

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

HOBBS OCD
DEC 09 2013
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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	South Hobbs Unit Well 55	Facility Type	Injection

Surface Owner	State	Mineral Owner	Oxy Permian	API No.	30-025-07611
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	4	19S	38E	660	South	1980	East	Lea County, NM

Latitude N 32.68420° Longitude W 103.15075°

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	1400 bbls	Volume Recovered	120 bbls
Source of Release	Injection flow line	Date and Hour of Occurrence	08/02/2013 @ 8:00 am	Date and Hour of Discovery	08/05/2013 @ 8:00 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking, NMOCD		
By Whom?	Tony Aguilar	Date and Hour	08/05/2013 @ 10:25 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*


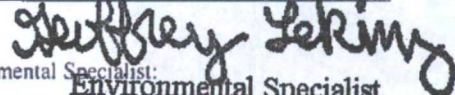
Internal corrosion, pressure, and end of life on an injection flow line caused 1400 bbls of produced water to leak onto the ground. 120 bbls of fluid were recovered via vacuum truck and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The area affected included the well pad and surrounding pasture land. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD in a meeting on 09/25/2013 and via email on 10/03/2013.

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.

OIL CONSERVATION DIVISION

Signature: 	 Approved by Environmental Specialist: Geoffrey Leking Environmental Specialist	
Printed Name: Tony Aguilar	Approval Date: <u>12/09/13</u>	Expiration Date: <u> </u>
Title: HES Specialist	Conditions of Approval: <u> </u>	Attached <input type="checkbox"/>
E-mail Address: Raymon_Aguilar@oxy.com		
Date: <u>12-4-13</u> Phone: (575) 397-8251		

* Attach Additional Sheets If Necessary

Closure Report

HOBBS OCD

DEC 09 2013

Site Description

RECEIVED

Site Name:	SHU #55
Company:	Oxy Permian Ltd.
Legal Description:	U/L O, Section 4, T19S, R38E
County:	Lea County, NM
GPS Coordinates:	N 32.68420° W 103.15075°

Release Data

Date of Release:	08/02/2013	approved
Type of Release:	Produced Water	Geoffrey Leking
Source of Release:	Injection flow line	Environmental Specialist
Volume of Release:	1400 bbls	NMOCD-DIST 1
Volume Recovered:	120 bbls	12/09/13

Remediation Specifications

Remediation Parameters:	Excavate across the entire leak area to a depth of 1 foot. Backfill the site with clean soil.	
Remediation Activities:	11/14/2013 to 11/26/2013	
Plan Sent to OCD:	10/02/2013	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	10/03/2013	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	Not required	Not required
BLM Approval of Plan:	Not required	Not required

Supporting Documentation

Initial C-141	Signed 08/14/2013
Final C-141	Signed 12/04/2013
Site Diagram	September 2013
Groundwater Plot	<50'
TOPO Maps	September 2013
Lab Summary	08/20/2013 to 08/21/2013
Lab Analysis	08/20/2013 to 08/21/2013
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.

12/04/2013

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Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	South Hobbs Unit Well 55	Facility Type	Injection
Surface Owner	State	Mineral Owner	Oxy Permian
		API No.	30-025-07611

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	4	19S	38E	660	South	1980	East	Lea County, NM

Latitude N 32.68420° Longitude W 103.15075°

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By Whom?	Tony Aguilar	Date and Hour	08/05/2013 @ 10:25 am		
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OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist:		
Printed Name: Tony Aguilar	Approval Date:	Expiration Date:	
Title: HES Specialist	Conditions of Approval:		
E-mail Address: Raymond_Aguilar@oxy.com	Attached <input type="checkbox"/>		
Date: 8-14-13 Phone: (575) 397-8251			

* Attach Additional Sheets If Necessary

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Facility Name	South Hobbs Unit Well 55	Facility Type	Injection
Surface Owner	State	Mineral Owner	Oxy Permian
		API No.	30-025-07611

