

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
RECEIVED

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.*

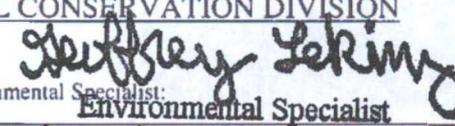
Describe Cause of Problem and Remedial Action Taken.*

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.

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

* Attach Additional Sheets If Necessary

Closure Report

HOBBS OCD

DEC 09 2013

Site Description

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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	<i>approved</i>
Type of Release:	Produced Water	<i>Geoffrey Leking</i>
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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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

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Latitude N 32.68420° Longitude W 103.15075°

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Describe Cause of Problem and Remedial Action Taken.*

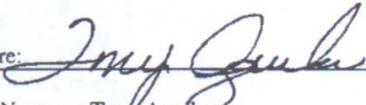
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OIL CONSERVATION DIVISION

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

* Attach Additional Sheets If Necessary

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Surface Owner	State	Mineral Owner	Oxy Permian	API No.	30-025-07611
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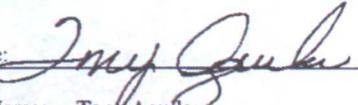
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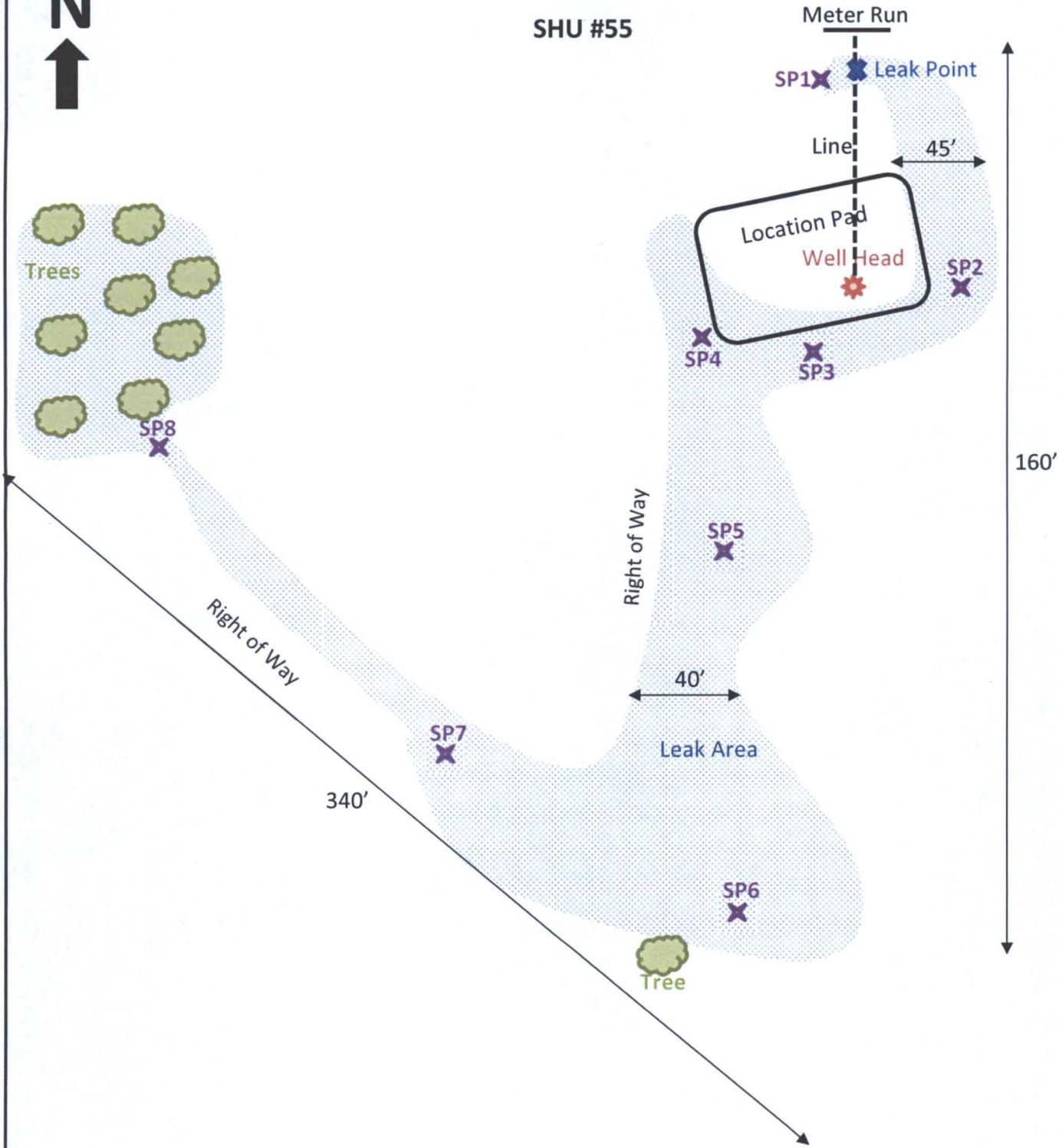
OIL CONSERVATION DIVISION

