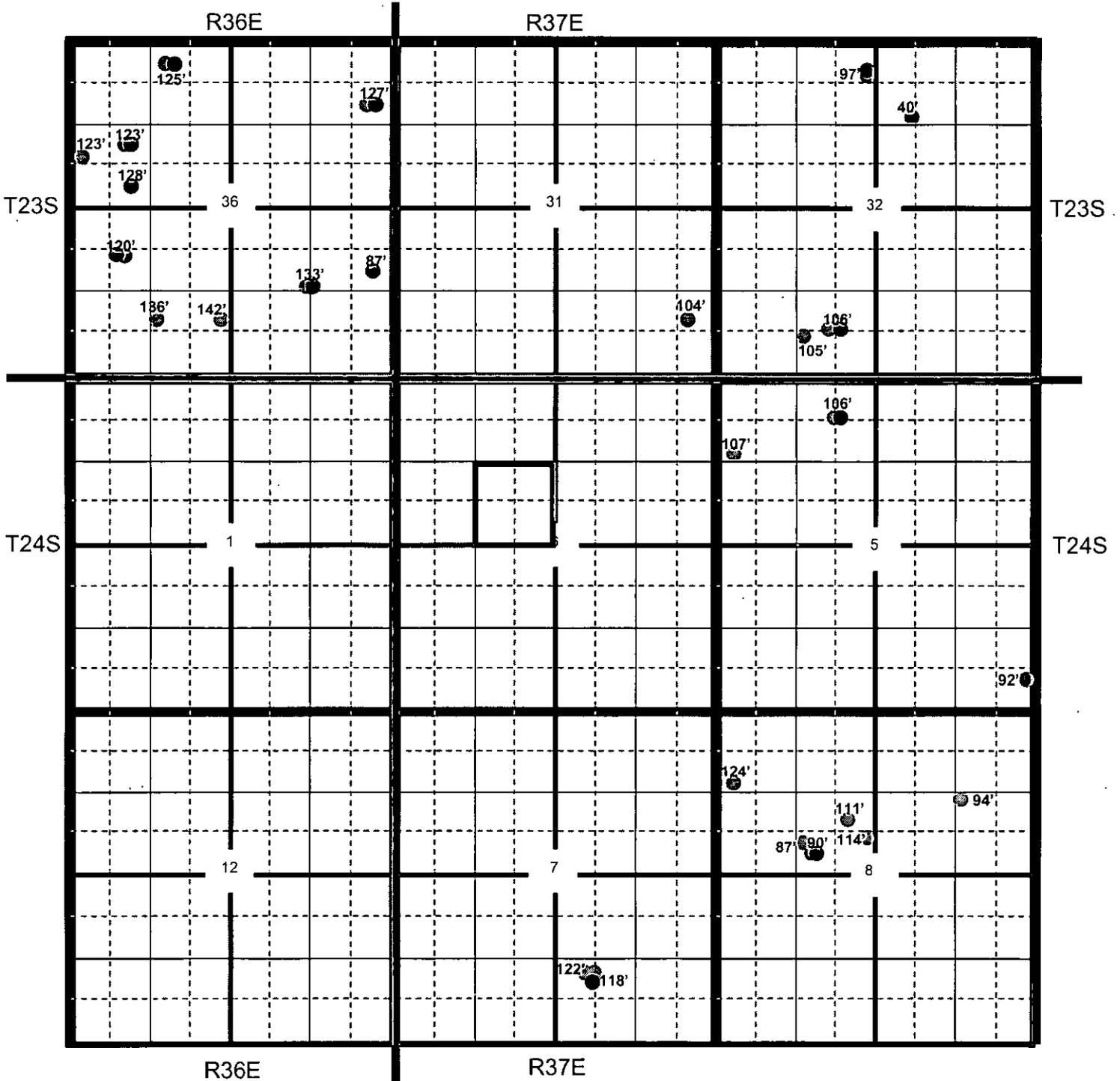
Unit Letter
F

Section
6

Township
24S

Range
37E

Trend Map 150'



★ Location

● OCD

● USGS

● SEO

● All Databases



Section Quarters

Oxy MLMU #139

County Lea	Unit Letter F	Section 6	Township 24S	Range 37E
----------------------	-------------------------	---------------------	------------------------	---------------------

Trend Map 150'

