

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

HOBBS OCD

AUG 06 2014

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

RECEIVED

Form C-141
Revised August 8, 2011

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	Madera 35 Federal #1H	Facility Type	Well location

Surface Owner	Mineral Owner	API No.	30-025-41083
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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
D	35	26S	34E	400	North	329	West	Lea County, NM

Latitude N 32.00601° Longitude W 103.44820°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	50 bbls	Volume Recovered	30 bbls
Source of Release	Frac tank overflow	Date and Hour of Occurrence	11/12/13	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- BLM		
By Whom?	Chancey Summers	Date and Hour	11/12/13 @ 3:00 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.*

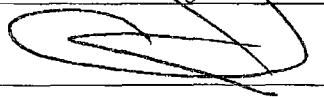
Describe Cause of Problem and Remedial Action Taken.*

A frac tank overflowed causing 50 bbls of oil to leak onto the ground. 30 bbls of oil were recovered via vacuum truck.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 100' x 5' on location. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 02/26/2014 and approved by Jennifer Van Curen of the BLM via email on 02/27/2014

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 Advisor			Approval Date:	8-7-19
E-mail Address:	Chancey.Summers@oxy.com			Expiration Date:	
Date:	7-31-14			Conditions of Approval:	
Phone:	(575) 397-8216			Attached	<input type="checkbox"/>

* Attach Additional Sheets If Necessary

IRP-3217

AUG 08 2014

Og rid 16896

h701421 955939

p701421 956071

Closure Report

Site Description		HOBBS OCD
Site Name:	Madera 35 Federal #1H	
Company:	Oxy Permian Ltd.	AUG 06 2014
Legal Description:	U/L D, Section 35, T26S, R34E	
County:	Lea County, NM	RECEIVED
GPS Coordinates:	N 32.00601° W 103.44820°	

Release Data	
Date of Release:	11/12/2013
Type of Release:	Oil
Source of Release:	Frac tank overflow
Volume of Release:	50 bbls
Volume Recovered:	30 bbls

Remediation Specifications	
Remediation Parameters:	Excavate to a depth of 2.5 feet in the area of SP1. Excavate to a depth of 1.5 feet in the area of SP2. Surface scrape the areas of SP3, SP4, and SP5. Backfill the excavated areas with clean soil.
Remediation Activities:	06/26/2014 and 07/23/2014

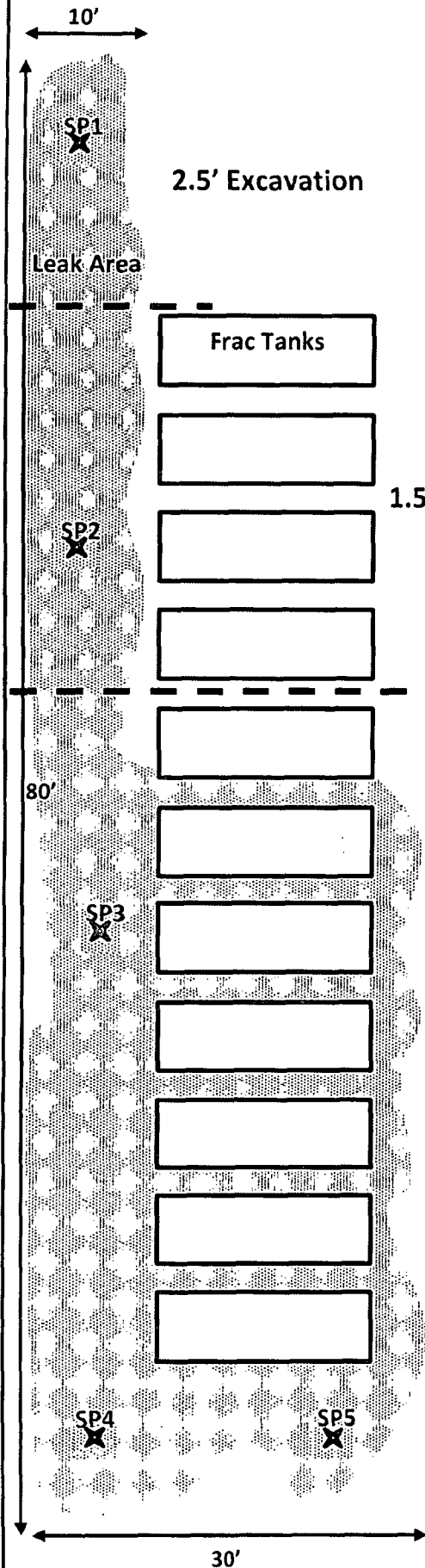
Plan Sent to OCD:	02/24/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	02/26/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	02/24/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	02/24/2014	Email from J. Van Curen to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 11/25/2013
Final C-141	Signed 07/31/2014
Site Diagram	January 2014
Groundwater Plot	125'
TOPO Maps	January 2014
Lab Summary	01/27/2014
Lab Analysis	01/27/2014
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.	08/04/2014