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



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

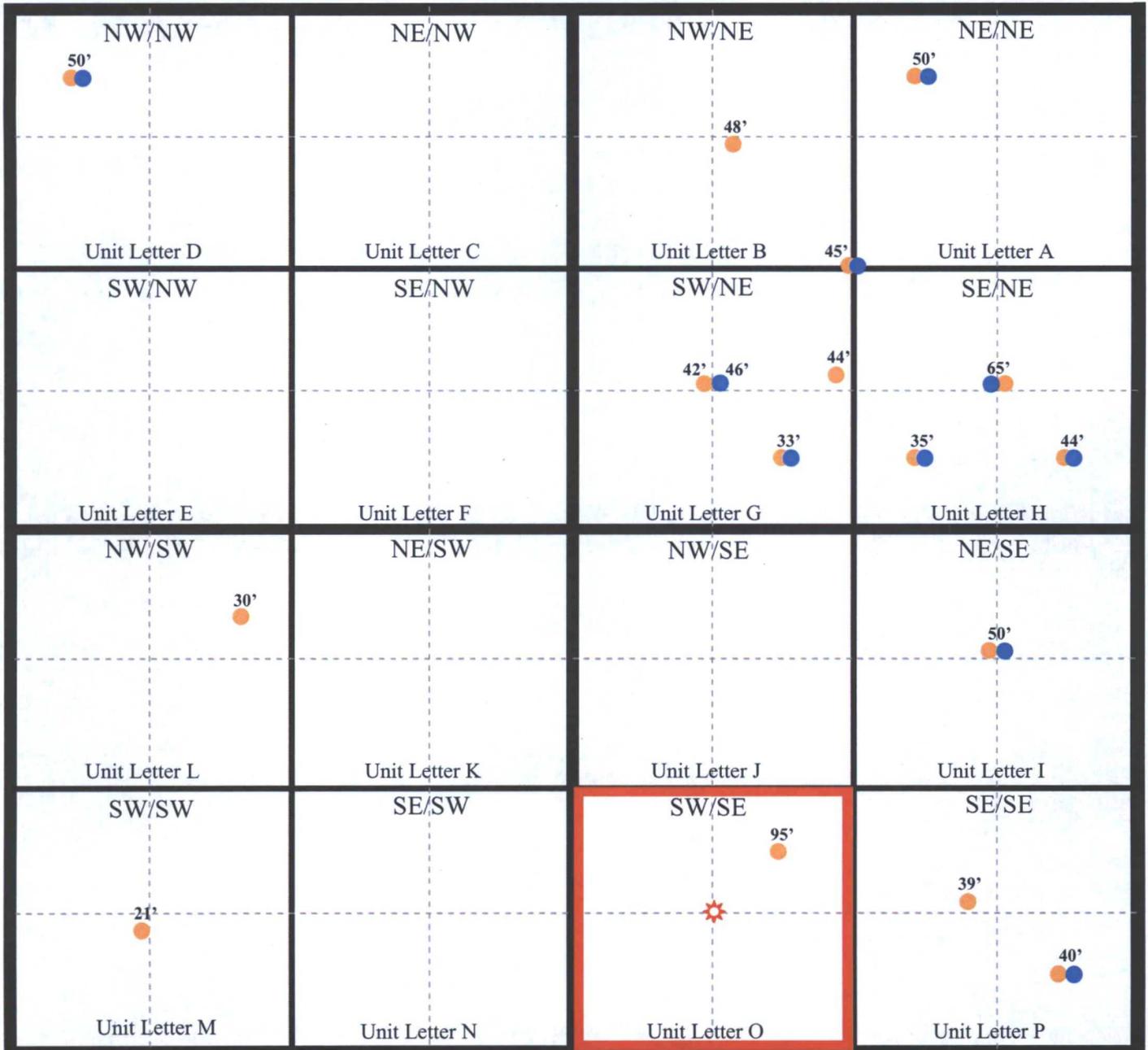
Oxy SHU #55

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

Trend Map <50'

