

Approved for
closure: 1RP-4319

Closure Report

APPROVED

By Olivia Yu at 4:11 pm, Feb 28, 2017

Site Description

Site Name:	NHU Satellite #32W Trunk Line
Company:	Oxy Permian
Legal Description:	U/L L, Section 29, T18S, R38E
County:	Lea County, NM
GPS Coordinates:	N 32.71806° W 103.17622°

Release Data

Date of Release:	06/13/2016
Type of Release:	Oil and produced water
Source of Release:	Stress/fatigue of 8" fiberglass trunkline
Volume of Release:	0.5 bbl oil, 30 bbls produced water
Volume Recovered:	15 bbls produced water

Remediation Specifications

Remediation Parameters:	In the area near SP1, SP2, and SP4, the excavation will be 2 feet. In the area near SP5 and SP6, the excavation will be 1 foot. In the area of SP3, the excavation will be 3 feet. The entire site will be backfilled with clean soil. All excavated materials will be disposed of at Sundance.	
Remediation Activities:	12/08/2016 to 12/22/2016	
Plan Sent to OCD:	11/01/2016	Email from Cliff Brunson to Kristen Lynch
OCD Approval of Plan:	11/22/2016	Email from Kristen Lynch to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 06/22/2016
Final C-141	Signed 01/10/2017
Site Diagram	June 2016
Groundwater Plot	<50'
TOPO Maps	June 2016
Lab Summary	06/15/2016-06/20/2016
Lab Analysis	06/15/2016-06/20/2016
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.

01/10/2016

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report


Name of Company	Oxy Permian	Contact	Tony Aguilar
Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	NHU Satellite #32 W Trunk line	Facility Type	Satellite
Surface Owner	Oxy	Mineral Owner	
		API No.	30-025-23035

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	29	18S	38E					Lea County, NM

Latitude N 32.71806° Longitude W 103.17622°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	0.5 bbl oil, 30 bbls produced water	Volume Recovered	15 bbls produced water
Source of Release	Stress/fatigue of 8" fiberglass trunkline	Date and Hour of Occurrence	06/13/2016	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?	Maxey Brown-NMOCD		
By Whom?	Tony Aguilar/Mark Bowman- Oxy	Date and Hour	06/13/2016 @ 9:58 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.*					
Stress/fatigue of an 8" fiberglass trunkline caused a leak of 0.5 bbl of oil and 30 bbls of produced water. A vacuum truck recovered 15 bbls of produced water and the line was repaired.					
Describe Area Affected and Cleanup Action Taken.*					
The area affected is approximately 145' x 195' both on and off 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: 		OIL CONSERVATION DIVISION			
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: 6-22-16		Phone: (575) 397-8251			

* Attach Additional Sheets If Necessary

District I
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Energy Minerals and Natural Resources

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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 Satellite #32 W Trunk line	Facility Type	Satellite
Surface Owner	Oxy	Mineral Owner	
		API No.	30-025-23035

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	29	18S	38E					Lea County, NM

Latitude N 32.71806° Longitude W 103.17622°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	0.5 bbl oil, 30 bbls produced water	Volume Recovered	15 bbls produced water
Source of Release	Stress/fatigue of 8" fiberglass trunkline	Date and Hour of Occurrence	06/13/2016	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?	Maxey Brown-NMOCD		
By Whom?	Tony Aguilar/Mark Bowman- Oxy	Date and Hour	06/13/2016 @ 9:58 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.*

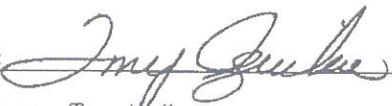

Describe Cause of Problem and Remedial Action Taken.*

Stress/fatigue of an 8" fiberglass trunkline caused a leak of 0.5 bbl of oil and 30 bbls of produced water. A vacuum truck recovered 15 bbls of produced water and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*

The area affected is approximately 145' x 195' both on and off location. Remediation was completed in accordance with the remediation plan approved by Kristen Lynch of NMOCD via email on 11/22/2016.