Oxy

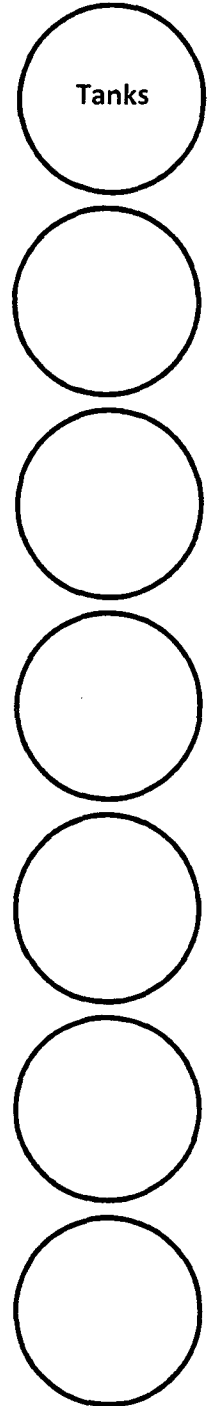
Madera 35 Federal #1H



1.5' Excavation



Surface Scrape



U/L D, Section 35, T26S, R34E
400' FNL, 329' FWL
Lea County, NM
N 32.00601° W 103.44820°
API# 30-025-41083

BBC International, Inc.	
Oxy	
Madera 35 Federal #1H	
Date: 01//30/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Groundwater Plot

Oxy Madera 35 Federal #1H

County
Lea

Unit Letter
D

Section
35

Township
26S

Range
34E

Trend Map 125'

R34E

None found

27

26

25

T26S

T26S



34

35

36

T27S

T27S

3

2

1

R34E

★ Location

○ OCD

○ USGS

○ SEO

● All Databases

Oxy Madera 35 Federal #1H

County Lea Unit Letter D Section 35 Township 26S Range 34E

Trend Map 125'

1

2

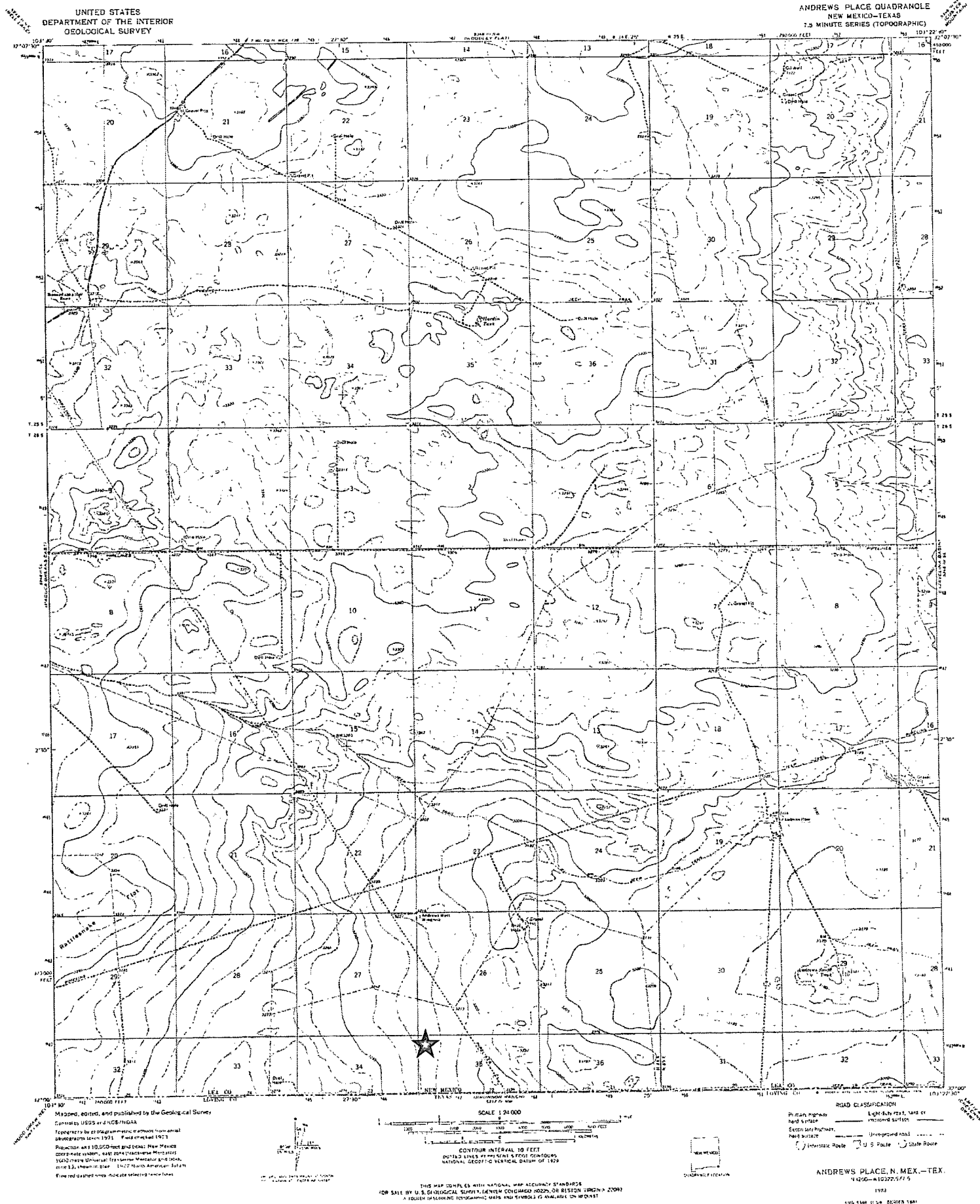
<p>NW/NW</p> <p>☼</p> <p>Unit Letter D</p>	<p>NE/NW</p> <p>Unit Letter C</p>	<p>NW/NE</p> <p>None found</p> <p>Unit Letter B</p>	<p>NE/NE</p> <p>Unit Letter A</p>
<p>SW/NW</p> <p>Unit Letter E</p>	<p>SE/NW</p> <p>Unit Letter F</p>	<p>SW/NE</p> <p>Unit Letter G</p>	<p>SE/NE</p> <p>Unit Letter H</p>
<p>NW/SW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

