



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805  
E-MAIL: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

**RECEIVED**

*By OCD District 1 at 12:20 pm, Aug 05, 2015*

**APPROVED**

*By OCD District 1 at 12:20 pm, Aug 05, 2015*

**OXY – NHU 24-342**

**1RP - 3653**

## **REMEDIATION PLAN**

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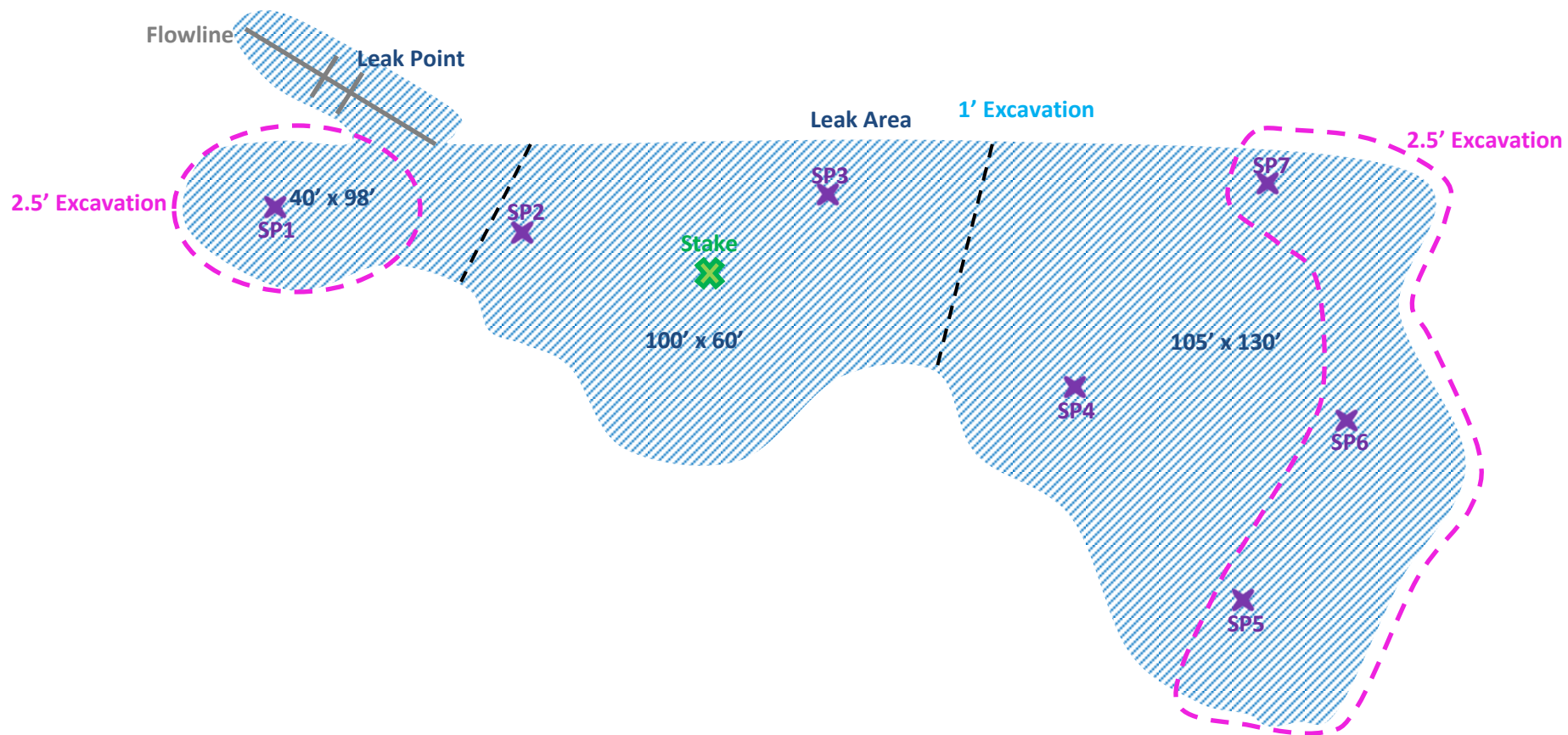
OXY will excavate the spill area as depicted on the following site diagram. The entire spill area will be excavated to a depth of 1 foot, then in areas near SP1, SP5, SP6, and SP7 will be excavated to a depth of 2.5 feet as depicted on the site diagram. All excavated materials will be disposed of at an NMOCD-approved disposal facility.