1

2



3

4

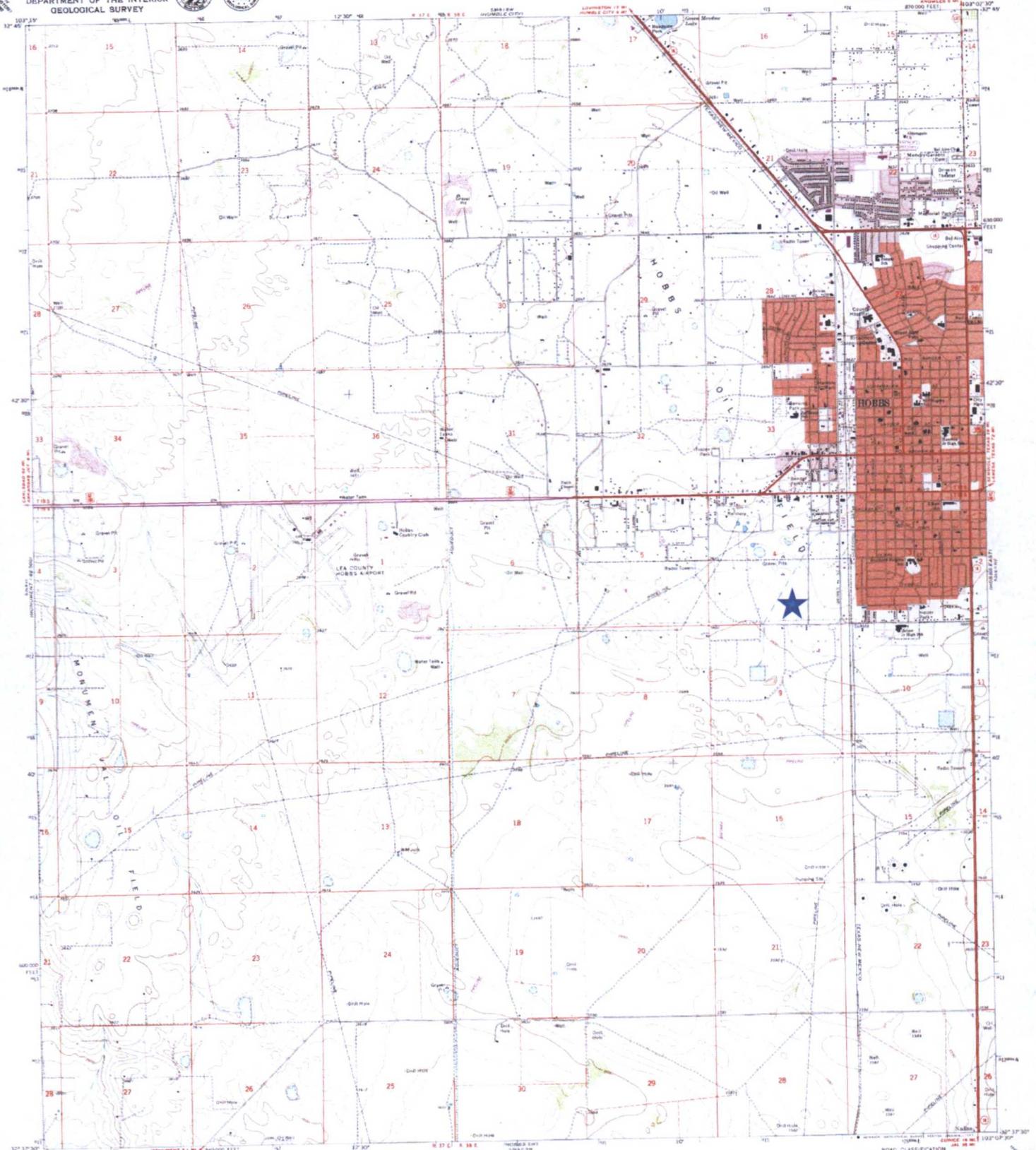
Oxy

SHU #55

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



HOBBS WEST QUADRANGLE
NEW MEXICO—LEA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
1:250,000 (SCALE)



Mapbed, ed. 1962, and published by the Geological Survey
Controlled by USGS and 1925 NOAA

Prepared by photogrammetric methods from aerial photographs
taken 1967. Topography by aneroid leveling, 1969

Principal projection, 1927 North American datum
10,000-foot grid based on New Mexico meridian system,
and zone

1000-foot Universal Transverse Mercator grid, NAD
and U.S. shown in blue

Red line indicates areas in which only
uncertain contours are shown

Five-foot dashed lines indicate selected bench lines

Boundaries shown in black, original from aerial photographs
taken 1977 and other source 1978. This information not
shown on other editions

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80260, ON REQUEST, ORIGINAL 2000
A COLOR DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

To place on the predicted North American Datum (NAD) 1983
move the projection lines 3 meters south and
44 meters east as shown by dashed corner ticks