1

2

NW/NW None	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW * Unit Letter F	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

- * Location
- OCD
- USGS
- SEO
- All Databases

Laboratory Analytical Results Summary
MLMU #139

Analyte	Sample	SP1@17	SP1@2	SP1@3	SP1@5	SP1@7	SP1@9	SP1@10
	Date	2/1/14	2/1/14	2/1/14	2/1/14	2/1/14	2/1/14	2/1/14
	Method	mg/Kg						
Benzene	BTEX 8021B	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B	1070	1090	1520	1020	2290	400	128
GRO	TPH 8015M	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M	14.5	355	n/a	n/a	n/a	n/a	n/a

February 19, 2014

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

RE: MLMU #139

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 8:25.

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.

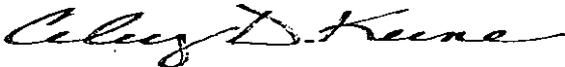
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 02/12/2014
 Reported: 02/19/2014
 Project Name: MLMU #139
 Project Number: NONE GIVEN
 Project Location: JAL, NM

 Sampling Date: 02/11/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400421-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84		
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05		
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06		
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90		
Total BTEX	<0.300	0.300	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.9 % 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	1070	16.0	02/14/2014	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	02/13/2014	ND	198	98.9	200	12.2		
DRO >C10-C28	14.5	10.0	02/13/2014	ND	195	97.5	200	9.27		

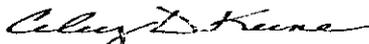
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Caley 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: 02/12/2014
 Reported: 02/19/2014
 Project Name: MLMU #139
 Project Number: NONE GIVEN
 Project Location: JAL, NM

 Sampling Date: 02/11/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H400421-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84		
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05		
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06		
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90		
Total BTEX	<0.300	0.300	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.2 % 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	1090	16.0	02/14/2014	ND	416	104	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	02/13/2014	ND	198	98.9	200	12.2		
DRO >C10-C28	355	10.0	02/13/2014	ND	195	97.5	200	9.27		

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

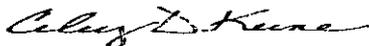
Sample ID: SP 1 @ 3' (H400421-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	02/14/2014	ND	416	104	400	3.92		

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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 5' (H400421-04)

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	02/14/2014	ND	416	104	400	3.92		

Sample ID: SP 1 @ 7' (H400421-05)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2290	16.0	02/14/2014	ND	416	104	400	3.92		

Sample ID: SP 1 @ 9' (H400421-06)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/14/2014	ND	416	104	400	3.92		

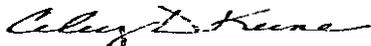
Sample ID: SP 1 @ 10' (H400421-07)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/14/2014	ND	416	104	400	3.92		

Cardinal Laboratories

* = Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

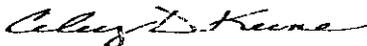
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

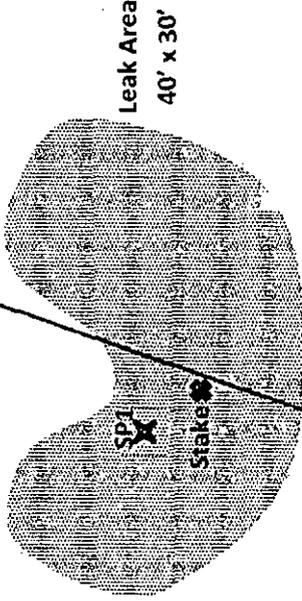


Oxy
MLMU #139

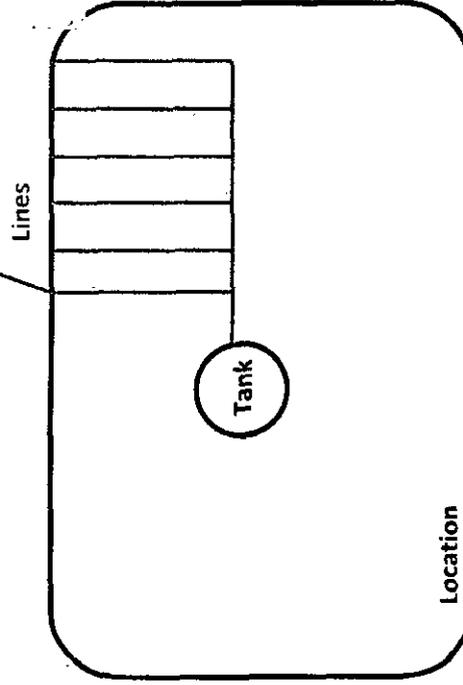
HOBBS OCD

MAR 08 2014

RECEIVED



TAKE A TPH @ 7.5'
JUST TO VERIFY
TPH REMAINING
BELOW NRAL



U/L F, Section 6, T24S, R37E
1980' FNL, 1980' FWL
Lea County, NM
GPS at stake: N 32.25274° W 103.20142°
API# 30-025-11020