This plan will remove the contaminants to NMOCD acceptable levels as agreed upon.

The site will then be backfilled with clean soil.



Oxy  
NHU 24-342



Oxy, NHU 24-342

U/L F, Section 25, T18S, 37E

Lea County, NM

N 32.72122° W 103.20383°

API# 30-025-29062

**BBC International, Inc.**

**Oxy  
NHU 24-342**

Date: 07/01/2015

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2015

# Section Quarters

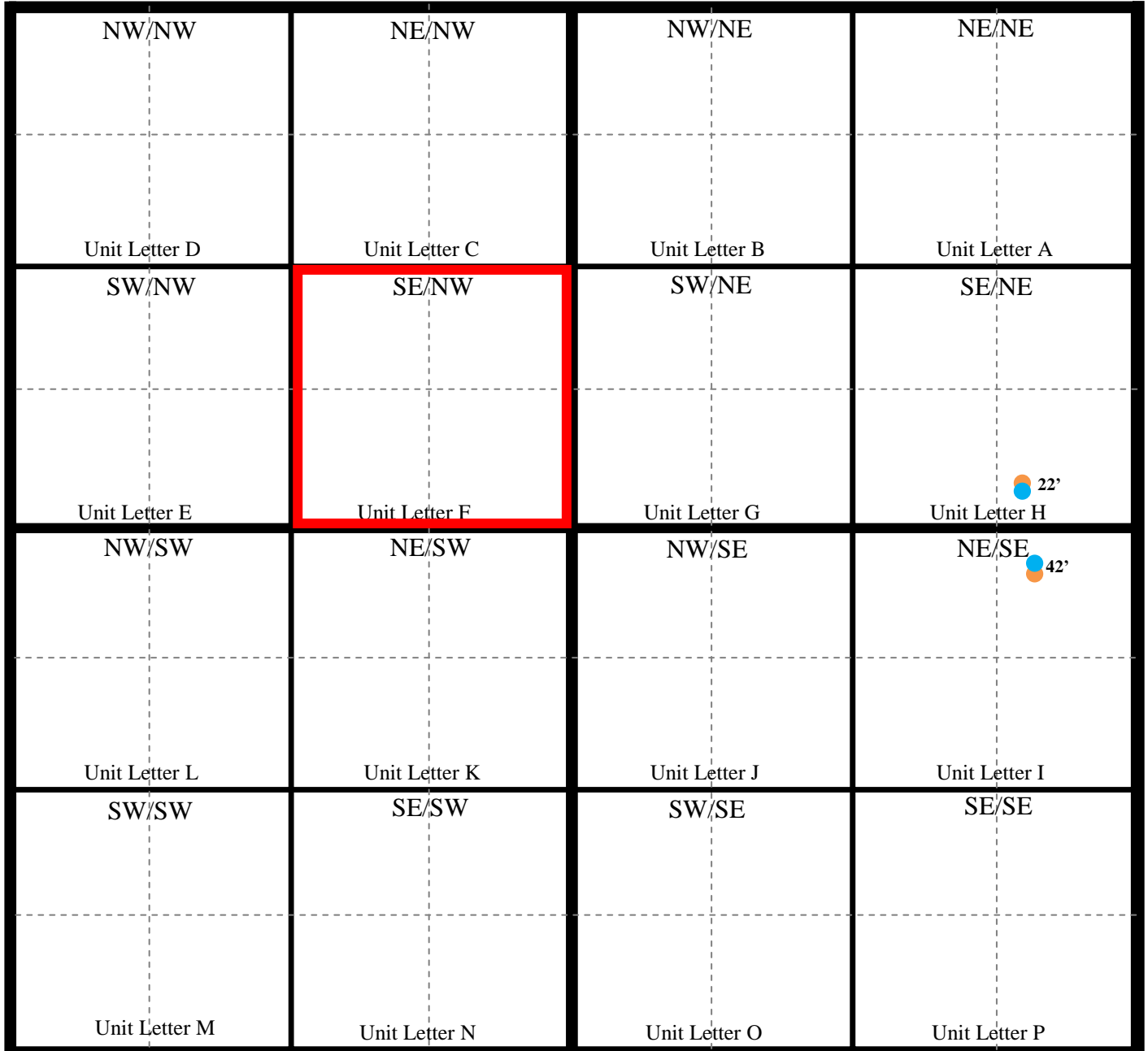
Oxy NHU 24-342

<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Lea	F	25	18S	37E

Trend Map <50'