SCALE 1:24,000



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1983

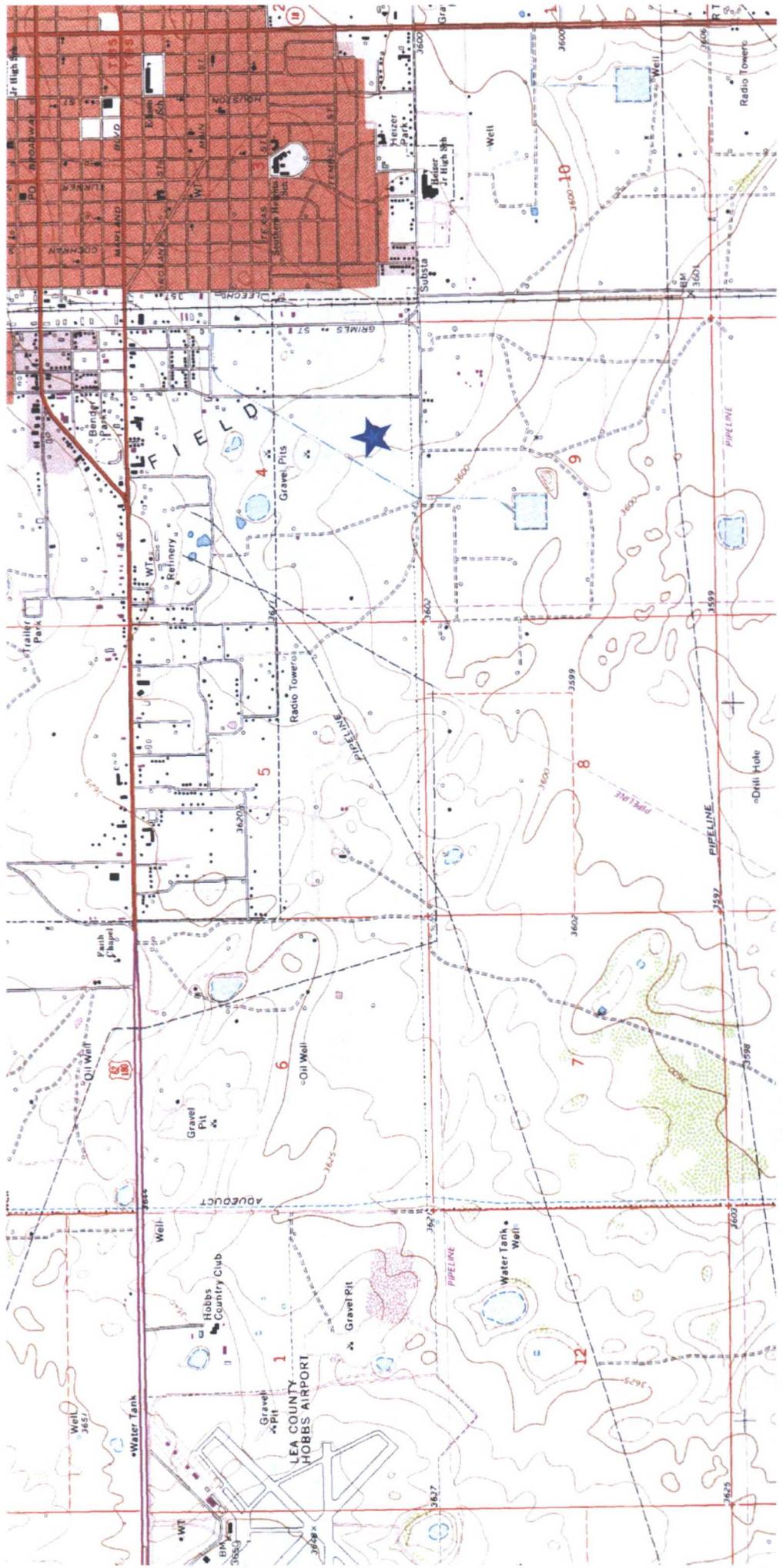


ROAD CLASSIFICATION	
Primary highway, all weather	Light-duty road, all weather
hard surface	improved surface
Secondary highway, all weather	unimproved road, top or dry
hard surface	weather
U. S. Route	State Route

HOBBS WEST, N. MEX.
N 32 37 30 W 103 07 30 E 7.5

1969
PHOTOGRAPHIC 1979
DMA 1:250,000 1969

Oxy SHU #55



Laboratory Analytical Results Summary
SHU #55

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

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

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

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

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

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

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

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

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	Sampling Date:	08/20/2013
Reported:	08/28/2013	Sampling Type:	Soil
Project Name:	SOUTH HOBBS UNIT #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

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

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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		

Cardinal Laboratories

*=Accredited Analyte

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 Cliff Brunson
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 Fax To: (575) 397-0397

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Reported:	08/28/2013	Sampling Type:	Soil
Project Name:	SOUTH HOBBS UNIT #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

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

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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		

Cardinal Laboratories

*=Accredited Analyte

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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:	08/22/2013	Sampling Date:	08/21/2013
Reported:	08/28/2013	Sampling Type:	Soil
Project Name:	SOUTH HOBBS UNIT #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

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

Chloride, SM4500CI-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, SM4500CI-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		

Cardinal Laboratories

*=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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*=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

Company Name: BBC International, Inc		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:					
Address: P.O. Box 805		Attn:					
City: Hobbs		Address:					
Phone #: 575-397-6388		City:					
State: NM		State:					
Zip: 88241		Zip:					
Project #: 575-397-0397		Project Owner:		DXV			
Project Name: South Hobbs West #55		Phone #:					
Project Location: Hobbs, NM		Fax #:					
Sample Name: Loft Driveway		DATE					
FOR LAB USE ONLY		TIME					