BBC International, Inc.	
Oxy	
MLMU #139	
Date: 02/04/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014



Groundwater Plot

Oxy MLMU #139

County
Lea

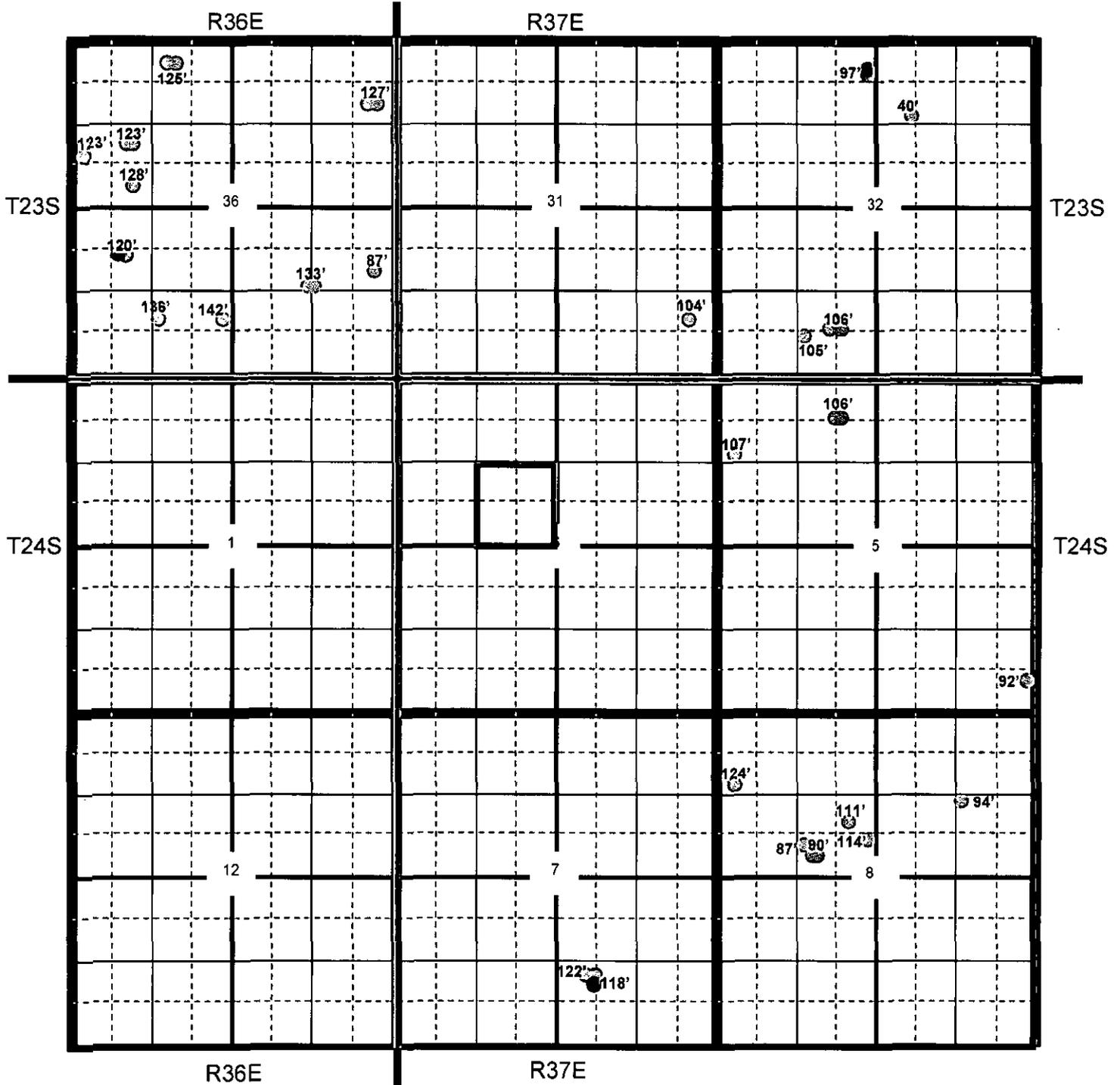
Unit Letter
F

Section
6

Township
24S

Range
37E

Trend Map 150' *actually approximately 125'. JRL/L 3/10/14*



⊛ Location

● OCD

● USGS

⊙ SEO

● All Databases



Section Quarters

Oxy MLMU #139

County Lea	Unit Letter F	Section 6	Township 24S	Range 37E
----------------------	-------------------------	---------------------	------------------------	---------------------

Trend Map 150' *actually approximately 125'*. SRL 3110114

1

2

NW/NW None	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW * Unit Letter F	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

* Location ● OCD ● USGS ● SEO ● All Databases

February 19, 2014

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

RE: MLMU #139

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 8:25.

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.

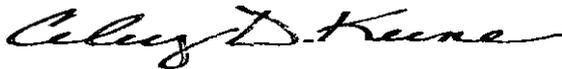
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Laboratory Analytical Results Summary
MLMU #139

Analyte	Method	Sample		SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'	SP1 @ 10'
		Date		mg/Kg						
Benzene	BTEX 8021B			<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B			<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B			<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B			<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B			<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500C-B			1070	1090	1520	1020	2290	400	128
GRO	TPH 8015M			<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M			14.5	355	n/a	n/a	n/a	n/a	n/a

Analytical Results For:

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

Received:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 1' (H400421-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84		
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05		
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06		
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90		
Total BTEX	<0.300	0.300	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.9 % 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	1070	16.0	02/14/2014	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	02/13/2014	ND	198	98.9	200	12.2		
DRO >C10-C28	14.5	10.0	02/13/2014	ND	195	97.5	200	9.27		

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

Cardinal Laboratories

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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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 2' (H400421-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84		