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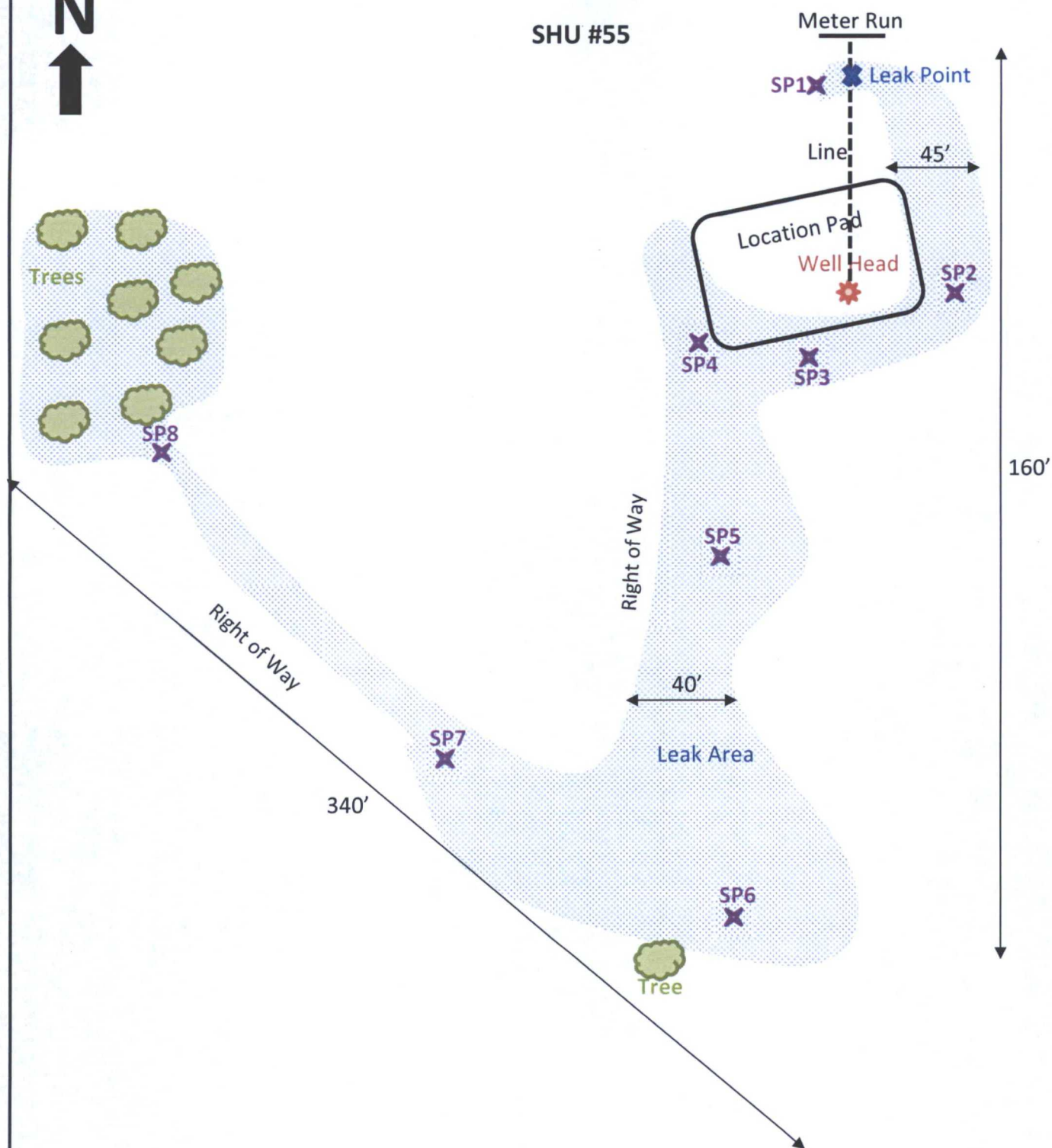
OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist:		
Printed Name: Tony Aguilar	Approval Date:	Expiration Date:	
Title: HES Specialist	Conditions of Approval:		
E-mail Address: Raymond_Aguilar@oxy.com	Attached <input type="checkbox"/>		
Date: <u>8-14-13</u> Phone: (575) 397-8251			

* Attach Additional Sheets If Necessary



Oxy
SHU #55



U/L O, Section 4, T19S, R38E

660' FSL and 1980' FEL

Lea County, NM

GPS at Stake: N 32.68361° W 103.15179°

API# 30-025-07611

BBC International, Inc.

