

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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

REC 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**  Initial Report  Final Report

Name of Company OXY PERMIAM	Contact TONY AGUILAR
Address 1017 W. STANOLIND ROAD	Telephone No. 575-397-8251
Facility Name SHU WELL 238	Facility Type INJECTION

Surface Owner STATE	Mineral Owner OXY PERMIAN	Lease No.
---------------------	---------------------------	-----------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	4	19	38					LEA

Latitude 68227 Longitude 14759

**NATURE OF RELEASE**

Type of Release INJECTION WELL FLOW LINE	Volume of Release 20 BBLS	Volume Recovered 0 BBLS
Source of Release PRODUCE WATER	Date and Hour of Occurrence 9/2/2013 7:00:00 AM	Date and Hour of Discovery 09-02-2013 07:00AM

Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES. To Whom?
--	------------------

By Whom?	Date and Hour
----------	---------------

Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES. Volume Impacting the Watercourse. N/A
---	--

If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*  
SHU WELL NUMBER 238 LEAK DUE TO INTERNAL CORROSION AND END OF LIFE ON 4" STEEL INJECTION FLOW LINE. THE LINE PRESSURE DURING OPERATIONS IS 1150#.

Describe Area Affected and Cleanup Action Taken.\*  
AFTER OR BEFORE REPAIRS. IT WILL BE TURNED OVER TO THE ENVIRONMENTAL DEPARTMENT FOR CLEAN-UP.

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: <i>Tony Aguilar</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: TONY AGUILAR	Approved by District Supervisor:	
Title: <i>HES Specialist</i>	Approval Date:	Expiration Date:
E-mail Address: RAYMOND_AGUILAR@OXY.COM	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <i>9-3-13</i> Phone: 575-397-8251		

\* Attach Additional Sheets If Necessary

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

DEC 09 2013

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

RECEIVED

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

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 238	Facility Type	Injection
Surface Owner	State	Mineral Owner	Oxy Permian
		API No.	30 025 314 24

**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					Lea County, NM

Latitude N 32.68227° Longitude W 103.14759°

**NATURE OF RELEASE**

Type of Release	Produced Water	Volume of Release	20 bbls	Volume Recovered	0 bbls
Source of Release	Injection flow line	Date and Hour of Occurrence	09/02/2013 @ 7:00 am	Date and Hour of Discovery	09/02/2013 @ 7:00 am
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required				
By Whom?	Tony Aguilar	If YES, To Whom?			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Date and Hour	08/05/2013 @ 10:25 am				
If YES, Volume Impacting the Watercourse.					

If a Watercourse was Impacted, Describe Fully.\*

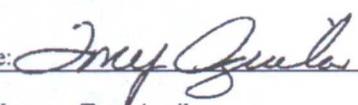
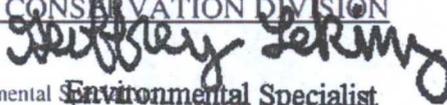
Describe Cause of Problem and Remedial Action Taken.\*

Internal corrosion, pressure, and end of life on an injection flow line caused 20 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*

The area affected was approximately 125' x 35'. 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: 	<u>OIL CONSERVATION DIVISION</u> 	
Printed Name: Tony Aguilar	Approved by Environmental <del>Specialist</del> <b>Environmental Specialist</b>	
Title: HES Specialist	Approval Date: 12/09/13	Expiration Date: -
E-mail Address: Raymon_Aguilar@oxy.com	Conditions of Approval: -	Attached <input type="checkbox"/>
Date: 12-4-13	Phone: (575) 397-8251	

\* Attach Additional Sheets If Necessary

# Closure Report

HOBBS OCD

DEC 09 2013

RECEIVED

## Site Description

Site Name:	SHU #238
Company:	Oxy Permian Ltd.
Legal Description:	U/L O, Section 4, T19S, R38E
County:	Lea County, NM
GPS Coordinates:	N 32.68227° W 103.14759°

## Release Data

Date of Release:	09/02/2013
Type of Release:	Produced Water
Source of Release:	Injection flow line
Volume of Release:	20 bbls
Volume Recovered:	0 bbls

approved  
Geoffrey Leking  
Environmental Specialist  
NMOCD-DIST 1  
12/09/13

## Remediation Specifications

Remediation Parameters:	Excavate to a depth of 1 foot to 1.5 feet across the entire leak area (represented by SP1, SP2, and SP3), not previously excavated. Collect bottom confirmation sample to be analyzed for chlorides. Then, backfill the site with clean soil.
Remediation Activities:	11/20/2013 to 11/27/2013

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 09/03/2013
Final C-141	Signed 12/04/2013
Site Diagram	September 2013
Groundwater Plot	25'-50'
TOPO Maps	September 2013
Lab Summary	09/16/2013
Lab Analysis	09/16/2013
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



Stake

Oxy  
SHU #238

Excavated for line repair

Leak Area  
125' x 35'

SP1

SP2

SP3

Road

U/L O, Section 4, T19S, R38E

660' FSL and 2610' FEL

Lea County, NM

GPS at stake: N 32.68216° W 103.14713°

API# 30-025-31424

BBC International, Inc.

