

**RECEIVED**

By JKeyes at 9:44 am, Mar 17, 2016

PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88240-0805  
E-MAIL: cbrunson@bbcinternational.com**APPROVED**

## OXY – SOUTH MATTIX YESO SATELLITE

### REMEDIATION PLAN

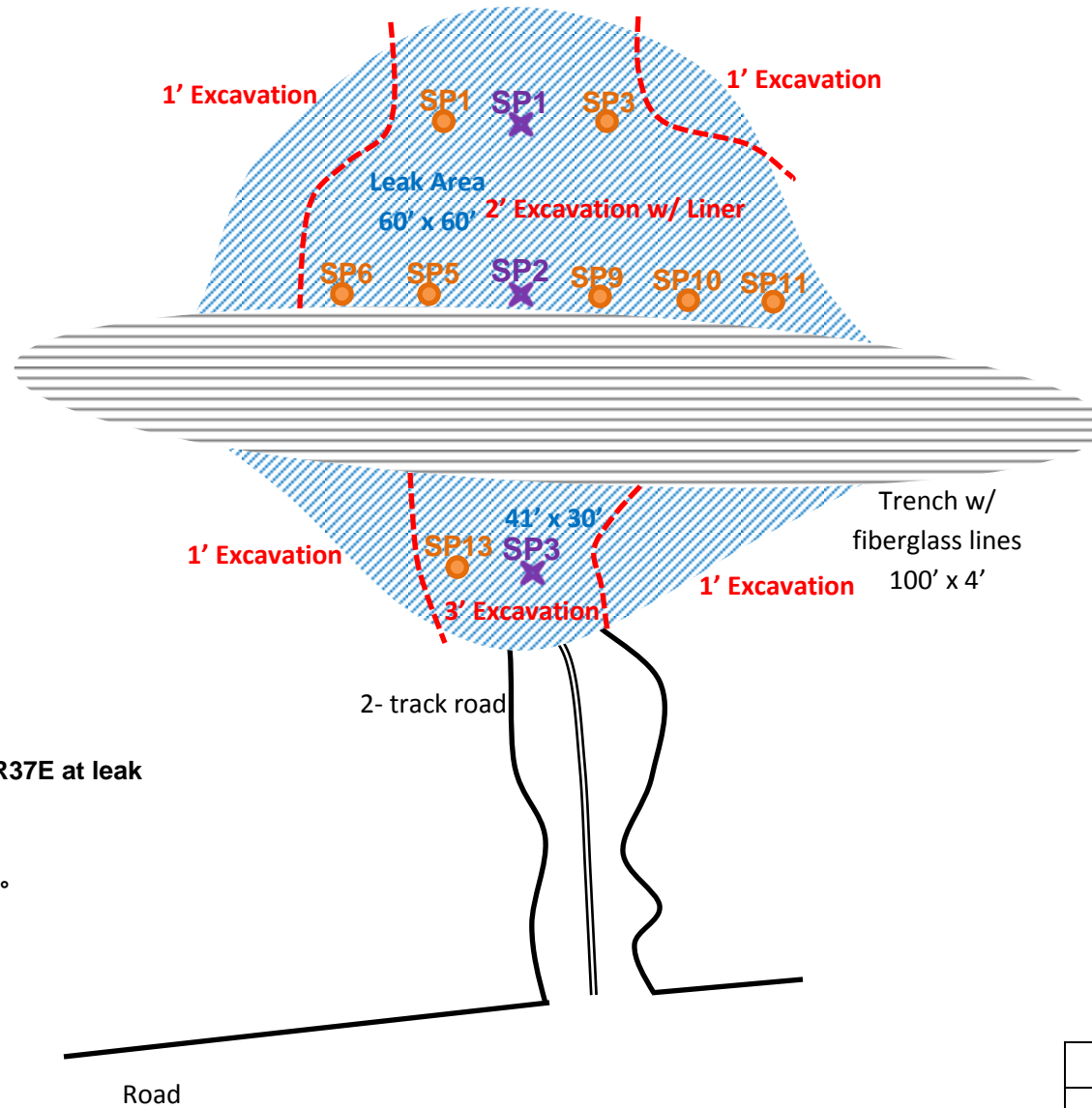
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OXY will excavate the spill area as depicted on the following site diagram. The spill area near sample points SP1 and SP2 will be excavated to a depth of 2 feet with a liner then installed. In the area outside of SP1 and SP2 the area will be excavated to a depth of 1 foot. In the area of sample point SP3 will be excavated to a depth of 3 feet. In the area outside of SP3 the area will be excavated to a depth of 1 foot. The entire site will be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Oxy

## South Mattix Yeso Satellite



U/L O, Section 15, T24S, R37E at leak

Lea County, NM

N 32.21246° W 103.14967°

API# 30-025-21307

BBC International, Inc.