3

4

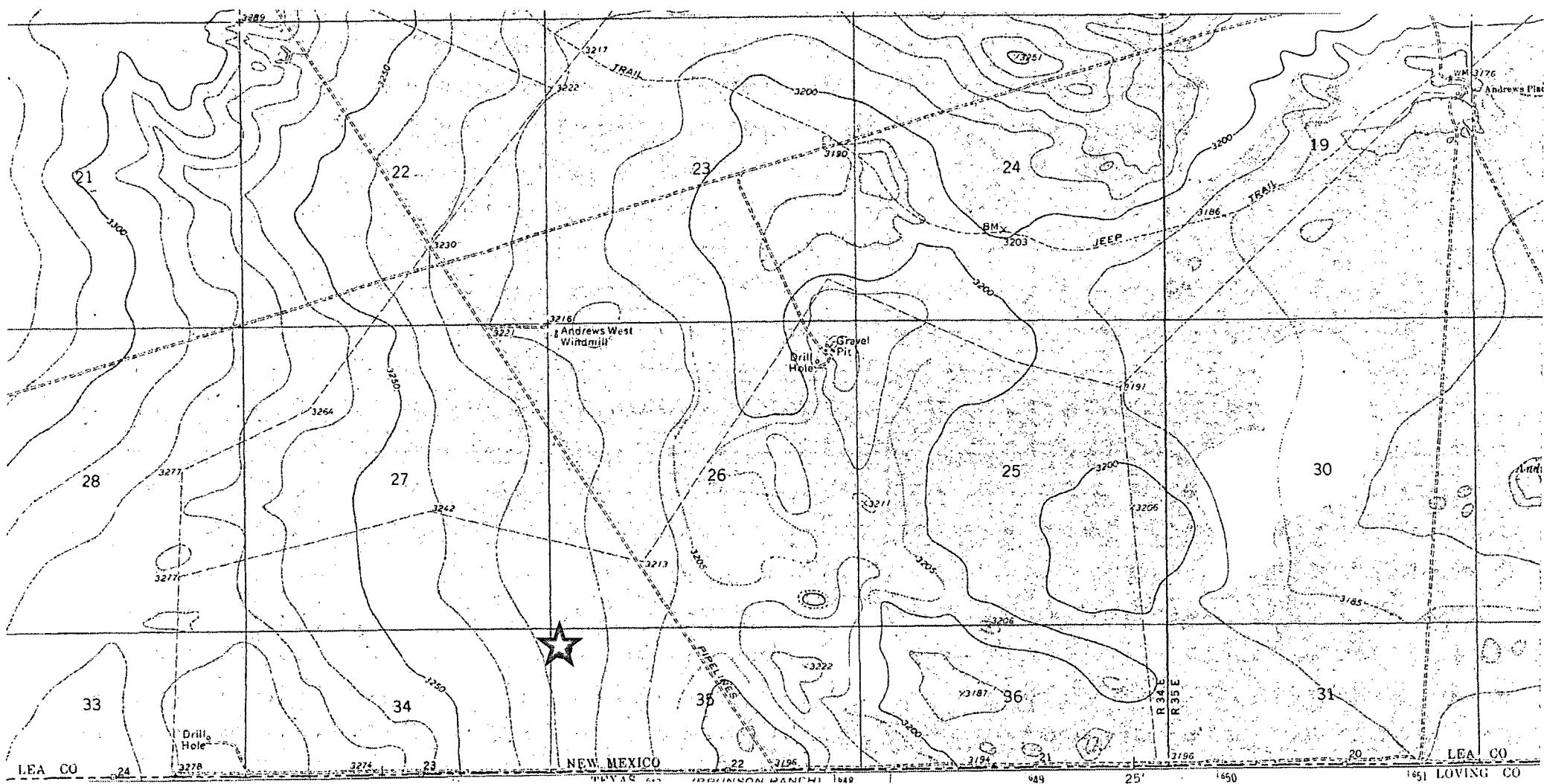
Oxy

Madera 35 Federal #1H



Oxy

Madera 35 Federal #1H



Laboratory Analytical Results Summary
Madera 35-1

		Sample	SP1 @ SURFACE	SP1 @ 2'	SP1 @ 4'
Analyte	Method	Date	1/27/14	1/27/14	1/27/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<2.00	<0.050
Toluene	BTEX 8021B		10.3	6.02	<0.050
Ethylbenzene	BTEX 8021B		15.7	7	<0.050
Total Xylenes	BTEX 8021B		92.7	37.2	<0.150
Total BTEX	BTEX 8021B		119	50.3	<0.300
Chloride	SM4500Cl-B		N/A	N/A	64
GRO	TPH 8015M		3330	1630	<10.0
DRO	TPH 8015M		9980	4800	13.7