Oxy
SHU #55

Date: 09/10/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013

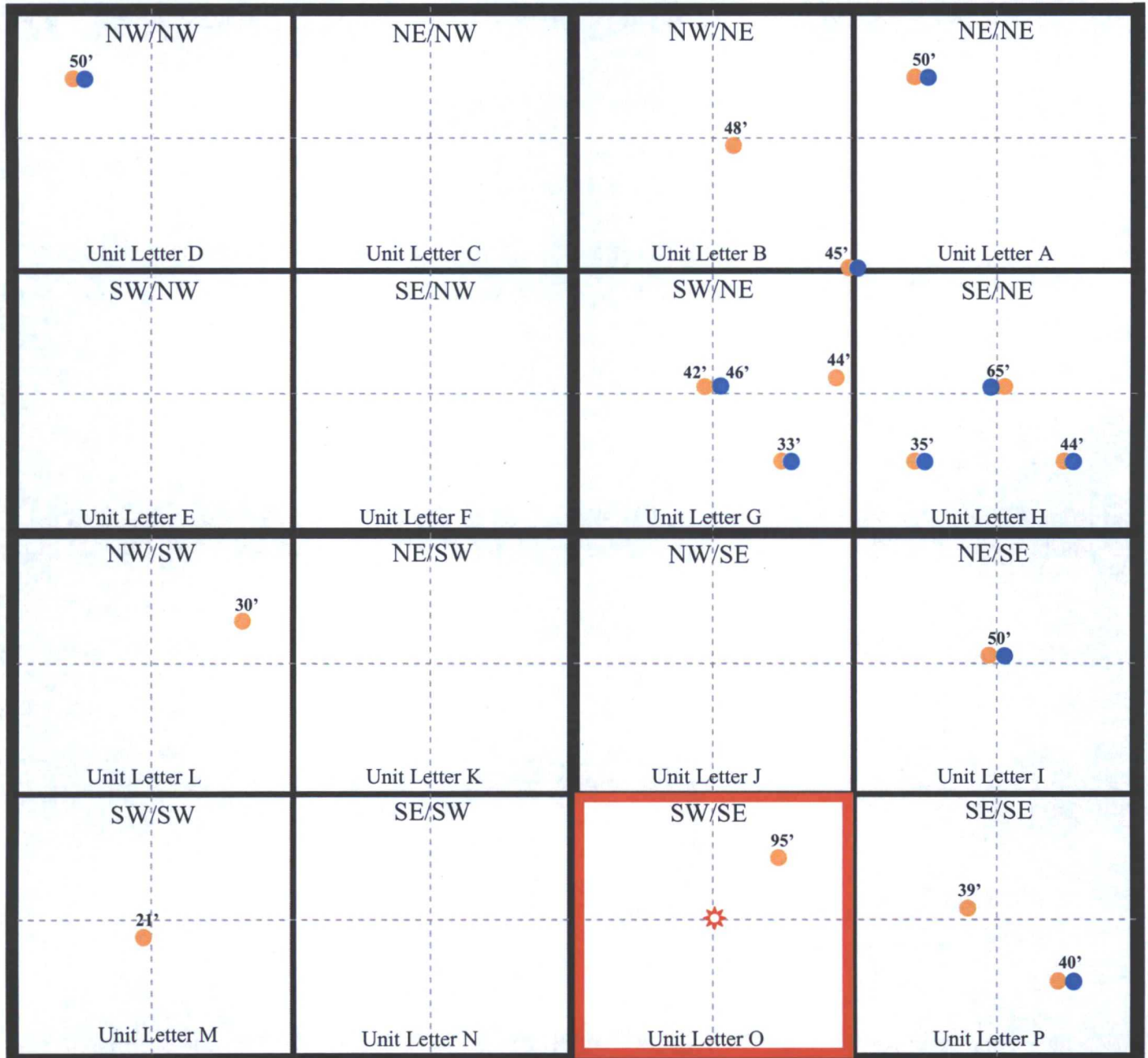
Oxy SHU #55

County Lea Unit Letter O Section 4 Township 19S Range 38E

Trend Map <50'