Oxy

South Mattix Yeso Satellite

Date: 10/28/2015

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2015

# Groundwater Plot

Oxy South Mattix Yeso Satellite

County  
Lea

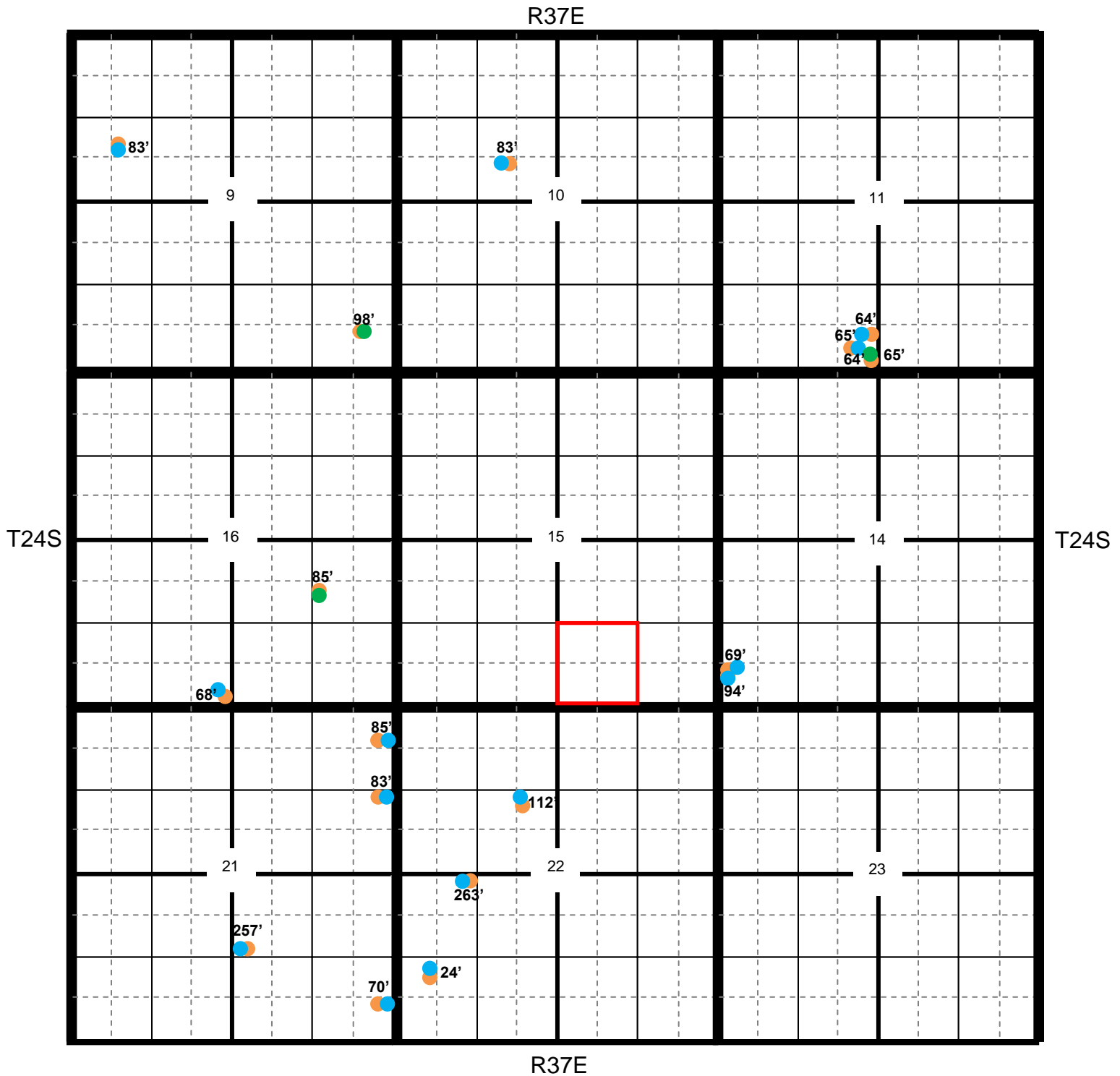
Unit Letter  
O

Section  
15

Township  
24S

Range  
37E

Trend Map 75'-100'