		Sample	SP4 @ 1
Analyte	Method	Date	1/27/14
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		,0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP2 @ 1	SP2 @ 2'
Analyte	Method	Date	1/27/14	1/27/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<5.00	<0.050
Toluene	BTEX 8021B		31.8	<0.050
Ethylbenzene	BTEX 8021B		19.3	<0.050
Total Xylenes	BTEX 8021B		133	,0.150
Total BTEX	BTEX 8021B		184	<0.300
Chloride	SM4500Cl-B		N/A	64
GRO	TPH 8015M		4280	<10.0
DRO	TPH 8015M		9280	14.7

		Sample	SP5 @ 1	SP5 @ 2'
Analyte	Method	Date	1/27/14	1/27/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		,0.150	,0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		N/A	32
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP3 @ 1	SP3 @ 2'
Analyte	Method	Date	1/27/14	1/27/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		,0.150	,0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		80	48
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

February 07, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MADERA 35-1

Enclosed are the results of analyses for samples received by the laboratory on 01/30/14 15:07.

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,



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: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ SURFACE (H400306-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	02/05/2014	ND	2.54	127	2.00	0.915	
Toluene*	10.3	2.00	02/05/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	15.7	2.00	02/05/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	92.7	6.00	02/05/2014	ND	7.18	120	6.00	0.427	
Total BTEX	119	12.0	02/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 172 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3330	10.0	02/01/2014	ND	214	107	200	2.00	
DRO >C10-C28	9980	10.0	02/01/2014	ND	214	107	200	2.09	

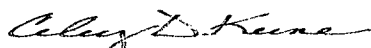
Surrogate: 1-Chlorooctane 262 % 65.2-140

Surrogate: 1-Chlorooctadecane 226 % 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: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 2 FT (H400306-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<2.00	2.00	02/05/2014	ND	2.54	127	2.00	0.915		
Toluene*	6.02	2.00	02/05/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	7.00	2.00	02/05/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	37.2	6.00	02/05/2014	ND	7.18	120	6.00	0.427		
Total BTEX	50.3	12.0	02/05/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 132 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1630	10.0	02/03/2014	ND	215	107	200	4.28		
DRO >C10-C28	4800	10.0	02/03/2014	ND	210	105	200	2.91		

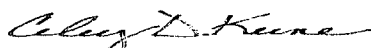
Surrogate: 1-Chlorooctane 179 % 65.2-140

Surrogate: 1-Chlorooctadecane 163 % 63.6-154

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*=Accredited Analyte

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Analytical Results For:

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

Received: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 4 FT (H400306-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.54	127	2.00	0.915		
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 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	64.0	16.0	02/07/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2014	ND	215	107	200	4.28	
DRO >C10-C28	13.7	10.0	02/04/2014	ND	210	105	200	2.91	

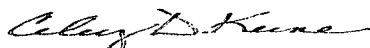
Surrogate: 1-Chlorooctane 99.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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

Received: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 1 FT (H400306-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<5.00	5.00	02/06/2014	ND	2.54	127	2.00	0.915		
Toluene*	31.8	5.00	02/06/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	19.3	5.00	02/06/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	133	15.0	02/06/2014	ND	7.18	120	6.00	0.427		
Total BTEX	184	30.0	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4280	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	9280	10.0	02/03/2014	ND	210	105	200	2.91	

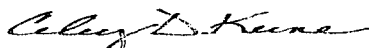
Surrogate: 1-Chlorooctane 426 % 65.2-140

Surrogate: 1-Chlorooctadecane 407 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

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

Received: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 2 FT (H400306-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.54	127	2.00	0.915		
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 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	64.0	16.0	02/07/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2014	ND	215	107	200	4.28	
DRO >C10-C28	14.7	10.0	02/04/2014	ND	210	105	200	2.91	

Surrogate: 1-Chlorooctane 79.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.6 % 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: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 1 FT (H400306-06)

BTX 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	02/06/2014	ND	2.54	127	2.00	0.915	
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427	
Total BTX	<0.300	0.300	02/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 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	80.0	16.0	02/07/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91	

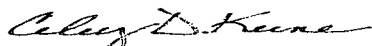
Surrogate: 1-Chlorooctane 94.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.5 % 63.6-154

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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: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 2 FT (H400306-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.54	127	2.00	0.915		
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 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	48.0	16.0	02/06/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91	

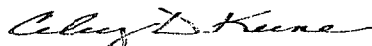
Surrogate: 1-Chlorooctane 98.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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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: 01/30/2014
 Reported: 02/07/2014
 Project Name: MADERA 35-1
 Project Number: NONE GIVEN
 Project Location: 62/180 MM 72

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 @ 1 FT (H400306-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2014	ND	2.54	127	2.00	0.915	
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427	
Total BTEX	<0.300	0.300	02/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	48.0	16.0	02/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91	

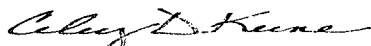
Surrogate: 1-Chlorooctane 99.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 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: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 1 FT (H400306-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.42	121	2.00	1.65		
Toluene*	<0.050	0.050	02/06/2014	ND	2.37	119	2.00	1.64		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.38	119	2.00	1.10		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.89	115	6.00	0.798		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 89.4-126

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	02/03/2014	ND	215	107	200	4.28		
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91		


Surrogate: 1-Chlorooctane 90.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.6 % 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: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 2 FT (H400306-10)