1

2

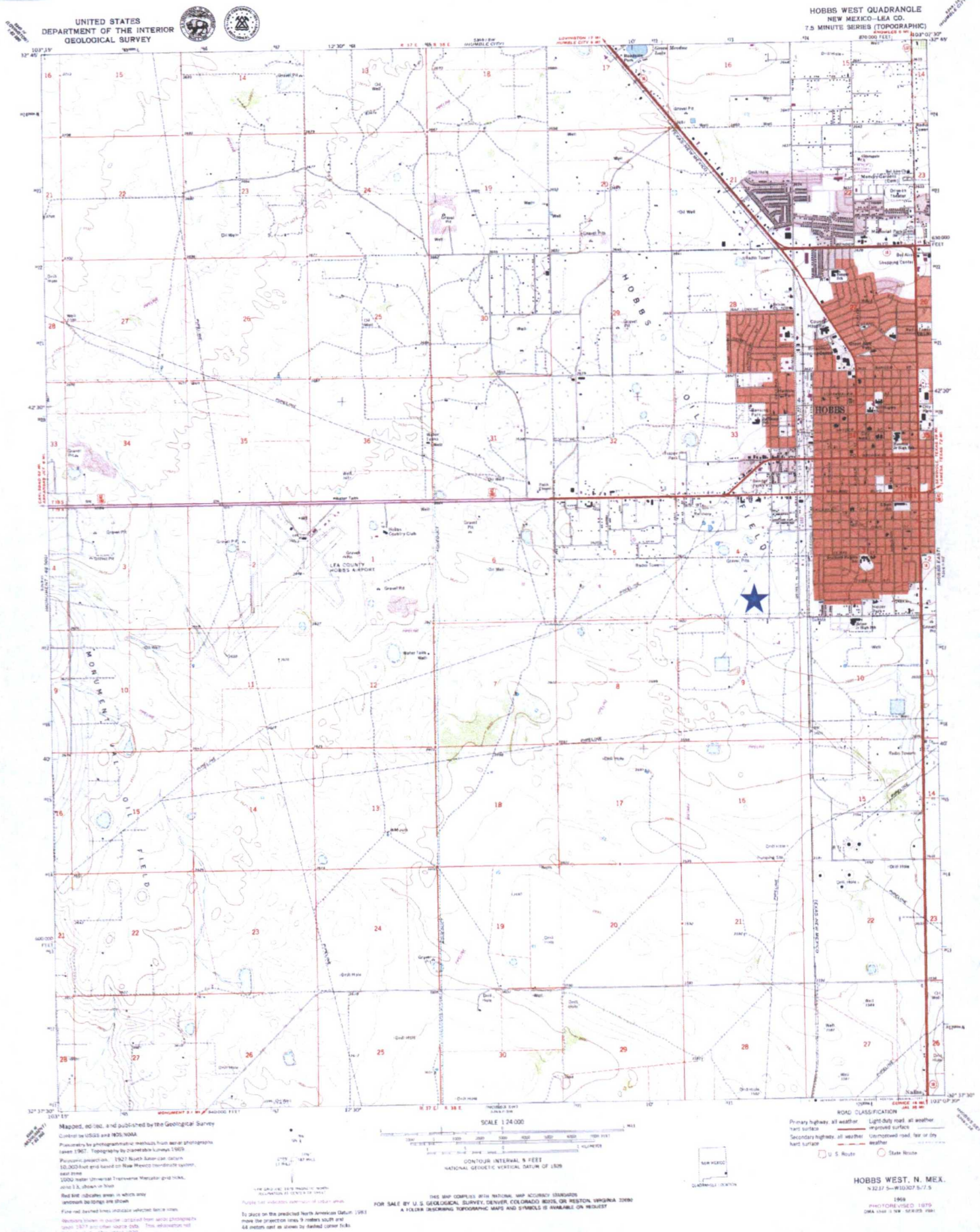


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Oxy

SHU #55



[illegible]