Location

OCD

USGS

SEO

All Databases

Section Quarters

Oxy South Mattix Yeso Satellite

County      Unit Letter      Section      Township      Range  
Lea          O          15          24S          37E

Trend Map    75'-100'

1

2

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

3

4

**Laboratory Analytical Results Summary  
South Mattix Yeso Satellite**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 8'
Analyte	Method	Date	11/9/15	11/20/15	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<b>0.611</b>	<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<b>1.31</b>	<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>6.22</b>	<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>8.15</b>	<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>304</b>	<b>2720</b>	<b>1960</b>	<b>384</b>	<16.0
<b>GRO</b>	TPH 8015M		<b>572</b>	<10.0	<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>8550</b>	<b>31.2</b>	<10.0	<b>43.9</b>	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 8'
Analyte	Method	Date	11/9/15	11/20/15	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<b>0.594</b>	<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<b>1.18</b>	<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>3.85</b>	<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>5.63</b>	<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>336</b>	<b>2560</b>	<b>2520</b>	<b>160</b>	<b>48</b>
<b>GRO</b>	TPH 8015M		<b>602</b>	<10.0	<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>7870</b>	<b>22.3</b>	<b>40.6</b>	<b>24.7</b>	<10.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	11/9/15	11/20/15	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<b>0.614</b>	<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<b>1.24</b>	<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>2.64</b>	<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>4.49</b>	<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>304</b>	<b>2640</b>	<b>464</b>	<b>272</b>	<16.0
<b>GRO</b>	TPH 8015M		<b>479</b>	<10.0	<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>7090</b>	<b>24.7</b>	<10.0	<b>34.2</b>	<10.0



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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November 17, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOUTH MATTIX YESO SAT.

Enclosed are the results of analyses for samples received by the laboratory on 11/11/15 16:10.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/17/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 1' (H502998-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/17/2015	ND	1.96	98.0	2.00	0.526	
<b>Toluene*</b>	<b>0.611</b>	0.500	11/17/2015	ND	2.22	111	2.00	0.925	
<b>Ethylbenzene*</b>	<b>1.31</b>	0.500	11/17/2015	ND	2.06	103	2.00	1.09	
<b>Total Xylenes*</b>	<b>6.22</b>	1.50	11/17/2015	ND	6.46	108	6.00	0.960	
<b>Total BTX</b>	<b>8.15</b>	3.00	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>304</b>	16.0	11/13/2015	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>572</b>	100	11/14/2015	ND	195	97.6	200	1.32		
<b>DRO &gt;C10-C28</b>	<b>8550</b>	100	11/14/2015	ND	195	97.7	200	1.13		

Surrogate: 1-Chlorooctane 122 % 35-147

Surrogate: 1-Chlorooctadecane 225 % 28-171

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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/17/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H502998-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/17/2015	ND	1.96	98.0	2.00	0.526	
<b>Toluene*</b>	<b>0.594</b>	0.500	11/17/2015	ND	2.22	111	2.00	0.925	
<b>Ethylbenzene*</b>	<b>1.18</b>	0.500	11/17/2015	ND	2.06	103	2.00	1.09	
<b>Total Xylenes*</b>	<b>3.85</b>	1.50	11/17/2015	ND	6.46	108	6.00	0.960	
<b>Total BTEX</b>	<b>5.63</b>	3.00	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	11/13/2015	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>602</b>	100	11/14/2015	ND	195	97.6	200	1.32		
<b>DRO &gt;C10-C28</b>	<b>7870</b>	100	11/14/2015	ND	195	97.7	200	1.13		

Surrogate: 1-Chlorooctane 121 % 35-147

Surrogate: 1-Chlorooctadecane 216 % 28-171

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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/17/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 1' (H502998-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/17/2015	ND	1.96	98.0	2.00	0.526	
<b>Toluene*</b>	<b>0.614</b>	0.500	11/17/2015	ND	2.22	111	2.00	0.925	
<b>Ethylbenzene*</b>	<b>1.24</b>	0.500	11/17/2015	ND	2.06	103	2.00	1.09	
<b>Total Xylenes*</b>	<b>2.64</b>	1.50	11/17/2015	ND	6.46	108	6.00	0.960	
<b>Total BTX</b>	<b>4.49</b>	3.00	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/13/2015	ND	432	108	400	7.69	
TPH 8015M		mg/kg		Analyzed By: CK					
				S-06					