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	02/06/2014	ND	2.42	121	2.00	1.65	
Toluene*	<0.050	0.050	02/06/2014	ND	2.37	119	2.00	1.64	
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.38	119	2.00	1.10	
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.89	115	6.00	0.798	
Total BTEX	<0.300	0.300	02/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 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	32.0	16.0	02/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91	

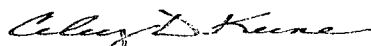
Surrogate: 1-Chlorooctane 98.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.4 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

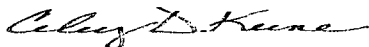
Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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

Page 13 of 13

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:															
Address: P.O. Box 805				Company:															
City: Hobbs		State: NM Zip: 88241		Attn: SAME															
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:															
Project #:		Project Owner: Oxy		City:															
Project Name: Madera 35-1				State: Zip: E															
Project Location: 62180 MN 72				Phone #:															
Sampler Name: Cory Rod				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING							
								GROUNDWATER											
								WASTEWATER											
								SOIL											
								OIL											
								SLUDGE											
								OTHER:											
								ACID/BASE:											
								ICE / COOL											
								OTHER:											
								DATE		TIME									
H4DD3DB																			
1 Sp1 @ Surface		G																	
2 Sp1 @ 2ft		G																	
3 Sp1 @ 4ft		G																	
4 Sp2 @ 1ft		G																	
5 Sp2 @ 2ft		G																	
6 Sp3 @ 1ft		G																	
7 Sp3 @ 2ft		G																	
8 Sp4 @ 1ft		G																	
9 Sp5 @ 1ft		G																	
10 Sp5 @ 2ft		G																	

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Relinquished By: Gary Rod		Date: 1/29/14		Received By: Jennifer Gilkey		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 2:50				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: Jennifer Gilkey		Date: 1/30/14		Received By: Jodi Benson		REMARKS:			
		Time: 3:07							
Delivered By: (Circle One)									
Sampler - UPS - Bus - Other:		1.62		Sample Condition		CHECKED BY: CH			
				Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			

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

#54

Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Wednesday, February 26, 2014 3:24 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Madera 35 Federal #1H-Remediation Plan

Cliff

Per your submittal and our conversation of 2/21/14, the path forward provided in the email below 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, February 24, 2014 10:02 AM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Madera 35 Federal #1H-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on February 21, 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 2.5 feet in the area of SP1 as depicted on the site diagram, then in the area of SP2, the excavation will be 1.5 feet deep, and finally, the rest of the spill area (SP3, SP4, SP5) will be surface scraped. 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
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Monday, February 24, 2014 10:09 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY-Madera 35 Fed #1H-Remediation Plan

CJ,

This plan is approved.

IR is planned 80' on west, 50' on north, and 30' on east. If this has not been completed, I would like to address it at same time. 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 Mon, Feb 24, 2014 at 9:57 AM, 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 Geoff Leking of the NMOCD. Oxy will excavate to a depth of 2.5 feet in the area of SP1 as depicted on the site diagram, then in the area of SP2, the excavation will be 1.5 feet deep, and finally, the rest of the spill area (SP3, SP4, SP5) will be surface scraped. The area will then be backfilled with clean soil.

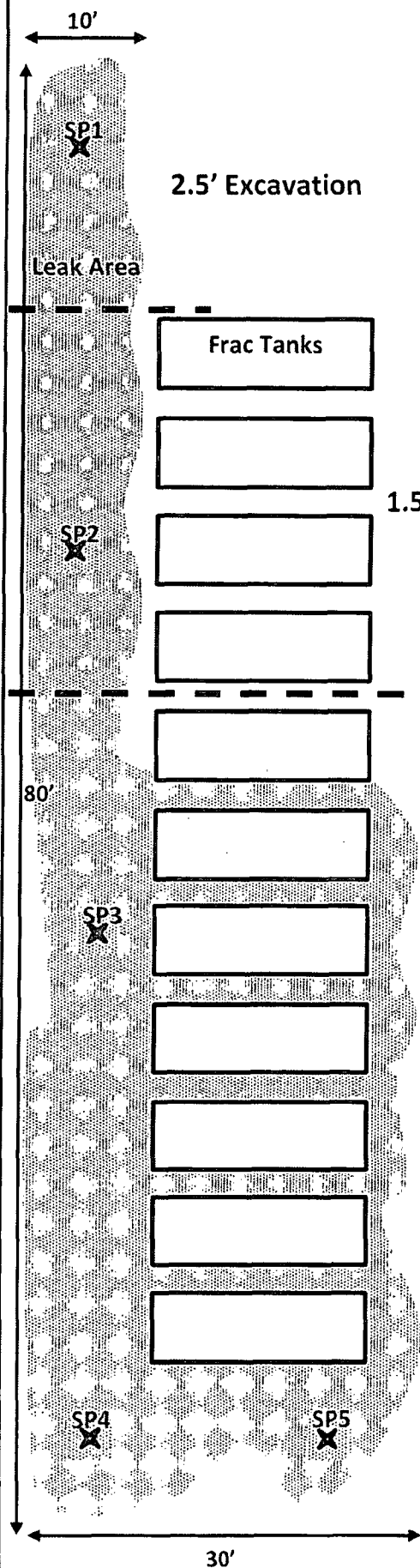
If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