1

2



3

4

**Laboratory Analytical Results Summary**  
**NHU 24-342**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 8'
Analyte	Method	Date	6/30/15	6/30/15	6/30/15	6/30/15	6/30/15	6/30/15	6/30/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		3000	640	912	832	544	576	96

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 7'
Analyte	Method	Date	6/30/15	6/30/15	6/30/15	6/30/15	6/30/15	6/30/15	6/30/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		2160	624	656	736	816	624	112

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		624	560	656	800	784	640	160

		Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'
Analyte	Method	Date	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		752	704	816	736	864	832	96

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'	SP5 @ 6'
Analyte	Method	Date	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		512	432	960	784	752	880	32

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'	SP6 @ 6'
Analyte	Method	Date	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		560	544	944	880	848	864	160

		Sample	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'	SP7 @ 6'
Analyte	Method	Date	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15	7/1/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		864	560	912	768	784	880	80



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

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July 09, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NHU 24-342

Enclosed are the results of analyses for samples received by the laboratory on 07/02/15 15:24.

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 "Hope S. Moreno". The signature is written in a cursive, flowing style.

Hope S. Moreno For 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: 07/02/2015  
Reported: 07/09/2015  
Project Name: NHU 24-342  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/30/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP1 @ SURFACE (H501705-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP1 @ 1' (H501705-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP1 @ 2' (H501705-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP1 @ 3' (H501705-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	07/08/2015	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/02/2015  
 Reported: 07/09/2015  
 Project Name: NHU 24-342  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/30/2015  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP1 @ 4' (H501705-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP1 @ 5' (H501705-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP1 @ 8' (H501705-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP2 @ SURFACE (H501705-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	07/08/2015	ND	416	104	400	3.77	


**Sample ID: SP2 @ 1' (H501705-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	07/08/2015	ND	416	104	400	3.77	

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Hope S. Moreno For 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: 07/02/2015  
 Reported: 07/09/2015  
 Project Name: NHU 24-342  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/30/2015  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP2 @ 2' (H501705-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP2 @ 3' (H501705-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP2 @ 4' (H501705-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP2 @ 5' (H501705-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP2 @ 7' (H501705-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/08/2015	ND	416	104	400	3.77	

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

Received: 07/02/2015  
Reported: 07/09/2015  
Project Name: NHU 24-342  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/01/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: S3 @ SURFACE (H501705-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	07/08/2015	ND	416	104	400	3.77		

**Sample ID: SP3 @ 1' (H501705-16)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP3 @ 2' (H501705-17)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP3 @ 3' (H501705-18)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	07/08/2015	ND	416	104	400	3.77		

**Sample ID: SP3 @ 4' (H501705-19)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	07/08/2015	ND	416	104	400	3.77	

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

Received: 07/02/2015  
Reported: 07/09/2015  
Project Name: NHU 24-342  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/01/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP3 @ 5' (H501705-20)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/08/2015	ND	416	104	400	3.77	

**Sample ID: SP3 @ 6' (H501705-21)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP4 @ SURFACE (H501705-22)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP4 @ 1' (H501705-23)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP4 @ 2' (H501705-24)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	07/08/2015	ND	432	108	400	3.77	

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

Received: 07/02/2015  
Reported: 07/09/2015  
Project Name: NHU 24-342  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/01/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP4 @ 3' (H501705-25)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP4 @ 4' (H501705-26)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP4 @ 5' (H501705-27)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP4 @ 6' (H501705-28)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP5 @ SURFACE (H501705-29)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/08/2015	ND	432	108	400	3.77	