Surrogate: 1-Chlorooctane 112 % 35-147

Surrogate: 1-Chlorooctadecane 204 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

## ORDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2410

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location:

Sample Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

State: NM Zip: 88241

Fax #: 575-397-0397

Project Owner:

City:

State:

Zip:

P.O. #:

Company:

Attn: C Simmons

Address:

City:

State:

Zip:

Phone #:

Fax #:

MATRIX

PRESERV

SAMPLING

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH  
BTEX  
CHLORIDE

SP101'  
SP201'  
SP301'

11-04-15 8:10  
11-04-15 9:26  
11-04-15 10:00

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Relinquished By:

Date: 11-11-15 Received By:

Relinquished By:

Time:

Date:

Received By:

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

REMARKS:

Delivered By: (Circle One)

Sample Condition  
☒ Cool ☒ Intact  
☐ Yes ☐ Yes  
☐ No ☐ No

CHECKED BY:  
(Initials)

Sampler - UPS - Bus - Other:

#54

1.80

#54

1.80

#54



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

December 02, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOUTH MATTIX YESO SAT.

Enclosed are the results of analyses for samples received by the laboratory on 11/25/15 10:37.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP1 @ 3' (H503118-01)**

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEx	<0.300	0.300	12/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	12/01/2015	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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	31.2	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 94.1 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP1 @ 5' (H503118-02)**

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	12/02/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96		
Total BTEx	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	12/01/2015	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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 99.9 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP1 @ 7' (H503118-03)**

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	12/02/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96		
Total BTEx	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/01/2015	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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	43.9	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 112 % 28-171

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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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP1 @ 8' (H503118-04)**

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	12/02/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96		
Total BTEx	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/01/2015	ND	400	100	400	11.3		

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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 95.2 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP2 @ 3' (H503118-05)**

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	12/02/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96		
Total BTEx	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	12/01/2015	ND	400	100	400	11.3		

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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	22.3	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 97.1 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP2 @ 5' (H503118-06)**

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	12/02/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96		
Total BTEx	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	12/01/2015	ND	400	100	400	11.3	

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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	40.6	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 94.2 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP2 @ 7' (H503118-07)**

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	12/02/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96		
Total BTEX	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/01/2015	ND	400	100	400	11.3	

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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	24.7	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 86.9 % 35-147

Surrogate: 1-Chlorooctadecane 94.5 % 28-171

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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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP2 @ 8' (H503118-08)**

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	12/02/2015	ND	2.00	100	2.00	2.96		
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96		
Total BTEx	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/01/2015	ND	400	100	400	11.3	

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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 85.1 % 35-147

Surrogate: 1-Chlorooctadecane 91.1 % 28-171

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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

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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.		<b>BILL TO</b>		ANALYSIS REQUEST																															
Project Manager: Cliff Brunson		P.O. #:																																	
Address: P.O. Box 805		Company:																																	
City: Hobbs		Attn:																																	
State: NM Zip: 88241		Address:																																	
Phone #: 575-397-6388 Fax #: 575-397-0397		City:																																	
Project #:		State: Zip:																																	
Project Name:		Phone #:																																	
Project Location: South Matix yeso Satellite		Fax #:																																	
Sample Name: Roger Hernandez																																			
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH		BTEX		Chloride	
150818		SP1 @ 3'		G		1		/		/		/		/		/		/		/		/		/		11-20-15		8:48 am		✓		✓		✓	
		SP1 @ 5'		G		1		/		/		/		/		/		/		/		/		/		11-20-15		9:45 am		✓		✓		✓	
		SP1 @ 7'		G		1		/		/		/		/		/		/		/		/		/		11-20-15		10:30 am		✓		✓		✓	
		SP1 @ 8'		G		1		/		/		/		/		/		/		/		/		/		11-20-15		10:45 am		✓		✓		✓	
		SP2 @ 3'		G		1		/		/		/		/		/		/		/		/		/		11-20-15		11:39 am		✓		✓		✓	
		SP2 @ 5'		G		1		/		/		/		/		/		/		/		/		/		11-20-15		12:50 pm		✓		✓		✓	
		SP2 @ 7'		G		1		/		/		/		/		/		/		/		/		/		11-20-15		1:45 pm		✓		✓		✓	
		SP2 @ 8'		G		1		/		/		/		/		/		/		/		/		/		11-20-15		2:11 pm		✓		✓		✓	
Relinquished By: <i>[Signature]</i>		Date: 11-25-15		Time: 9:14 AM		Received By: <i>[Signature]</i>		Date: 11-25-15		Time: 10:37 AM		Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact		CHECKED BY: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: <i>[Blank]</i>		Add'l Fax #: <i>[Blank]</i>		REMARKS: <i>[Blank]</i>											
Delivered By: (Circle One) <i>[Signature]</i>		Sampler - UPS - Bus - Other: <i>[Blank]</i>		-1360		#54																													

December 03, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOUTH MATTIX YESO SAT.