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

Oxy

Madera 35 Federal #1H

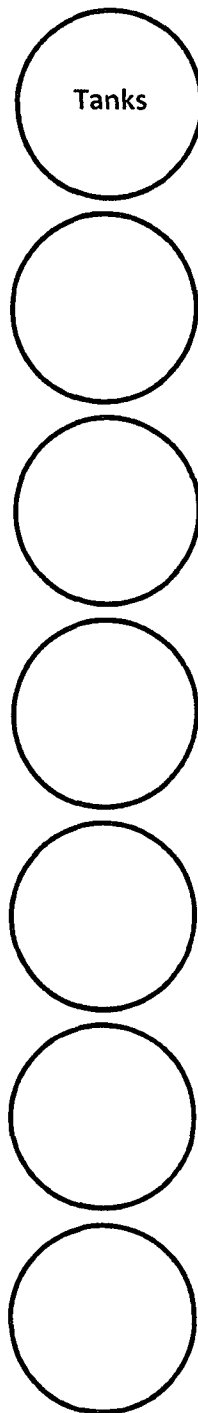


1.5' Excavation



*Attachment:
Remediation
Packet*

U/L D, Section 35, T26S, R34E
400' FNL, 329' FWL
Lea County, NM
N 32.00601° W 103.44820°
API# 30-025-41083



BBC International, Inc.

Oxy

Madera 35 Federal #1H

Date: 01//30/2014

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Madera 35 Federal #1H

County
Lea

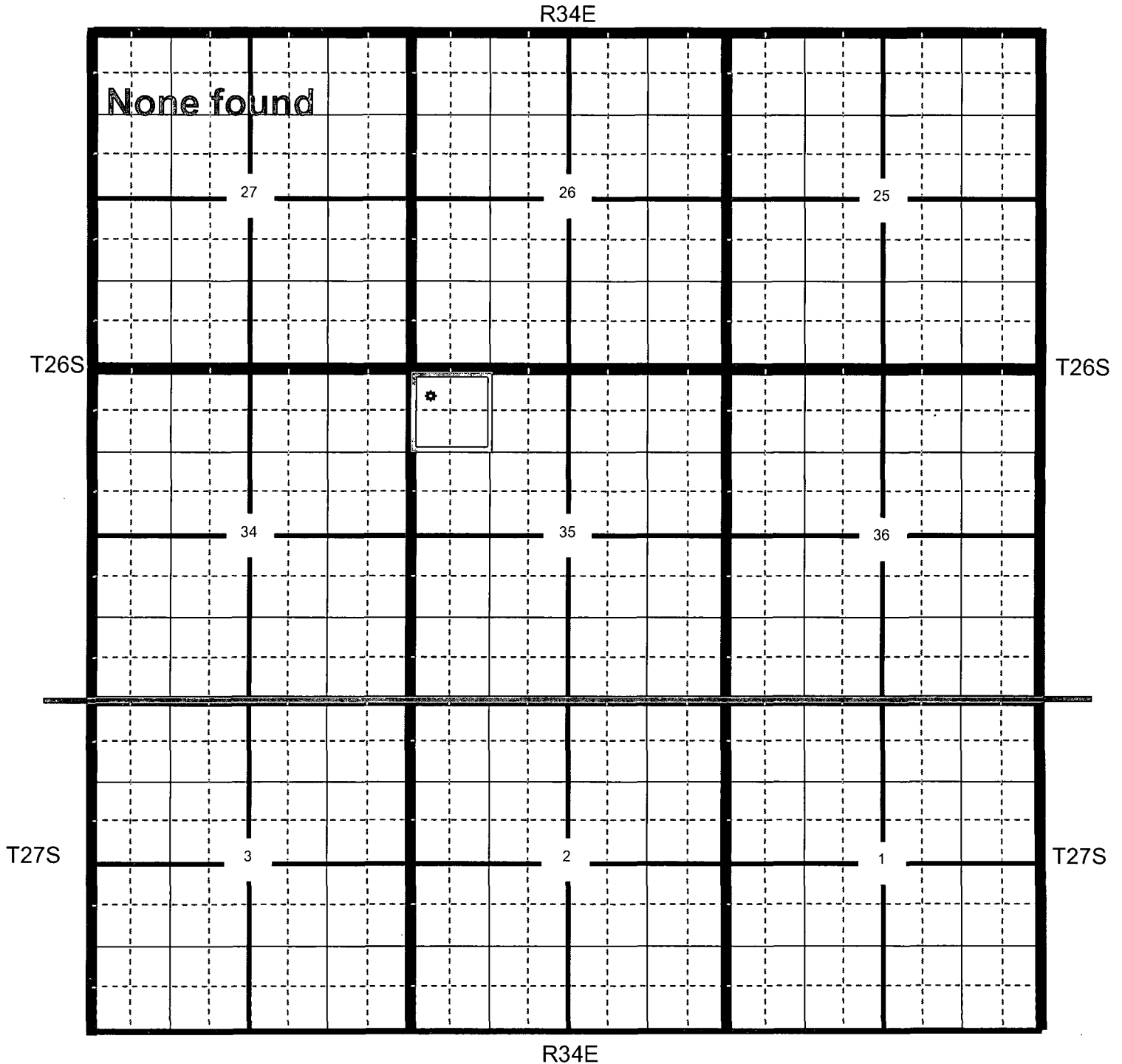
Unit Letter
D

Section
35

Township
26S

Range
34E

Trend Map 125'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters

Oxy Madera 35 Federal #1H

County	Unit Letter	Section	Township	Range
Lea	D	35	26S	34E

Trend Map 125'