Oxy  
SHU #238

Date: 09/09/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013

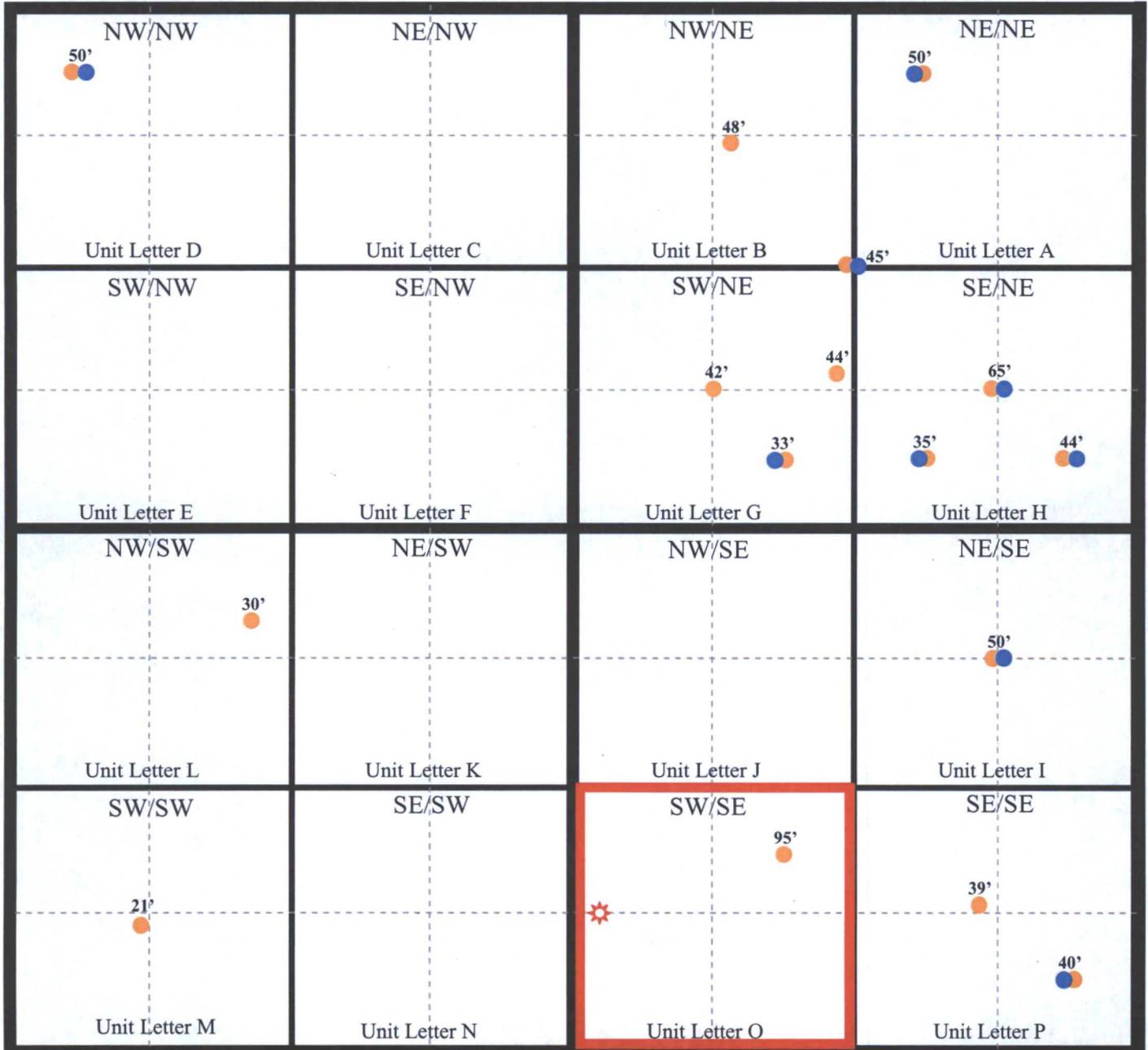
Oxy SHU #238

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

Trend Map 25'-50'