Lab I.D.	Sample I.D.	(G)RAB or (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	X						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER											
A302014	SP101	C	1	X							8-20	11:01	X							
	SP102	C	1	X							8-20	11:11	X							
	SP103	C	1	X							8-20	11:32	X							
	SP201	C	1	X							8-20	11:52	X							
	SP202	C	1	X							8-20	10:1	X							
	SP301	C	1	X							8-20	1:55	X							
	SP302	C	1	X							8-21	9:09	X							
	SP401	C	1	X							8-21	3:25	X							
	SP401 1/2	C	1	X							8-21	10:12	X							
	SP501	C	1	X							8-21	11:22	X							

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Relinquished By: Cliff Brunson	Date: 8-22-15	Received By: Yvonne Henderson	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: 11:00			Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other	Sample Condition Cool <input checked="" type="checkbox"/> Ambient <input type="checkbox"/> Yes <input type="checkbox"/> No Dry <input checked="" type="checkbox"/> Wet <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: [Signature]	REMARKS:	

#54

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

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, Oxy 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@bbcjinternational.com

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Oxy
SHU #55

Meter Run

SP1 X Leak Point

Line 45'

Location Pad

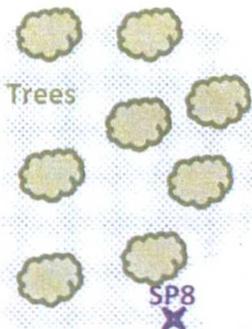
Well Head

SP2 X

SP4 X

SP3 X

160'



Right of Way

Attachment:
Remediation
Packet

Right of Way

SP5 X

40'