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

Received: 07/02/2015  
Reported: 07/09/2015  
Project Name: NHU 24-342  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/01/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP5 @ 1' (H501705-30)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP5 @ 2' (H501705-31)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP5 @ 3' (H501705-32)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP5 @ 4' (H501705-33)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP5 @ 5' (H501705-34)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/08/2015	ND	432	108	400	3.77	

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\*=Accredited Analyte

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Hope S. Moreno For 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: 07/02/2015  
Reported: 07/09/2015  
Project Name: NHU 24-342  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/01/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP5 @ 6' (H501705-35)**

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	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP6 @ SURFACE (H501705-36)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP6 @ 1' (H501705-37)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP6 @ 2' (H501705-38)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP6 @ 3' (H501705-39)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/08/2015	ND	432	108	400	3.77	

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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: 07/02/2015  
Reported: 07/09/2015  
Project Name: NHU 24-342  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/01/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP6 @ 4' (H501705-40)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	07/08/2015	ND	432	108	400	3.77	

**Sample ID: SP6 @ 5' (H501705-41)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	07/08/2015	ND	400	100	400	0.00	

**Sample ID: SP6 @ 6' (H501705-42)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/08/2015	ND	400	100	400	0.00	

**Sample ID: SP7 @ SURFACE (H501705-43)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	07/08/2015	ND	400	100	400	0.00	

**Sample ID: SP7 @ 1' (H501705-44)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/08/2015	ND	400	100	400	0.00	

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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: 07/02/2015  
 Reported: 07/09/2015  
 Project Name: NHU 24-342  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/01/2015  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP7 @ 2' (H501705-45)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	07/08/2015	ND	400	100	400	0.00	

**Sample ID: SP7 @ 3' (H501705-46)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	07/08/2015	ND	400	100	400	0.00	

**Sample ID: SP7 @ 4' (H501705-47)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	07/08/2015	ND	400	100	400	0.00	

**Sample ID: SP7 @ 5' (H501705-48)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/08/2015	ND	400	100	400	0.00	

**Sample ID: SP7 @ 6' (H501705-49)**

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	07/08/2015	ND	400	100	400	0.00	

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**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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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

145

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: SAME											
State: NM Zip: 88241		Address:											
Phone #: 575-397-6388		City:											
Fax #: 575-397-0397		State:											
Project #: Project Owner: CHY		Zip:											
Project Name: NHU 74-342		Phone #:											
Project Location:		Fax #:											
Sampler Name: Roger Hernandez		FOR LAB USE ONLY											
Lab I.D.		Sample I.D.											
H501705		SPIC SURFACE											
		(G)RAB OR (C)OMP.											
		# CONTAINERS											
		GROUNDWATER											
		WASTEWATER											
		SOIL											
		OIL											
		SLUDGE											
		OTHER :											
		ACID/BASE:											
		ICE / COOL											
		OTHER :											
		DATE											
		TIME											
1		6:30P		CHLORIDE									
2		6:30P											
3		6:30P											
4		6:30P											
5		6:30P											
6		6:30P											
7		6:30P											
8		6:30P											
9		6:30P											
10		6:30P											

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Relinquished By: Roger Hernandez	Date: 7-2-15	Received By: Judy Garcia	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Date: 7-2-15	Time: 3:24	Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) JG
Sampler - UPS - Bus - Other: 12.6c				