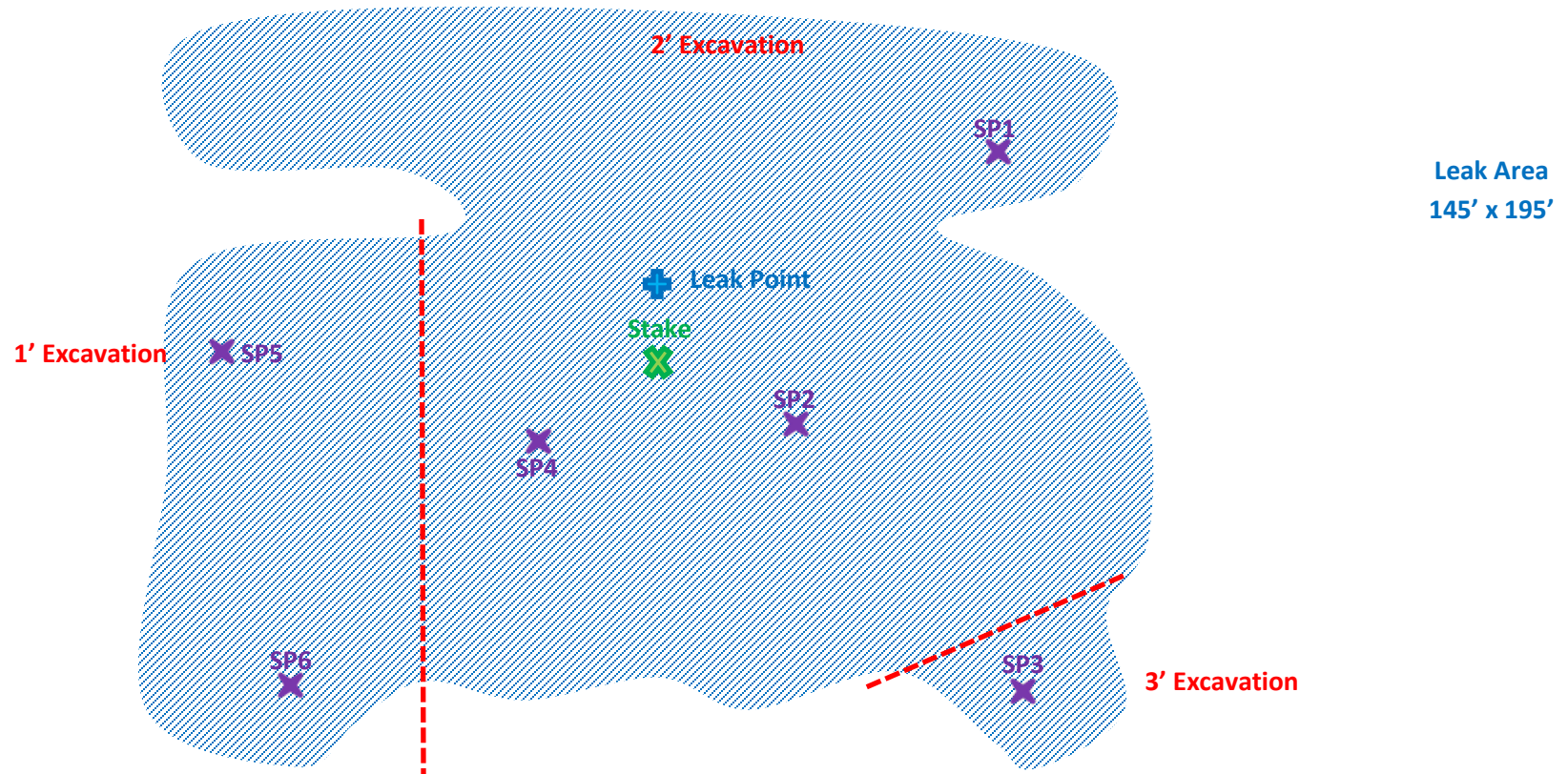
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: Tony Aguilar		Approved by Environmental Specialist: 	
Title: HES Specialist	Approval Date: 2/28/2017	Expiration Date: xx/xx/xxxx	
E-mail Address: Raymond_aguilar@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 1/10/17	Phone: (575) 397-8251		

* Attach Additional Sheets If Necessary



Oxy
NHU Satellite #32 West (6/13/16)



U/L L, Section 29, T18S, R38E

Lea County, NM

N 32.71806° W 103.17622°

API# 30-025-23035

BBC International, Inc.