LEA COUNTY
HOBBS AIRPORT

Laboratory Analytical Results Summary
SHU #55

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	8/20/13	8/20/13	8/20/13
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		512	288	<16.0

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	8/20/13	8/20/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		432	16

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	8/20/13	8/21/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		656	160

		Sample	SP4 @ 1'	SP4 @ 1.5'
Analyte	Method	Date	8/20/13	8/21/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		1390	272

		Sample	SP5 @ 1'	SP5 @ 1.5'
Analyte	Method	Date	8/20/13	8/21/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		336	160

		Sample	SP6 @ 1'	SP6 @ 1.5'
Analyte	Method	Date	8/21/13	8/21/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		368	256

		Sample	SP7 @ 1'	SP7 @ 1.5'
Analyte	Method	Date	8/21/13	8/21/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		848	320

		Sample	SP8 @ 1'	SP8 @ 1.5'
Analyte	Method	Date	8/21/13	8/21/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		1540	368



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

August 28, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

HOBBS OCD

DEC 09 2013

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RE: SOUTH HOBBS UNIT #55

Enclosed are the results of analyses for samples received by the laboratory on 08/22/13 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/22/2013
Reported: 08/28/2013
Project Name: SOUTH HOBBS UNIT #55
Project Number: NONE GIVEN
Project Location: HOBBS, NM

Sampling Date: 08/20/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H302014-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/28/2013	ND	400	100	400	3.92	

Sample ID: SP 1 @ 2' (H302014-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/28/2013	ND	400	100	400	3.92	

Sample ID: SP 1 @ 3' (H302014-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 2 @ 1' (H302014-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/28/2013	ND	400	100	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: 08/22/2013
 Reported: 08/28/2013
 Project Name: SOUTH HOBBS UNIT #55
 Project Number: NONE GIVEN
 Project Location: HOBBS, NM

 Sampling Date: 08/20/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H302014-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 3 @ 1' (H302014-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 3 @ 2' (H302014-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 4 @ 1' (H302014-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 4 @ 1.5' (H302014-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/28/2013	ND	400	100	400	3.92		

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*=Accredited Analyte

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

Received: 08/22/2013
Reported: 08/28/2013
Project Name: SOUTH HOBBS UNIT #55
Project Number: NONE GIVEN
Project Location: HOBBS, NM

Sampling Date: 08/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 @ 1' (H302014-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/28/2013	ND	400	100	400	3.92	

Sample ID: SP 5 @ 1.5' (H302014-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/28/2013	ND	400	100	400	3.92	

Sample ID: SP 6 @ 1' (H302014-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/28/2013	ND	400	100	400	0.00		

Sample ID: SP 6 @ 1.5' (H302014-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/28/2013	ND	400	100	400	0.00	

Sample ID: SP 7 @ 1' (H302014-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	08/28/2013	ND	400	100	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

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Reported: 08/28/2013
Project Name: SOUTH HOBBS UNIT #55
Project Number: NONE GIVEN
Project Location: HOBBS, NM

Sampling Date: 08/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 @ 1.5' (H302014-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/28/2013	ND	400	100	400	0.00	

Sample ID: SP 8 @ 1' (H302014-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1540	16.0	08/28/2013	ND	400	100	400	0.00		

Sample ID: SP 8 @ 1.5' (H302014-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/28/2013	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:													
Project Manager: Cliff Brunson		Company:													
Address: P.O. Box 805		Attn:													
City: Hobbs		Address:													
Phone #: 575-397-6388		City:													
Fax #: 575-397-0397		State:													
Project #: 555		Zip:													
Project Name: South Hobbs Unit #55		Project Owner: DVI													
Project Location: Hobbs, NM		Phone #:													
Sample Name: Cliff Brunson		Fax #:													
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	
A302014	SP101	X	1	X									8-20	11:01	
1	SP102	X	1	X									8-20	11:11	
2	SP103	X	1	X									8-20	11:32	
3	SP201	X	1	X									8-20	11:52	
4	SP202	X	1	X									8-20	10:1	
5	SP301	X	1	X									8-20	15:5	
6	SP302	X	1	X									8-21	9:09	
7	SP401	X	1	X									8-21	3:25	
8	SP401 1/2	X	1	X									8-21	10:12	
9	SP501	X	1	X									8-21	11:22	
10															
Relinquished By: [Signature]		Date: 8-22-15		Time: 11:00		Received By: [Signature]		Date: 8-22-15		Time: 11:00		Phone Result: [] Yes [] No		Add'l Phone #: []	
Delivered By: (Circle One)		Sample Condition		CHECKED BY: [Signature]		Fax Result: [] Yes [] No		Add'l Fax #: []							
Sampler - UPS - Bus - Other		Cool / Uncool		Checked		Checked		Checked		Checked		Checked		Checked	