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05		
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06		
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90		
Total BTEX	<0.300	0.300	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.2 % 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	1090	16.0	02/14/2014	ND	416	104	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	02/13/2014	ND	198	98.9	200	12.2		
DRO >C10-C28	355	10.0	02/13/2014	ND	195	97.5	200	9.27		

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

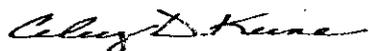
Sample ID: SP 1 @ 3' (H400421-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	02/14/2014	ND	416	104	400	3.92		

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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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 5' (H400421-04)

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	02/14/2014	ND	416	104	400	3.92		

Sample ID: SP 1 @ 7' (H400421-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2290	16.0	02/14/2014	ND	416	104	400	3.92		

Sample ID: SP 1 @ 9' (H400421-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/14/2014	ND	416	104	400	3.92		

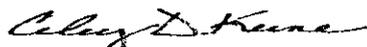
Sample ID: SP 1 @ 10' (H400421-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/14/2014	ND	416	104	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager

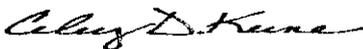
Notes and Definitions

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 SM4500C-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:

Project Manager: Cliff Brunson Company:

Address: P.O. Box 805 State: NM Zip: 88241 Attn:

City: Hobbs State: NM Zip: 88241 Address:

Phone #: 575-397-6388 Fax #: 575-397-0397 City: *Lasalle*

Project #: Project Owner: *Oxy* State: Zip:

Project Name: *Mlynn-139* Phone #:

Project Location: *Lasalle* Fax #:

Sampler Name: *W. Ombki*

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:					
14420421	SP101		1							2-11	1100	X	X	X
	02		1	X							1119	X	X	X
	03		1	X							1141	X	X	X
	05		1	X							125	X	X	X
	07		1	X							159	X	X	X
	09		1	X							241	X	X	X
	010		1	X							330	X	X	X

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Relinquished By: *[Signature]* Date: *2-12-14* Time: *8:25* Received By: *[Signature]*

Delivered By: (Circle One) Sampler - UPS - Bus - Other: *4.602*

Sample Condition: Cool Intact Pres Yes No

Checked By: *[Signature]*

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

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

#54