**Oxy
NHU Satellite #32W**

Date: 06/16/2016

DRWG by: K. Purvis

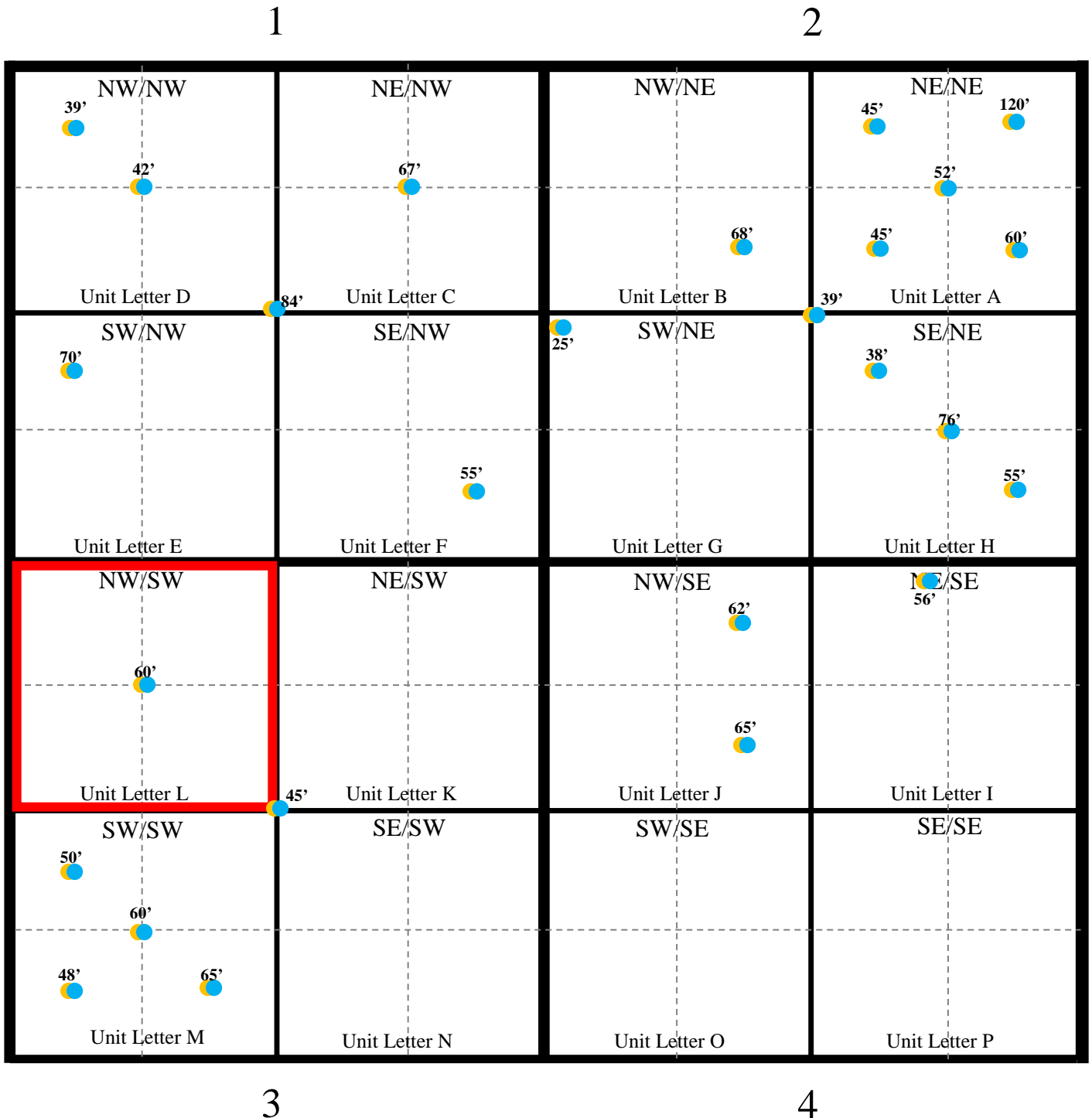
NOT TO SCALE

File: Wasson 2016

Oxy NHU Satellite #32W

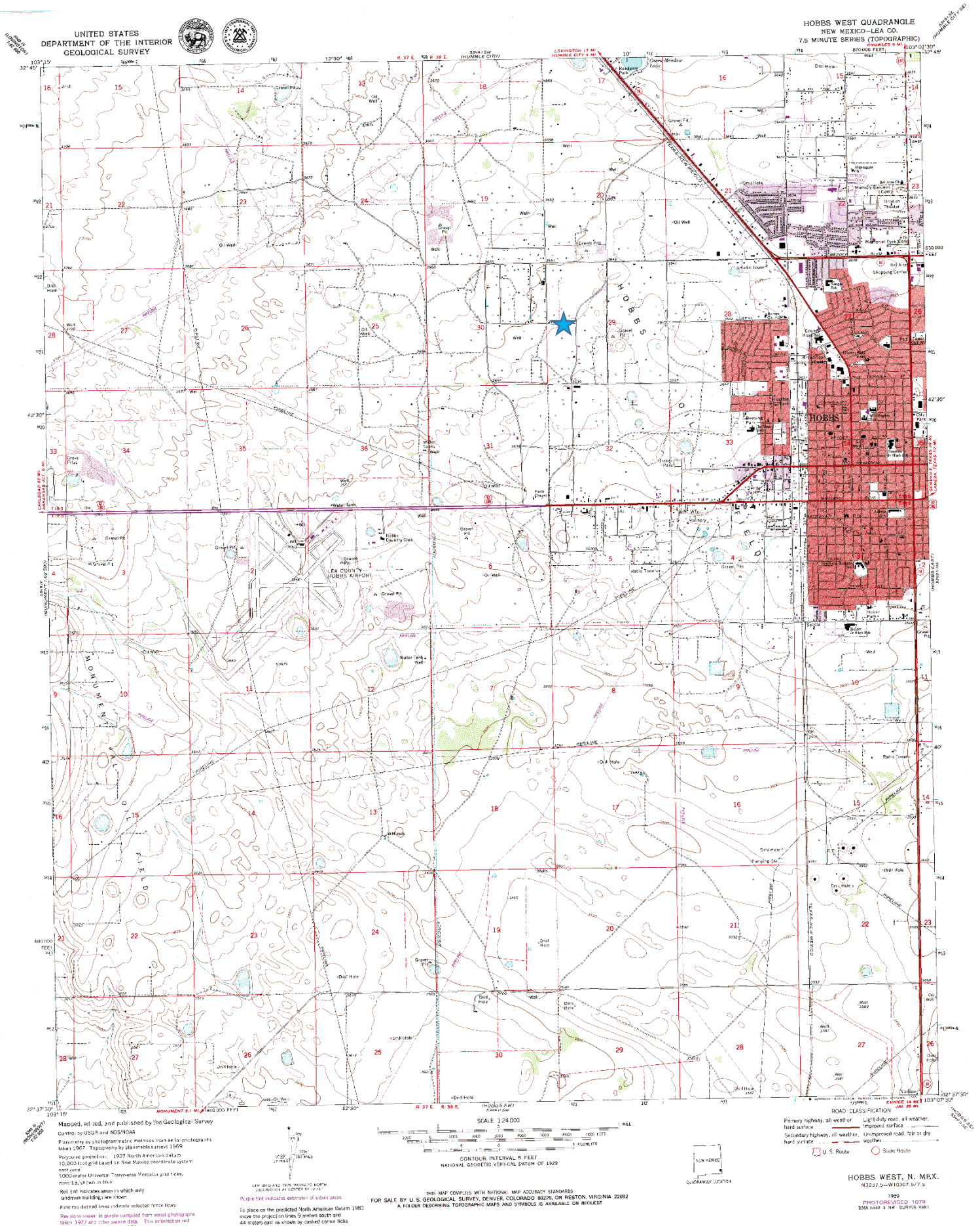
County	Unit Letter	Section	Township	Range
Lea	L	29	18S	38E

Trend Map <50'



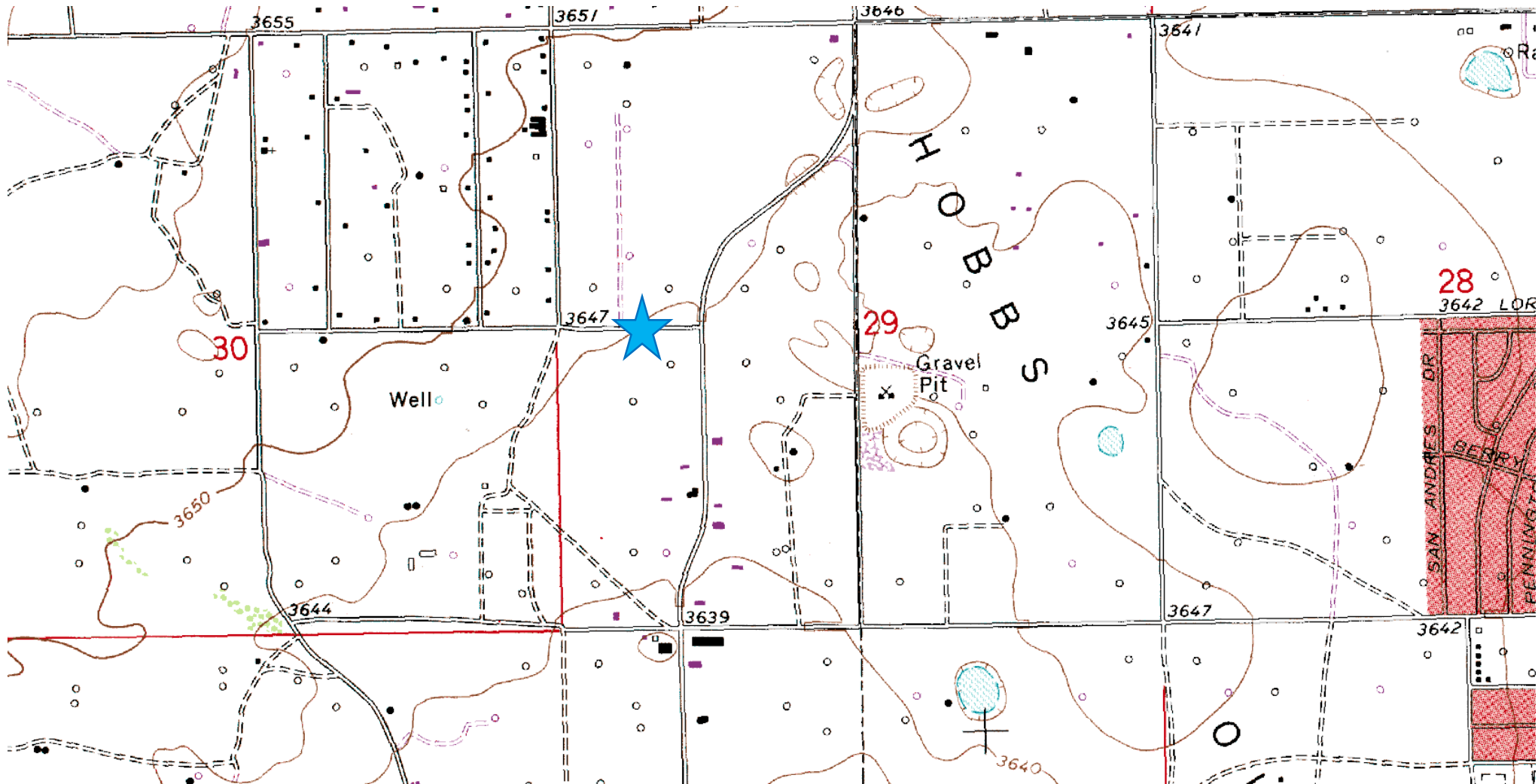
Oxy

NHU Satellite #32W



Oxy

NHU Satellite #32W



**Laboratory Analytical Results Summary
NHU Satellite #32 West**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	6/15/16	6/20/16	6/20/16	6/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		976	528	320	96
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		35.6	19.7	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	6/15/16	6/20/16	6/20/16	6/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		976	528	288	112
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	6/15/16	6/20/16	6/20/16	6/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		816	800	464	32
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		98.8	13.2	n/a	n/a

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	6/15/16	6/20/16	6/20/16	6/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		848	720	464	32
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		56.9	23.8	n/a	n/a

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	6/15/16	6/20/16
			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		864	16
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	6/15/16	6/20/16
			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		960	16
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0



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

June 27, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NHU SAT-32 WEST

Enclosed are the results of analyses for samples received by the laboratory on 06/21/16 13:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, 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: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/15/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 1 (H601350-01)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	976	16.0	06/22/2016	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	35.6	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 80.4 % 35-147

Surrogate: 1-Chlorooctadecane 84.5 % 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: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 2 (H601350-02)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEx	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	528	16.0	06/22/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	19.7	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 71.0 % 35-147

Surrogate: 1-Chlorooctadecane 73.2 % 28-171

Sample ID: SP1 @ 3 (H601350-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/22/2016	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 4 (H601350-04)

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	06/22/2016	ND	416	104	400	3.92	

Sample ID: SP2 @ 1 (H601350-05)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	976	16.0	06/22/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 89.4 % 35-147

Surrogate: 1-Chlorooctadecane 86.9 % 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: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 2 (H601350-06)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEx	<0.300	0.300	06/23/2016	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	528	16.0	06/22/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 87.3 % 35-147

Surrogate: 1-Chlorooctadecane 92.5 % 28-171

Sample ID: SP2 @ 3 (H601350-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/22/2016	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 4 (H601350-08)

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	06/22/2016	ND	400	100	400	3.92	

Sample ID: SP3 @ 1 (H601350-09)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	816	16.0	06/22/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	98.8	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 86.6 % 35-147

Surrogate: 1-Chlorooctadecane 84.2 % 28-171

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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: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 2 (H601350-10)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEx	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	800	16.0	06/22/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	13.2	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 78.1 % 35-147

Surrogate: 1-Chlorooctadecane 84.0 % 28-171

Sample ID: SP3 @ 3 (H601350-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/22/2016	ND	400	100	400	3.92	

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Analytical Results For:

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

Received: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 4 (H601350-12)

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	06/22/2016	ND	400	100	400	3.92		

Sample ID: SP4 @ 1 (H601350-13)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	848	16.0	06/22/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	56.9	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 73.3 % 35-147

Surrogate: 1-Chlorooctadecane 76.8 % 28-171

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Analytical Results For:

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P.O. Box 805
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Fax To: (575) 397-0397

Received: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 2 (H601350-14)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	720	16.0	06/22/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	23.8	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 77.7 % 35-147

Surrogate: 1-Chlorooctadecane 77.1 % 28-171

Sample ID: SP4 @ 3 (H601350-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/22/2016	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 4 (H601350-16)

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	06/22/2016	ND	400	100	400	3.92	

Sample ID: SP5 @ 1 (H601350-17)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEx	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	864	16.0	06/22/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 82.2 % 35-147

Surrogate: 1-Chlorooctadecane 78.2 % 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: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/15/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 2 (H601350-18)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTX	<0.300	0.300	06/23/2016	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	06/22/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 73.9 % 35-147

Surrogate: 1-Chlorooctadecane 71.9 % 28-171

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Received: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/15/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP6 @ 1 (H601350-19)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTX	<0.300	0.300	06/23/2016	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	960	16.0	06/22/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 80.1 % 35-147

Surrogate: 1-Chlorooctadecane 72.8 % 28-171

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Fax To: (575) 397-0397

Received: 06/21/2016
Reported: 06/27/2016
Project Name: NHU SAT-32 WEST
Project Number: (6/14/16)
Project Location: OXY

Sampling Date: 06/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP6 @ 2 (H601350-20)

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEx	<0.300	0.300	06/23/2016	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	16.0	16.0	06/22/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 80.4 % 35-147

Surrogate: 1-Chlorooctadecane 67.2 % 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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

Company Name: BBC International, Inc.	P.O. #:	BILL TO	ANALYSIS REQUEST
Project Manager: Cliff Brunson	Company:		
Address: P.O. Box 805	Attn: Mary		
City: Hobbs	Address:		
State: NM Zip: 88241	City: Ariz		
Phone #: 575-397-6388	Fax #: 575-397-0397	State:	Zip:
Project #:	Project Owner: OKY	State:	Zip:
Project Name: N44 - Set - 32 West (6.4.16)	Phone #:		
Project Location: Hobbs, NM	Fax #:		
Sample Name: Roger Hernandez			
FOR LAB USE ONLY			

Project Manager: Cliff Brunson										P.O. #:	
Address: P.O. Box 805										Company:	
City: Hobbs										Attn: Terry	
State: NM Zip: 88241										Address:	
Phone #: 575-397-6388										City: Spring	
Fax #: 575-397-0397										State:	
Project #:										Zip:	
Project Name: NH - 52t - 32 West (6-4/6)										Phone #:	
Project Location: Hobbs, NM										Fax #:	
Sample Name: Roger Hernandez											
FOR LAB USE ONLY										MATRIX	
										PRESERV	
										SAMPLING	
Lab I.D.										Sample I.D.	
										(G)RAB OR (C)OMP.	
										# CONTAINERS	
										GROUNDWATER	
										WASTEWATER	
										SOIL	
										OIL	
										SLUDGE	
										OTHER :	
										ACID/BASE:	
										ICE / COOL	
										OTHER :	
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Relinquished By: [Signature]	Date: 6-21-16	Received By: [Signature]	Date: 6-21-16
Relinquished By: [Signature]	Date: 6-21-16	Received By: [Signature]	Date: 6-21-16
Delivered By: (Circle One) 1001 OKY	Time: 1:27	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) 8 #75
Sampler - UPS - Bus - Other: 2.42			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/16