1. 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.		P.O. #:		BILL TO												ANALYSIS REQUEST											
Project Manager: Cliff Brunson		Company:																									
Address: P.O. Box 805		Attn:																									
City: Hobbs		State: NM Zip: 88241																									
Phone #: 575-397-6388		Fax #: 575-397-0397																									
Project #:		Project Owner: OXY																									
Project Name: South Hobbs Unit #55		City: JAAVE																									
Project Location: Hobbs, NM		State: Zip:																									
Sample Name: 104 Claps		Phone #:																									
For Lab Use Only		Fax #:																									
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															
H320014	SP50 1 1/2										0-21	105	X														
12	SP60 1										219	219	X														
13	SP60 1 1/2										239	301	X														
14	SP70 1 1/2										330	400	X														
15	SP80 1 1/2										430	430	X														
16	SP80 1 1/2																										
17	SP80 1 1/2																										

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Relinquished By: [Signature] Date: 8/27/13 Received By: [Signature] Date: 11:00

Relinquished By: [Signature] Date: 11:00 Received By: [Signature] Date: 11:00

Delivered By: (Circle One) UPS Sample Condition: Good Checked By: [Signature]

Sampler - UPS - Bus - Other: 142 Cool Yes Intact Yes No No No No

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

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Thursday, October 03, 2013 1:11 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-SHU #55-Remediation Plan

Cliff

RE: OXY-SHU #55-Remediation Plan

The remediation plan is approved as discussed at the September 25, 2013 meeting as detailed in your email below.

Please include all attachments to the email below in your closure report. Thank you.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, October 02, 2013 11:29 AM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-SHU #55-Remediation Plan

Geoff,

This message is to confirm our discussion on September 25, 2013 concerning the remediation plan for the Oxy MLMU #55 site. I have attached the site diagram and lab data summary table that we used in our discussion. As mutually agreed, Oy will excavate to a depth of 1 foot across the entire leak area. The site will then be backfilled with clean soil.

If you would please reply back via e-mail with your concurrence to 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:
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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Oxy
SHU #55

Meter Run

SP1X Leak Point

Line 45'

Location Pad

Well Head

SP2X

SP4X

SP3X

160'

Right of Way

SP5X

40'

Leak Area

SP6X

Tree

Right of Way

Attachment:
Remediation
Packet

U/L O, Section 4, T19S, R38E

660' FSL and 1980' FEL

Lea County, NM

GPS at Stake: N 32.68361° W 103.15179°

API# 30-025-07611

BBC International, Inc.

Oxy
SHU #55

Date: 09/10/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Section Quarters