Leak Area

SP6 X



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

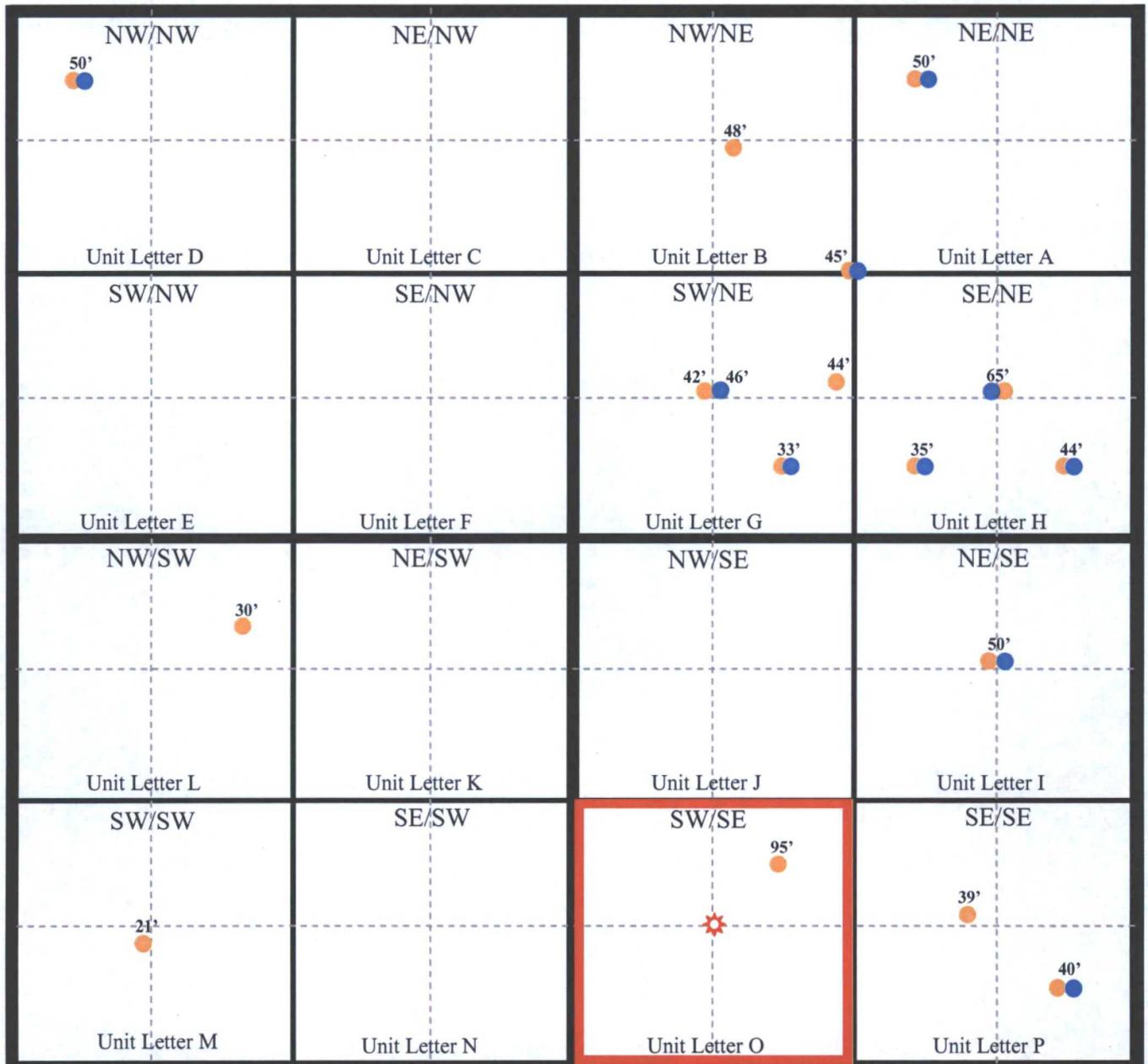
Oxy SHU #55

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

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

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

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

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

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

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

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

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

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	Sampling Date:	08/20/2013
Reported:	08/28/2013	Sampling Type:	Soil
Project Name:	SOUTH HOBBS UNIT #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

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

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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	Sampling Date:	08/21/2013
Reported:	08/28/2013	Sampling Type:	Soil
Project Name:	SOUTH HOBBS UNIT #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

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

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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	Sampling Date:	08/21/2013
Reported:	08/28/2013	Sampling Type:	Soil
Project Name:	SOUTH HOBBS UNIT #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