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2085

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:		SAME																																	
Phone #: 575-397-6388 Fax #: 575-397-0397		City:																																			
Project #:		State:		Zip:																																	
Project Name: NHA 24-342		Phone #:																																			
Project Location:		Fax #:																																			
Sampler Name: Roger Hernandez																																					
FOR LAB USE ONLY																																					
Lab I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV		SAMPLING																									
Sample I.D.		GROUNDWATER		WASTEWATER		SOIL				OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
H501705		✓		✓		✓				✓		✓		✓		✓		✓		✓		6:30		1211		CHLORIDE											
11 SP2 @ 3'		✓		✓		✓				✓		✓		✓		✓		✓		✓		6:30		1110		✓											
12 @ 4'		✓		✓		✓				✓		✓		✓		✓		✓		✓		6:30		128		✓											
13 @ 5'		✓		✓		✓				✓		✓		✓		✓		✓		✓		6:30		128		✓											
14 @ 7'		✓		✓		✓				✓		✓		✓		✓		✓		✓		6:30		730		✓											
15 SP3 @ SURFACE		✓		✓		✓				✓		✓		✓		✓		✓		✓		7:15		750		✓											
16 @ 1'		✓		✓		✓				✓		✓		✓		✓		✓		✓		7:15		810		✓											
17 @ 2'		✓		✓		✓				✓		✓		✓		✓		✓		✓		7:15		829		✓											
18 @ 3'		✓		✓		✓				✓		✓		✓		✓		✓		✓		7:15		840		✓											
19 @ 4'		✓		✓		✓				✓		✓		✓		✓		✓		✓		7:15		908		✓											
20 @ 5'		✓		✓		✓				✓		✓		✓		✓		✓		✓		7:15		919		✓											
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Relinquished By: [Signature]		Date: 7-2-15		Received By: [Signature]		Date: 7-2-15		Time: 3:24		Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]																									
Relinquished By: [Signature]		Date: 7-2-15		Received By: [Signature]		Date: 7-2-15		Time: 3:24		Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]																									
Delivered By: (Circle One)		Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]																																	
Sampler - UPS - Bus - Other:		12.6c		[Signature]																																	
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# CARDINAL LABORATORIES

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

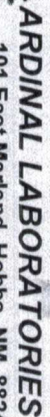
3045

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:																																	
Phone #: 575-397-6388		Address: SAME																																	
Fax #: 575-397-0397		City:																																	
Project #:		State: NM Zip: 88241																																	
Project Name: NTHU 24-342		City:																																	
Project Location:		State:																																	
Sample Name: Roger Hernandez		Phone #:																																	
FOR LAB USE ONLY		Fax #:																																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		MATRIX		PRESERV		SAMPLING																							
H501705		SP3 @ 6'		✓		✓		✓		✓		✓		DATE		TIME		CHLORIDE																	
21		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		932		✓																	
22		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1008		✓																	
23		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1020		✓																	
24		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1041		✓																	
25		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1052		✓																	
26		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1058		✓																	
27		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1102		✓																	
28		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1108		✓																	
29		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1139		✓																	
30		SP4 @ 5' surface		✓		✓		✓		✓		✓		7-15		1156		✓																	
Relinquished By: [Signature]		Date: 7-15		Time:		Received By: Judy Narva		Date: 7-15		Time:		Sample Condition		Cool		Intact		Yes		No		Yes		No		Add'l Phone #:		Fax Result:		Yes		No		Add'l Fax #:	
Delivered By: (Circle One)		12-6c		Sample Condition		Cool		Intact		Yes		No		Checked By: [Signature]		Phone Result:		Yes		No		Add'l Phone #:		Fax Result:		Yes		No		Add'l Fax #:					
Sampler - UPS - Bus - Other:		12-6c		Sample Condition		Cool		Intact		Yes		No		Checked By: [Signature]		Phone Result:		Yes		No		Add'l Phone #:		Fax Result:		Yes		No		Add'l Fax #:					

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.			BILL TO			ANALYSIS REQUEST		
Project Manager: Cliff Brunson			P.O. #:					
Address: P.O. Box 805			Company:					
City: Hobbs			Attn:					
State: NM zip: 88241			Address:			SALE		
Phone #: 575-397-6388			Fax #: 575-397-0397					
Project #:			Project Owner: ORY					
Project Name:			City:					
Project Location:			State:			Zip:		
Sample Name:			Phone #:					
FOR LAB USE ONLY			Fax #:					
Lab I.D.			Sample I.D.					
H501105			SP502					
3/1			SP503					
3/2			SP504					
3/3			SP505					
3/4			SP506					
3/5			SP507					
3/6			SP508					
3/7			SP509					
3/8			SP510					
3/9			SP511					
4/0			SP512					
SP500 Surface			SP501					
SP502			SP503					
SP504			SP505					
SP506			SP507					
SP508			SP509					
SP510			SP511					
SP512			SP513					
SP514			SP515					
SP516			SP517					
SP518			SP519					
SP520			SP521					
SP522			SP523					
SP524			SP525					
SP526			SP527					
SP528			SP529					
SP530			SP531					
SP532			SP533					
SP534			SP535					
SP536			SP537					
SP538			SP539					
SP540			SP541					
SP542			SP543					
SP544			SP545					
SP546			SP547					
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SP560			SP561					
SP562			SP563					
SP564			SP565					
SP566			SP567					
SP568			SP569					
SP570			SP571					
SP572			SP573					
SP574			SP575					
SP576			SP577					
SP578			SP579					
SP580			SP581					
SP582			SP583					
SP584			SP585					
SP586			SP587					
SP588			SP589					
SP590			SP591					
SP592			SP593					
SP594			SP595					
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SP614			SP615					
SP616			SP617					
SP618			SP619					
SP620			SP621					
SP622			SP623					
SP624			SP625					
SP626			SP627					
SP628			SP629					
SP630			SP631					
SP632			SP633					
SP634			SP635					
SP636			SP637					
SP638			SP639					
SP640			SP641					
SP642			SP643					
SP644			SP645					
SP646			SP647					
SP648			SP649					
SP650			SP651					
SP652			SP653					
SP654			SP655					
SP656			SP657					
SP658			SP659					
SP660			SP661					
SP662			SP663					
SP664			SP665					
SP666			SP667					
SP668			SP669					
SP670			SP671					
SP672			SP673					
SP674			SP675					
SP676			SP677					
SP678			SP679					
SP680			SP681					
SP682			SP683					
SP684			SP685					
SP686								