Oxy SHU #55

County
Lea

Unit Letter
O

Section
4

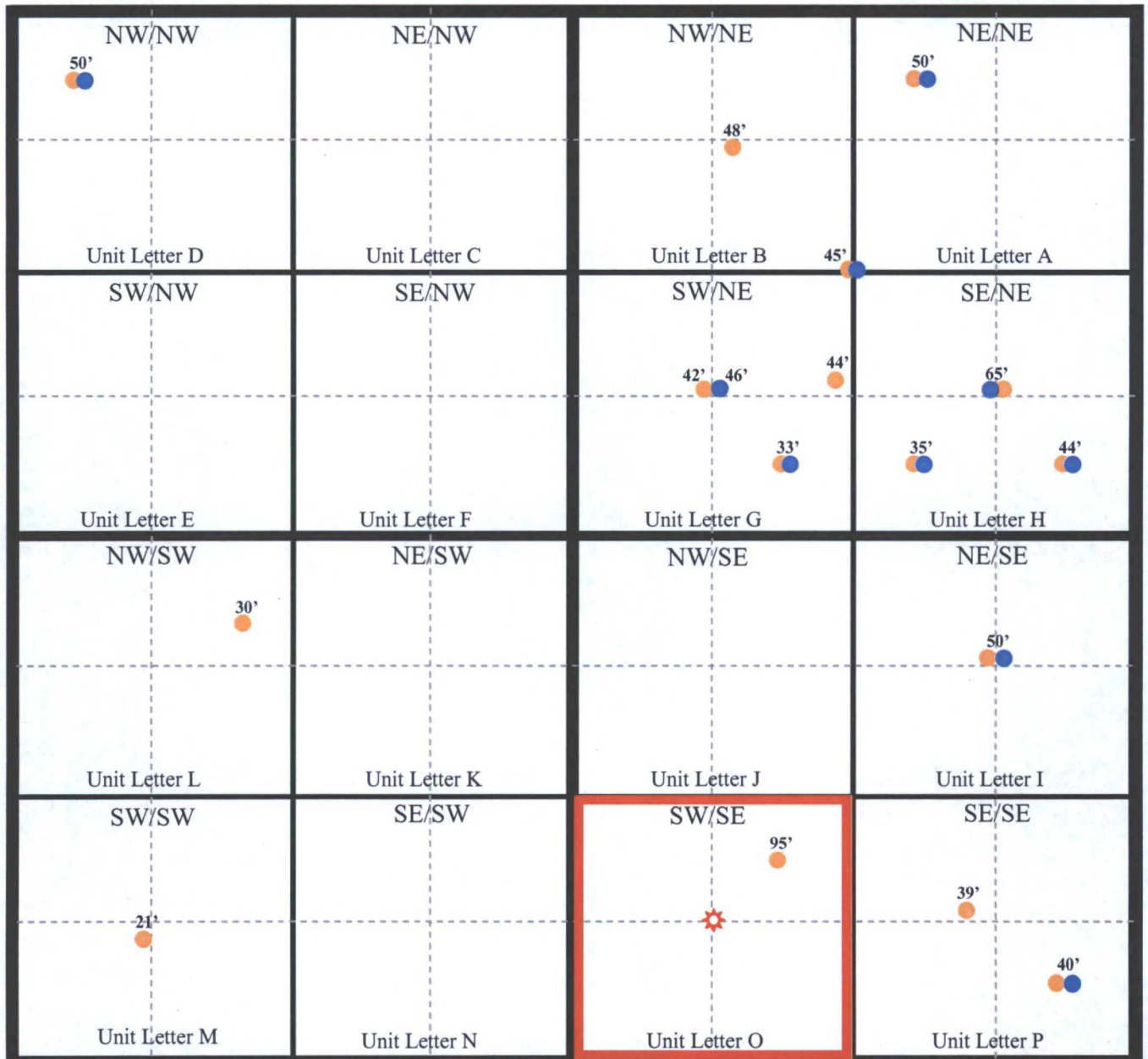
Township
19S

Range
38E

Trend Map <50'

1

2



3

4

★ Location

● OCD

● USGS

● SEO

● All Databases

Laboratory Analytical Results Summary
SHU #55

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	8/20/13	8/20/13	8/20/13
Chloride	SM4500Cl-B		mg/Kg 512	mg/Kg 288	mg/Kg <16.0

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	8/20/13	8/20/13
Chloride	SM4500Cl-B		mg/Kg 432	mg/Kg 16

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	8/20/13	8/21/13
Chloride	SM4500Cl-B		mg/Kg 656	mg/Kg 160

		Sample	SP4 @ 1'	SP4 @ 1.5'
Analyte	Method	Date	8/20/13	8/21/13
Chloride	SM4500Cl-B		mg/Kg 1390	mg/Kg 272

		Sample	SP5 @ 1'	SP5 @ 1.5'
Analyte	Method	Date	8/20/13	8/21/13
Chloride	SM4500Cl-B		mg/Kg 336	mg/Kg 160

		Sample	SP6 @ 1'	SP6 @ 1.5'
Analyte	Method	Date	8/21/13	8/21/13
Chloride	SM4500Cl-B		mg/Kg 368	mg/Kg 256

		Sample	SP7 @ 1'	SP7 @ 1.5'
Analyte	Method	Date	8/21/13	8/21/13
Chloride	SM4500Cl-B		mg/Kg 848	mg/Kg 320

		Sample	SP8 @ 1'	SP8 @ 1.5'
Analyte	Method	Date	8/21/13	8/21/13
Chloride	SM4500Cl-B		mg/Kg 1540	mg/Kg 368



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

August 28, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOUTH HOBBS UNIT #55

Enclosed are the results of analyses for samples received by the laboratory on 08/22/13 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/22/2013
 Reported: 08/28/2013
 Project Name: SOUTH HOBBS UNIT #55
 Project Number: NONE GIVEN
 Project Location: HOBBS, NM

 Sampling Date: 08/20/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H302014-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/28/2013	ND	400	100	400	3.92	

Sample ID: SP 1 @ 2' (H302014-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 1 @ 3' (H302014-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 2 @ 1' (H302014-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/28/2013	ND	400	100	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: 08/22/2013
Reported: 08/28/2013
Project Name: SOUTH HOBBS UNIT #55
Project Number: NONE GIVEN
Project Location: HOBBS, NM

Sampling Date: 08/20/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H302014-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 3 @ 1' (H302014-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 3 @ 2' (H302014-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 4 @ 1' (H302014-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	08/28/2013	ND	400	100	400	3.92	

Sample ID: SP 4 @ 1.5' (H302014-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/28/2013	ND	400	100	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: 08/22/2013
Reported: 08/28/2013
Project Name: SOUTH HOBBS UNIT #55
Project Number: NONE GIVEN
Project Location: HOBBS, NM

Sampling Date: 08/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 @ 1' (H302014-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/28/2013	ND	400	100	400	3.92	

Sample ID: SP 5 @ 1.5' (H302014-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/28/2013	ND	400	100	400	3.92		

Sample ID: SP 6 @ 1' (H302014-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/28/2013	ND	400	100	400	0.00	

Sample ID: SP 6 @ 1.5' (H302014-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/28/2013	ND	400	100	400	0.00	

Sample ID: SP 7 @ 1' (H302014-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	08/28/2013	ND	400	100	400	0.00		

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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: 08/22/2013
Reported: 08/28/2013
Project Name: SOUTH HOBBS UNIT #55
Project Number: NONE GIVEN
Project Location: HOBBS, NM

Sampling Date: 08/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 7 @ 1.5' (H302014-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/28/2013	ND	400	100	400	0.00	

Sample ID: SP 8 @ 1' (H302014-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	08/28/2013	ND	400	100	400	0.00	

Sample ID: SP 8 @ 1.5' (H302014-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/28/2013	ND	400	100	400	0.00	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORY, INC.
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476
BBC International, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 8

ARDINAL LABORATORIES
101 East Martindale Hobbs, NIM 88240
(505) 393-2326 FAX (505) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P O Box 805
City: Hobbs
Phone #: 575-397-6388
Project #: 575-397-0397
Project Location: South Hobbs Unit #55
Project Name: Hobbs, New Mexico
Sample Name: 1st Crocetes
FOR LAB USE ONLY

P.O. #:
Company:
Address:
City:
State:
Zip:
Phone #:
Fax #:

Lab I.D.	Sample I.D.	G/RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE			
H302014	SP101	G	1										
	SP102	G	1										
	SP103	G	1										
	SP201	G	1										
	SP202	G	1										
	SP301	G	1										
	SP302	G	1										
	SP401	G	1										
	SP401 1/2	G	1										
	SP501	G	1										

DATE

TIME

DATE

TIME

Relinquished By: [Signature]
Relinquished By: [Signature]
Received By: [Signature]
Received By: [Signature]

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

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

REMARKS:

ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]