1

2

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

3

4

✱ Location ○ OCD ○ USGS ○ SEO ● All Databases

Laboratory Analytical Results Summary
Madera 35-1

		Sample	SP1 @ SURFACE	SP1 @ 2'	SP1 @ 4'
Analyte	Method	Date	1/27/14	1/27/14	1/27/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<2.00	<0.050
Toluene	BTEX 8021B		10.3	6.02	<0.050
Ethylbenzene	BTEX 8021B		15.7	7	<0.050
Total Xylenes	BTEX 8021B		92.7	37.2	<0.150
Total BTEX	BTEX 8021B		119	50.3	<0.300
Chloride	SM4500CI-B		N/A	N/A	64
GRO	TPH 8015M		3330	1630	<10.0
DRO	TPH 8015M		9980	4800	13.7

		Sample	SP2 @ 1	SP2 @ 2'
Analyte	Method	Date	1/27/14	1/27/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<5.00	<0.050
Toluene	BTEX 8021B		31.8	<0.050
Ethylbenzene	BTEX 8021B		19.3	<0.050
Total Xylenes	BTEX 8021B		133	,0.150
Total BTEX	BTEX 8021B		184	<0.300
Chloride	SM4500CI-B		N/A	64
GRO	TPH 8015M		4280	<10.0
DRO	TPH 8015M		9280	14.7

		Sample	SP3 @ 1	SP3 @ 2'
Analyte	Method	Date	1/27/14	1/27/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		,0.150	,0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		80	48
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP4 @ 1
Analyte	Method	Date	1/27/14
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		,0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500CI-B		48
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP5 @ 1	SP5 @ 2'
Analyte	Method	Date	1/27/14	1/27/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		,0.150	,0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		N/A	32
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

February 07, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MADERA 35-1

Enclosed are the results of analyses for samples received by the laboratory on 01/30/14 15:07.

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/ga/lab_accred_certif.html.

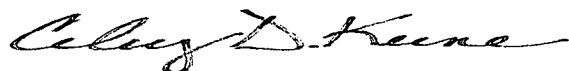
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



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: 01/30/2014
 Reported: 02/07/2014
 Project Name: MADERA 35-1
 Project Number: NONE GIVEN
 Project Location: 62/180 MM 72

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP1 @ SURFACE (H400306-01)

BTEX 8021B		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<2.00	2.00	02/05/2014	ND	2.54	127	2.00	0.915		
Toluene*	10.3	2.00	02/05/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	15.7	2.00	02/05/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	92.7	6.00	02/05/2014	ND	7.18	120	6.00	0.427		
Total BTEX	119	12.0	02/05/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 172 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3330	10.0	02/01/2014	ND	214	107	200	2.00		
DRO >C10-C28	9980	10.0	02/01/2014	ND	214	107	200	2.09		

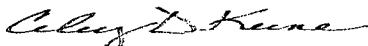
Surrogate: 1-Chlorooctane 262 % 65.2-140

Surrogate: 1-Chlorooctadecane 226 % 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: 01/30/2014
 Reported: 02/07/2014
 Project Name: MADERA 35-1
 Project Number: NONE GIVEN
 Project Location: 62/180 MM 72

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP1 @ 2 FT (H400306-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	02/05/2014	ND	2.54	127	2.00	0.915	
Toluene*	6.02	2.00	02/05/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	7.00	2.00	02/05/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	37.2	6.00	02/05/2014	ND	7.18	120	6.00	0.427	
Total BTEX	50.3	12.0	02/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 132 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1630	10.0	02/03/2014	ND	215	107	200	4.28		
DRO >C10-C28	4800	10.0	02/03/2014	ND	210	105	200	2.91		


Surrogate: 1-Chlorooctane 179 % 65.2-140

Surrogate: 1-Chlorooctadecane 163 % 63.6-154

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

Received: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 4 FT (H400306-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2014	ND	2.54	127	2.00	0.915	
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427	
Total BTEX	<0.300	0.300	02/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 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	64.0	16.0	02/07/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2014	ND	215	107	200	4.28	
DRO >C10-C28	13.7	10.0	02/04/2014	ND	210	105	200	2.91	

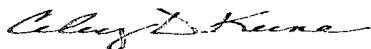
Surrogate: 1-Chlorooctane 99.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.1 % 63.6-154

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Analytical Results For:

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

Received: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 1 FT (H400306-04)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	02/06/2014	ND	2.54	127	2.00	0.915	
Toluene*	31.8	5.00	02/06/2014	ND	2.49	125	2.00	0.516	
Ethylbenzene*	19.3	5.00	02/06/2014	ND	2.49	124	2.00	0.462	
Total Xylenes*	133	15.0	02/06/2014	ND	7.18	120	6.00	0.427	
Total BTEX	184	30.0	02/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 132 % 89.4-126

TPH 8015M		mg/kg	Analyzed By: ms					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4280	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	9280	10.0	02/03/2014	ND	210	105	200	2.91	