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

Chloride, SM4500CI-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, SM4500CI-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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:

Project Manager: Cliff Brunson Company:

Address: P.O. Box 805 State: NM Zip: 88241 Attn:

City: Hobbs Address: City: State: Zip: Phone #:

Phone #: 575-397-6388 Fax #: 575-397-0397 Project Owner: DXY

Project #: Project Name: South Hobbs Well #55 State: Zip: Phone #:

Project Location: Hobbs, NM Fax #: Project Name: South Hobbs Well #55

Sampler Name: Jeff Daniels Project Name: South Hobbs Well #55

FOR USE ONLY

Lab I.D.	Sample I.D.	G/RAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING				
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	OTHER:	DATE
H302014	SP101	1	X		X						8-20	1101
	SP102	1	X		X						8-20	1132
	SP103	1	X		X						8-20	1152
	SP201	1	X		X						8-20	101
	SP202	1	X		X						8-20	135
	SP301	1	X		X						8-21	909
	SP302	1	X		X						8-20	325
	SP401	1	X		X						8-21	1012
	SP401 1/2	1	X		X						8-21	1122
	SP501	1	X		X						8-21	1122

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Relinquished By: [Signature] Date: 8-12-15 Received By: [Signature] Date: 11-00

Delivered By: (Circle One) UPS - Bus - Other: 148 Sample Condition: Cool Ambient Yes No

Checked By: [Signature] Phone Result: Yes No Add'l Phone #: Add'l Fax #:

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54