Enclosed are the results of analyses for samples received by the laboratory on 11/25/15 10:36.

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](http://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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/03/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP3 @ 3' (H503119-01)**

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/01/2015	ND	400	100	400	11.3	

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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	24.7	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 96.6 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/03/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP3 @ 4' (H503119-02)**

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	12/02/2015	ND	1.97	98.6	2.00	2.58	
Toluene*	<0.050	0.050	12/02/2015	ND	1.97	98.5	2.00	2.40	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.01	101	2.00	2.90	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	5.97	99.5	6.00	3.01	
Total BTX	<0.300	0.300	12/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	12/01/2015	ND	400	100	400	11.3	

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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 98.0 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/03/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP3 @ 5' (H503119-03)**

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	12/02/2015	ND	1.97	98.6	2.00	2.58		
Toluene*	<0.050	0.050	12/02/2015	ND	1.97	98.5	2.00	2.40		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.01	101	2.00	2.90		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	5.97	99.5	6.00	3.01		
Total BTX	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/01/2015	ND	400	100	400	11.3	

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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	34.2	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 88.0 % 35-147

Surrogate: 1-Chlorooctadecane 98.5 % 28-171

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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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/03/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

**Sample ID: SP3 @ 6' (H503119-04)**

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	12/02/2015	ND	1.97	98.6	2.00	2.58		
Toluene*	<0.050	0.050	12/02/2015	ND	1.97	98.5	2.00	2.40		
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.01	101	2.00	2.90		
Total Xylenes*	<0.150	0.150	12/02/2015	ND	5.97	99.5	6.00	3.01		
Total BTEx	<0.300	0.300	12/02/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/01/2015	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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	

Surrogate: 1-Chlorooctane 92.4 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 28-171

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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

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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.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location: South Matix yeso Satellite

Sampler Name: Roger Hernandez

FOR LAB USE ONLY

Lab I.D. Sample I.D.

#50319

SP3 @ 3'  
SP3 @ 4'  
SP3 @ 5'  
SP3 @ 6'

7.37

6-1

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH

BTEX

Chloride

✓

✓

✓

✓

✓

✓

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### BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

### ANALYSIS REQUEST

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

REMARKS:

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Relinquished By:

Date: 11/25/15

Received By: Roger Hernandez

Date: 11/25/15

Time: 9:41 AM

Relinquished By: Roger Hernandez

Date: 11/25/15

Time: 10:36 AM

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool ☐ Yes ☐ No

Intact ☐ Yes ☐ No

CHECKED BY: (Initials)

CPG

† 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	Dusty Wilson
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5771
Facility Name	South Mattix Yeso Satellite	Facility Type	Satellite
Surface Owner	Doom	Mineral Owner	
		API No.	30-025-21307

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	15	24S	37E					Lea County, NM

Latitude N 32.21246° Longitude W 103.14967°

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	1 bbl oil, 9 bbls produced water	Volume Recovered	0 bbls
Source of Release	Stress/fatigue of a 4" fiberglass production trunk line	Date and Hour of Occurrence	10/05/2015	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?	Kellie Jones, Jamie Keyes-NMOCD		
By Whom?	Kathy @ BBC International Inc.	Date and Time	10/19/2015		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

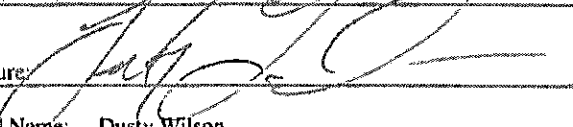
Describe Cause of Problem and Remedial Action Taken.\*

Stress/fatigue of a 4" fiberglass production trunk line caused 1 bbl of oil and 9 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 90' x 100' off location on the road and in the pasture. Remediation will be completed in accordance with the remediation plan approved by NMOCD.

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

Signature: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Dusty Wilson		Approved by Environmental Specialist:	
Title: Environmental Advisor		Approval Date:	Expiration Date:
E-mail Address: Dusty_Wilson@oxy.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11-9-15 Phone: (432) 685-5771			

\* Attach Additional Sheets If Necessary