Surrogate: 1-Chlorooctane 426 % 65.2-140

Surrogate: 1-Chlorooctadecane 407 % 63.6-154

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Received: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 2 FT (H400306-05)

BTX 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	02/06/2014	ND	2.54	127	2.00	0.915		
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427		
Total BTX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 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	64.0	16.0	02/07/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms					

Surrogate: 1-Chlorooctane 79.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.6 % 63.6-154

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Analytical Results For:

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

Received: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 1 FT (H400306-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.54	127	2.00	0.915		
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 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	80.0	16.0	02/07/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91	

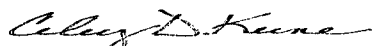
Surrogate: 1-Chlorooctane 94.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.5 % 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: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 2 FT (H400306-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.54	127	2.00	0.915		
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	48.0	16.0	02/06/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: ms						

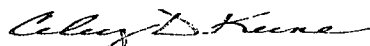
Surrogate: 1-Chlorooctane 98.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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

Received: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 1 FT (H400306-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.54	127	2.00	0.915		
Toluene*	<0.050	0.050	02/06/2014	ND	2.49	125	2.00	0.516		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.49	124	2.00	0.462		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	7.18	120	6.00	0.427		
Total BTEx	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 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	48.0	16.0	02/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91	

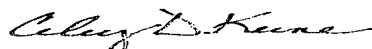
Surrogate: 1-Chlorooctane 99.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 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: 01/30/2014
Reported: 02/07/2014
Project Name: MADERA 35-1
Project Number: NONE GIVEN
Project Location: 62/180 MM 72

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 1 FT (H400306-09)

BTX 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	02/06/2014	ND	2.42	121	2.00	1.65		
Toluene*	<0.050	0.050	02/06/2014	ND	2.37	119	2.00	1.64		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.38	119	2.00	1.10		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.89	115	6.00	0.798		
Total BTX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 114 % 89.4-126

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	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91	

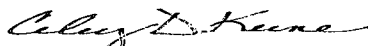
Surrogate: 1-Chlorooctane 90.6 % 63.2-140

Surrogate: 1-Chlorooctadecane 92.6 % 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: 01/30/2014
 Reported: 02/07/2014
 Project Name: MADERA 35-1
 Project Number: NONE GIVEN
 Project Location: 62/180 MM 72

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP5 @ 2 FT (H400306-10)

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	02/06/2014	ND	2.42	121	2.00	1.65		
Toluene*	<0.050	0.050	02/06/2014	ND	2.37	119	2.00	1.64		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.38	119	2.00	1.10		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.89	115	6.00	0.798		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 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	32.0	16.0	02/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/03/2014	ND	215	107	200	4.28	
DRO >C10-C28	<10.0	10.0	02/03/2014	ND	210	105	200	2.91	

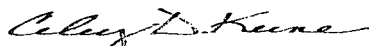
Surrogate: 1-Chlorooctane 98.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

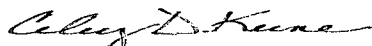
Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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

Page 13 of 13

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: Modera 35-1 Project Location: 62450 MN 72 Sampler Name: Gary Rags				BILL TO		ANALYSIS REQUEST																					
				P.O. #: Company: Attn: SAME Address: City: State: Zip: E Phone #: Fax #:																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
															TPH	BTEX	CL-										
	H4D0306	1 Sp1 @ Surface	G			X				X			1/27/14	1:30	X	X											
		2 Sp1 @ 2ft	G			X				X			1/27/14	2:00	X	X											
		3 Sp1 @ 4ft	G			X				X			1/27/14	2:40	X	X	X										
		4 Sp2 @ 1ft	G			X				X			1/27/14	3:15	X	X											
		5 Sp2 @ 2ft	G			X				X			1/27/14	3:30	X	X	X										
		6 Sp3 @ 1ft	G			X				X			1/27/14	10:20	X	X	X										
		7 Sp3 @ 2ft	G			X				X			1/27/14	10:35	X	X	X										
		8 Sp4 @ 1ft	G			X				X			1/27/14	11:23	X	X	X										
		9 Sp5 @ 1ft	G			X				X			1/27/14	1:40	X	X											
		10 Sp5 @ 2ft	G			X				X			1/27/14	2:10	X	X	X										

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Relinquished By: Gary Rags	Date: 1/29/14	Received By: Jennifer Gilkey	Time: 2:50	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: Jennifer Gilkey	Date: 1/30/14	Received By: Jodi Benson	Time: 3:07	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.60				REMARKS:	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: Initials: <i>GA</i>	

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

#54

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	Madera 35 Federal #1H	Facility Type	Well location
Surface Owner	Mineral Owner	API No. 30-025-41083	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	35	26S	34E	400	North	329	West	Lea County, NM

Latitude N 32.00601° Longitude W 103.44820°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	50 bbls	Volume Recovered	30 bbls
Source of Release	Frac tank overflow	Date and Hour of Occurrence	11/12/13	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- BLM		
By Whom?	Chancey Summers	Date and Hour	11/12/13 @ 3:00 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 frac tank overflowed causing 50 bbls of oil to leak onto the ground. 30 bbls of oil were recovered via vacuum truck.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 100' x 5' on 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: 		OIL CONSERVATION DIVISION			
Printed Name: Chancey Summers		Approved by Environmental Specialist:			
Title: HES Specialist		Approval Date:		Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: <u>11/25/13</u>		Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary