WORLD-WIDE ENVIRONMENTAL SPECIALISTS

BBC INTERNATIONAL
INCORPORATED

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

RECEIVED
By OCD District 1 at 10:33 am, Aug 18, 2015

APPROVED Conditional
By OCD District 1 at 10:33 am, Aug 18, 2015

OXY – SHU #172 INJECTION LINE

1. **SP5-SP7 will be dealt with once the site is closed.**

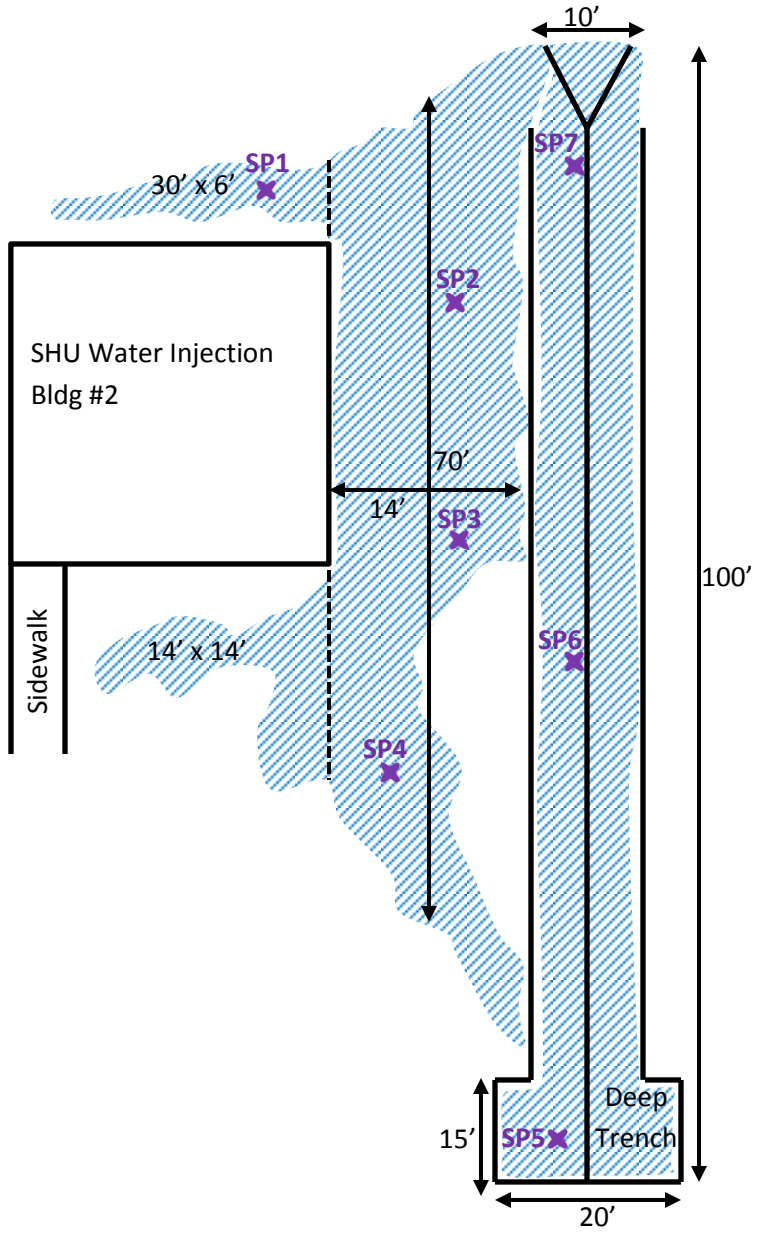
REMEDIATION PLAN

OXY will surface scrape the area covered by sample points SP1-SP4 as depicted on the following site diagram. No action is needed in the trench near sample points SP5 – SP7. All excavated materials will be disposed of at an NMOCD-approved disposal facility.

The site will then be backfilled with clean soil.

Oxy

SHU #172 Injection line



NE ¼, Section 9, T19S, R38E

Lea County, NM

N 32.68019° W 103.147789°

API# 30-025-28543

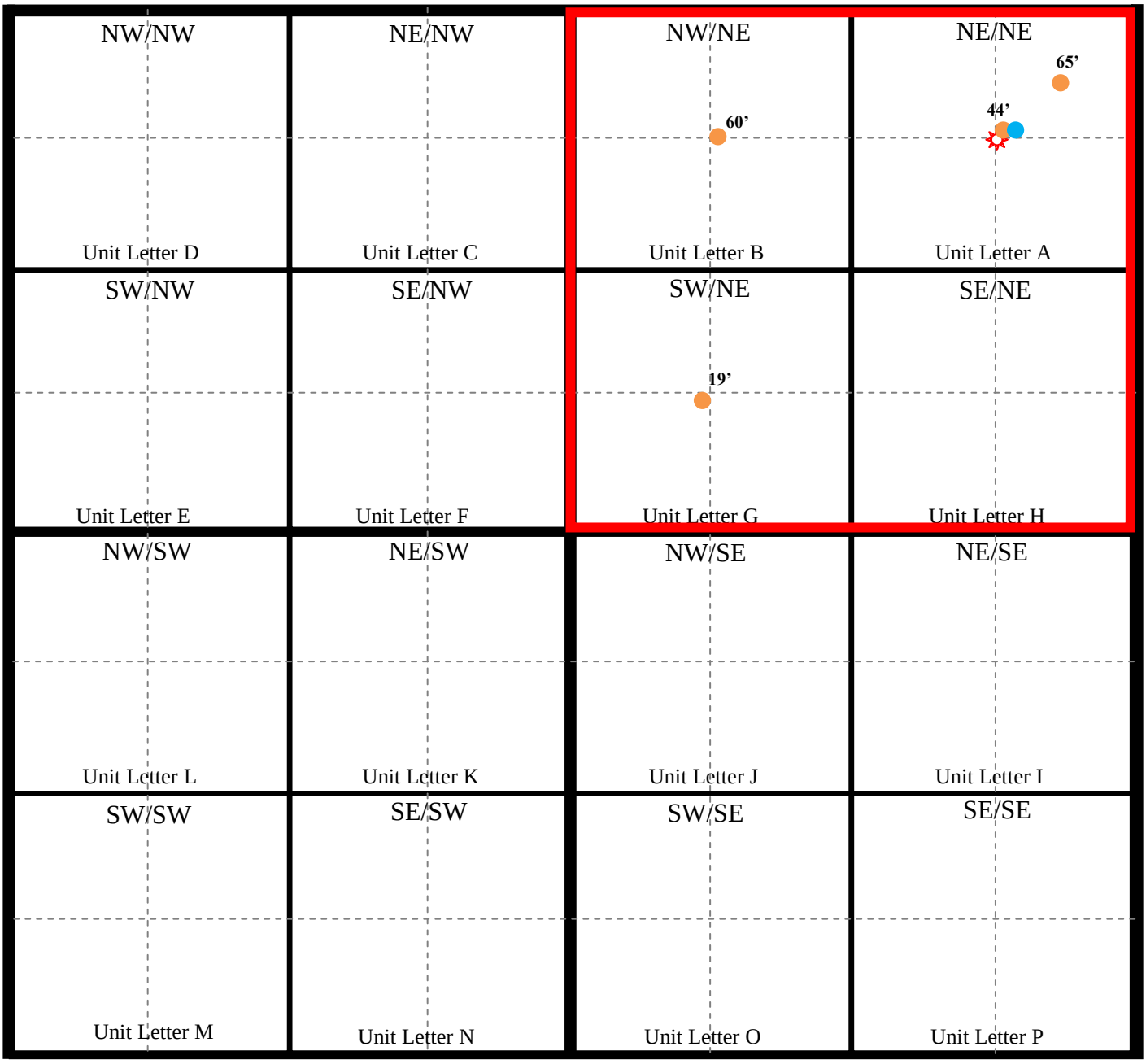
BBC International, Inc.	
Oxy **SHU #172 Injection line**	
Date: 07/15/2015	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2015

Section Quarters

Oxy SHU #172 Injection line

County	*Unit Letter*	*Section*	*Township*	*Range*
Lea	NW ¼	9	19S	38E

Trend Map 25’-75’



Location ● OCD ● USGS ● SEO ● All Databases

Laboratory Analytical Results Summary
SHU #172 Injection Line

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	7/20/15	7/20/15
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		1390	<16.0

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	7/20/15	7/20/15
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		1230	<16.0

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	7/20/15	7/20/15
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		3440	64

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	7/20/15	7/20/15
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		720	32

		Sample	SP5 @ 12'	SP5 @ 13'	SP5 @ 14'
Analyte	Method	Date	7/20/15	7/20/15	7/20/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		624	432	<16.0

		Sample	SP6 @ 12'	SP6 @ 13'	SP6 @ 14'
Analyte	Method	Date	7/20/15	7/20/15	7/20/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		592	464	32

		Sample	SP7 @ 12'	SP7 @ 13'	SP7 @ 14'
Analyte	Method	Date	7/20/15	7/20/15	7/20/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		784	496	32

CARDINAL Laboratories

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

July 28, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHU #172

Enclosed are the results of analyses for samples received by the laboratory on 07/21/15 14:00.

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

Cardinal Laboratories is accreditated 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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/21/2015	Sampling Date:	07/20/2015
Reported:	07/28/2015	Sampling Type:	Soil
Project Name:	SHU #172	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 1 @ SURFACE (H501889-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1390**	16.0	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 1 @ 1' (H501889-02)

Chloride, SM4500Cl-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	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 2 @ SURFACE (H501889-03)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1230**	16.0	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 2 @ 1' (H501889-04)

Chloride, SM4500Cl-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	07/26/2015	ND	416	104	400	3.92	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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:	07/21/2015	Sampling Date:	07/20/2015
Reported:	07/28/2015	Sampling Type:	Soil
Project Name:	SHU #172	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 3 @ SURFACE (H501889-05)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3440**	16.0	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 3 @ 1' (H501889-06)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 4 @ SURFACE (H501889-07)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**720**	16.0	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 4 @ 1' (H501889-08)

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	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 5 @ 12' (H501889-09)

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	07/26/2015	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

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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:	07/21/2015	Sampling Date:	07/20/2015
Reported:	07/28/2015	Sampling Type:	Soil
Project Name:	SHU #172	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 5 @ 13' (H501889-10)

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	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 5 @ 14' (H501889-11)

Chloride, SM4500Cl-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	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 6 @ 12 (H501889-12)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 6 @ 13 (H501889-13)

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	07/26/2015	ND	416	104	400	3.92	

Sample ID: SP 6 @ 14 (H501889-14)

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	07/28/2015	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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:	07/21/2015	Sampling Date:	07/20/2015
Reported:	07/28/2015	Sampling Type:	Soil
Project Name:	SHU #172	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 7 @ 12' (H501889-15)

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	07/28/2015	ND	416	104	400	0.00	

Sample ID: SP 7 @ 13' (H501889-16)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	07/28/2015	ND	416	104	400	0.00	

Sample ID: SP 7 @ 14' (H501889-17)

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	07/28/2015	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

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

		BILL TO	
Company Name:	BBC International, Inc.	P.O. #:	
Project Manager:	Cliff Brunson	Company:	
Address:	P.O. Box 805	Attn:	
City:	Hobbs State: NM Zip: 88241	Address:	
Phone #:	575-397-6388 Fax #: 575-397-0397	City:	
Project #:	Project Owner: OXY	State: Zip:	
Project Name:	SHU-172 Injection	Phone #:	
Project Location:	Hobbs, NM	Fax #:	
Sampler Name:	V.O		

ANALYSIS REQUEST: Cl-

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
H501889														
1	SP1@SURFACE	G	1			✓					✓		7-20	933
2	@1	G	1			✓					✓			945
3	SP2@SURFACE	G	1			✓					✓			1010
4	@1	G	1			✓					✓			1030
5	SP3@SURFACE	G	1			✓					✓			1044
6	@1	G	1			✓					✓			1109
7	SP4@SURFACE	G	1			✓					✓			1131
8	@1	G	1			✓					✓			1200
9	SP5@12	G	1			✓					✓			111
10	@13	G	1			✓					✓		↓	130

Relinquished By:	Date: 7-21-15	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 14:00		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -9.2°

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

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

#54

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/2

Company Name:	BBC International, Inc.	BILL TO	
Project Manager:	Cliff Brunson	P.O. #:	
Address:	P.O. Box 805	Company:	
City:	Hobbs	State: NM Zip: 88241	Attn: JAMI
Phone #:	575-397-6388	Fax #: 575-397-0397	Address:
Project #:		Project Owner: OXY	City:
Project Name:	SHU-172 Injection		State: Zip:
Project Location:	Hobbs, NM		Phone #:
Sampler Name:	T.O		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: C1-											
11	Sp5C14	G	1			✓					✓		7.2.15	145	X											
12	Sp6C12	G	1			✓					✓			159	X											
13	C13	G	1			✓					✓			222	X											
14	C14	G	1			✓					✓			230	X											
15	Sp7C12	G	1			✓					✓			239	X											
16	C13	G	1			✓					✓			310	X											
17	C14	G	1			✓					✓			339	X											

Relinquished By:	Date: 7.2.15	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 14:00		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -9.2°C

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

† 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	Contact Tony Aguilar
Address 1017 W. Stanolind Road	Telephone No. (575) 397-8251
Facility Name SHU #172 Injection line	Facility Type Injection

Surface Owner	Mineral Owner	API No. 30-025-28543

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
NE ¼	9	19S	38E					Lea County, NM

Latitude N 32.68019° **Longitude** W 103.147789°

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 150 bbls	Volume Recovered 0 bbls
Source of Release Stress/fatigue of a 4" fiberglass injection line	Date and Hour of Occurrence 07/11/2015	Date and Hour of Discovery
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Kellie Jones- NMOCD	
By Whom? Tony Aguilar, Oxy	Date and Hour 07/11/2015	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Stress or fatigue of a 4" fiberglass injection line caused 150 bbls of produced water to spill onto the ground. No fluids were recovered and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The area affected is approximately 100' x 75' on location to the east of the SHU water injection bldg. and into the trench. 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 ☐
Date: 7-16-15 Phone: (575) 397-8251	

* Attach Additional Sheets If Necessary