Company Name: BBC International, Inc.		P.O. #:		BILL TO										ANALYSIS REQUEST																									
Project Manager: Cliff Brunson		Company:																																					
Address: P.O. Box 805		Attn: Terry																																					
City: Hobbs		Address: 401/4																																					
Phone #: 575-397-6388		Fax #: 575-397-0397																																					
Project #:		City:																																					
Project Name: 1441. 1st-32-West (6.14.16)		State:																																					
Project Location: Hobbs, NM		Zip:																																					
Sample Name: Roger Hornaday		Phone #:																																					
FOR LAB USE ONLY		Fax #:																																					
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											
HQA1350		SP303		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-20		2:09											
11		SP304		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-20		2:32											
12		SP401		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-15		1:05											
13		SP401		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-20		2:47											
14		SP401		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-15		3:08											
15		SP501		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-15		12:45											
16		SP501		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-20		3:18											
17		SP501		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-15		1:30											
18		SP601		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-15		3:35											
19		SP601		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-20		3:35											
20		SP601		✓		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		6-20		3:35											
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Relinquished By: [Signature]		Date: 6-21-16		Received By: [Signature]		Date: 6-21-16		Time: 1:00 PM		Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]		REMARKS:																									
Delivered By: (Circle One) [Signature]		2.4°C		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]																									
Sampler - UPS - Bus - Other:		2.4°C		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]																									

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From: Lynch, Kristen, EMNRD
To: [Cliff Brunson](#)
Cc: [Tony Aguilar](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: OXY NHU Satellite #32 West - Remediation Plan
Date: Tuesday, November 22, 2016 2:46:12 PM

NMOCD approves this workplan.

*Kristen D. Lynch
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-3896 ext. 111
575-370-3180 (emergency-cell)*

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Tuesday, November 01, 2016 12:34 PM
To: Lynch, Kristen, EMNRD
Cc: Tony Aguilar ; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY NHU Satellite #32 West - Remediation Plan

Kristen,

Please find attached the revised Remediation Plan for this site. After discussions with you and Jamie, it was decided to only require the area around SP3 to be a 3 foot excavation (as depicted on the attached diagram) and the area around SP1, SP2, and SP4 would be 2 feet. This email is to confirm our discussion. If you would please respond back via email with your approval, it would be greatly appreciated.

Thanks, Cliff

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



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From: Lynch, Kristen, EMNRD [<mailto:Kristen.Lynch@state.nm.us>]
Sent: Wednesday, August 31, 2016 1:53 PM
To: cbrunson@bbcinternational.com
Cc: Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>; jennifer_duarte@oxy.com;
Casey_Summers@oxy.com; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>
Subject: RE: OXY NHU Satellite #32 West - Remediation Plan

Cliff,

After review of your work plan NMOCD approves the following work plan with conditions:

- A.) Sample points 2,3, &4 must be excavated to 3 feet bgs
- B.) Conformation Sidewall Samples must be provided with the final work order
- C.) Notify NMOCD prior to Sidewall sampling to allow witnessing opportunity.

Thank You,

*Kristen D. Lynch
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 111
575-370-3180 (emergency-cell)*

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From: Keyes, Jamie, EMNRD
Sent: Wednesday, August 31, 2016 12:56 PM
To: Lynch, Kristen, EMNRD
Subject: FW: OXY NHU Satellite #32 West - Remediation Plan

Jamie R. Keyes

Environmental Specialist, District 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 113
575-370-3188 (emergency-cell)

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Friday, August 26, 2016 4:47 PM
To: Keyes, Jamie, EMNRD
Cc: Tony Aguilar ; Casey Summers; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY NHU Satellite #32 West - Remediation Plan

Jamie,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY NHU Satellite #32 West release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

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

Thanks, Cliff

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



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