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

545

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: <u>NAME</u>																					
Phone #: 575-397-6388		Address:																					
Fax #: 575-397-0397		City:																					
Project #:		State:																					
Project Name: <u>NH41 24-392</u>		Zip:																					
Project Location:		Phone #:																					
Sampler Name: <u>Peter Hernandez</u>		Fax #:																					
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING									
								GROUNDWATER															
								WASTEWATER															
								SOIL															
								OIL															
								SLUDGE															
								OTHER :															
								ACID/BASE:															
								ICE / COOL															
								OTHER :															
								DATE		TIME													
<u>#501705</u>		<u>Spec 4</u>		<u>5-11</u>		<u>2-15</u>		<u>242</u>		<u>5</u>		<u>CHLORIDE</u>											
<u>41</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>251</u>		<u>5</u>													
<u>42</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>300</u>		<u>5</u>													
<u>43</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>312</u>		<u>5</u>													
<u>44</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>310</u>		<u>5</u>													
<u>45</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>325</u>		<u>5</u>													
<u>46</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>333</u>		<u>5</u>													
<u>47</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>339</u>		<u>5</u>													
<u>48</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>347</u>		<u>5</u>													
<u>49</u>		<u>SP 4</u>		<u>5-11</u>		<u>2-15</u>		<u>350</u>		<u>5</u>													

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

Relinquished By: <u>Peter Hernandez</u>	Date: <u>7-2-15</u>	Received By: <u>Judy Garcia</u>	Time: <u>8:24</u>
Relinquished By:	Date:	Received By:	Time:
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)	
	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

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

#54

REMARKS:

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

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	Contact	Tony Aguilar
Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	NHU 24-342	Facility Type	Injection Trunk Line
Surface Owner	Mineral Owner	API No.	30-025-29062

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	25	18S	37E					Lea County, NM

Latitude N 32.72122° Longitude W 103.20383°

#### NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	145 bbls	Volume Recovered	45 bbls
Source of Release	Internal corrosion of a 4" steel injection trunk line	Date and Hour of Occurrence	05/10/2015 @ 10:30 am	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Tomas Oberding- NMOCD via email on 05/10/2015		
By Whom?	Tony Aguilar, Oxy	Date and Hour	05/10/2015 @ 12:19 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.\*

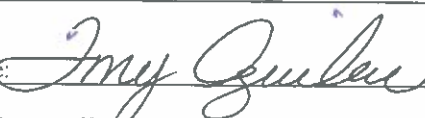
Describe Cause of Problem and Remedial Action Taken.\*

A 4" steel line leaked due to internal corrosion causing 145 bbls of produced water to leak onto the ground. A vacuum truck recovered 45 bbls of water and as of 05/28/2015 the line is being repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*

The area affected is approximately 110' x 325' on location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: Tony Aguilar	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Raymond_aguilar@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>6-23-15</u> Phone: (575) 397-8251			

\* Attach Additional Sheets If Necessary