1

2



3

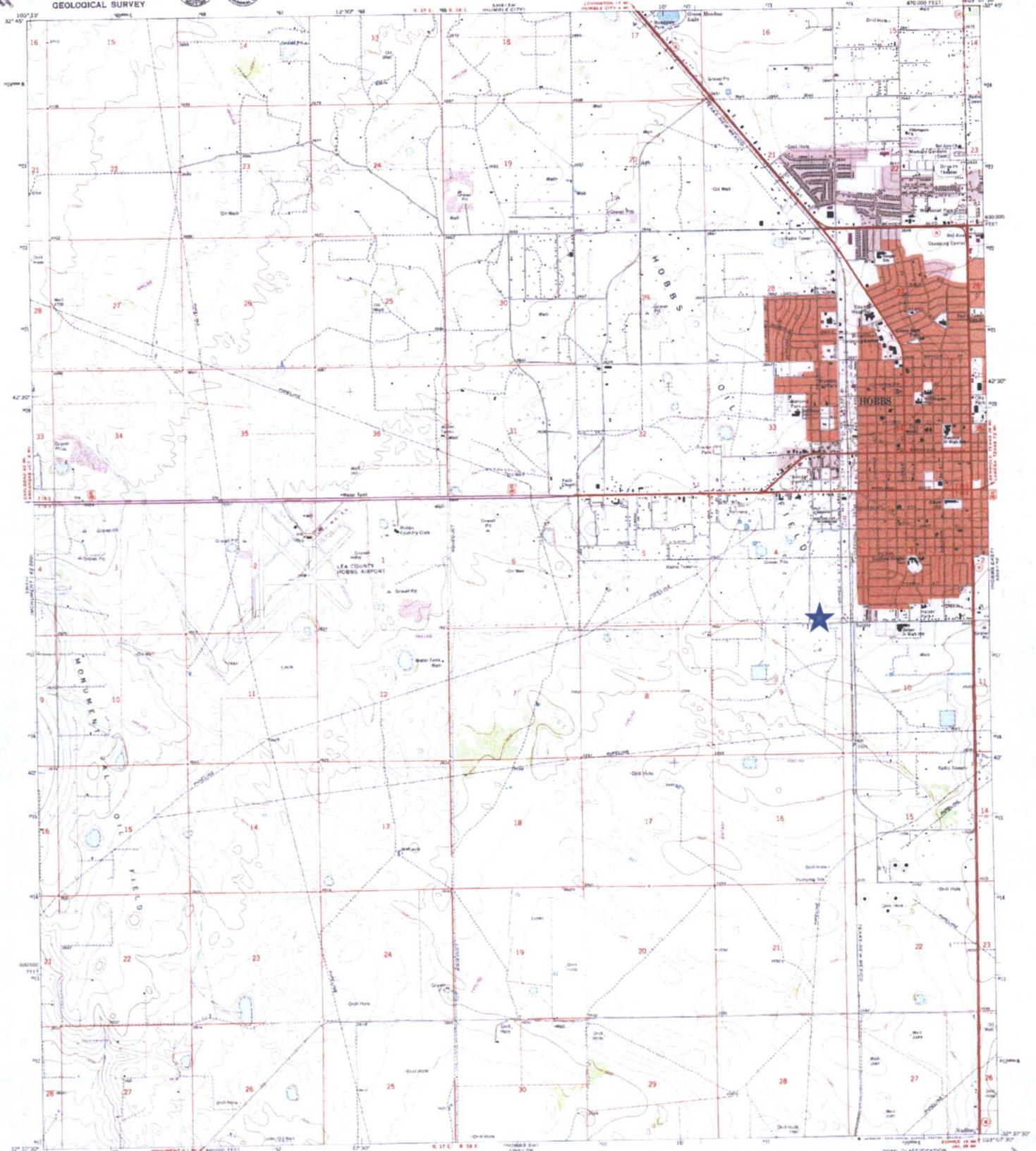
4

# Oxy

## SHU #238

HOBBS WEST QUADRANGLE  
NEW MEXICO-LEA CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
#70,000 FEET

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Photomaps by photogrammetric methods from aerial photographs  
taken 1967. Topography by photostereoscopy 1968.  
Projection: projected mer. 1927 North American Datum  
10,000 foot grid based on New Mexico coordinate system.  
Scale: 1:24,000  
1:50,000 meter Universal Transverse Mercator grid ticks,  
zone 13, shown in blue  
Red star indicates areas in which the  
underlying buildings are shown  
Fine red dashed lines indicate selected levee lines  
Distances shown in purple computed from aerial photographs  
taken 1977. All other distance data. This information is



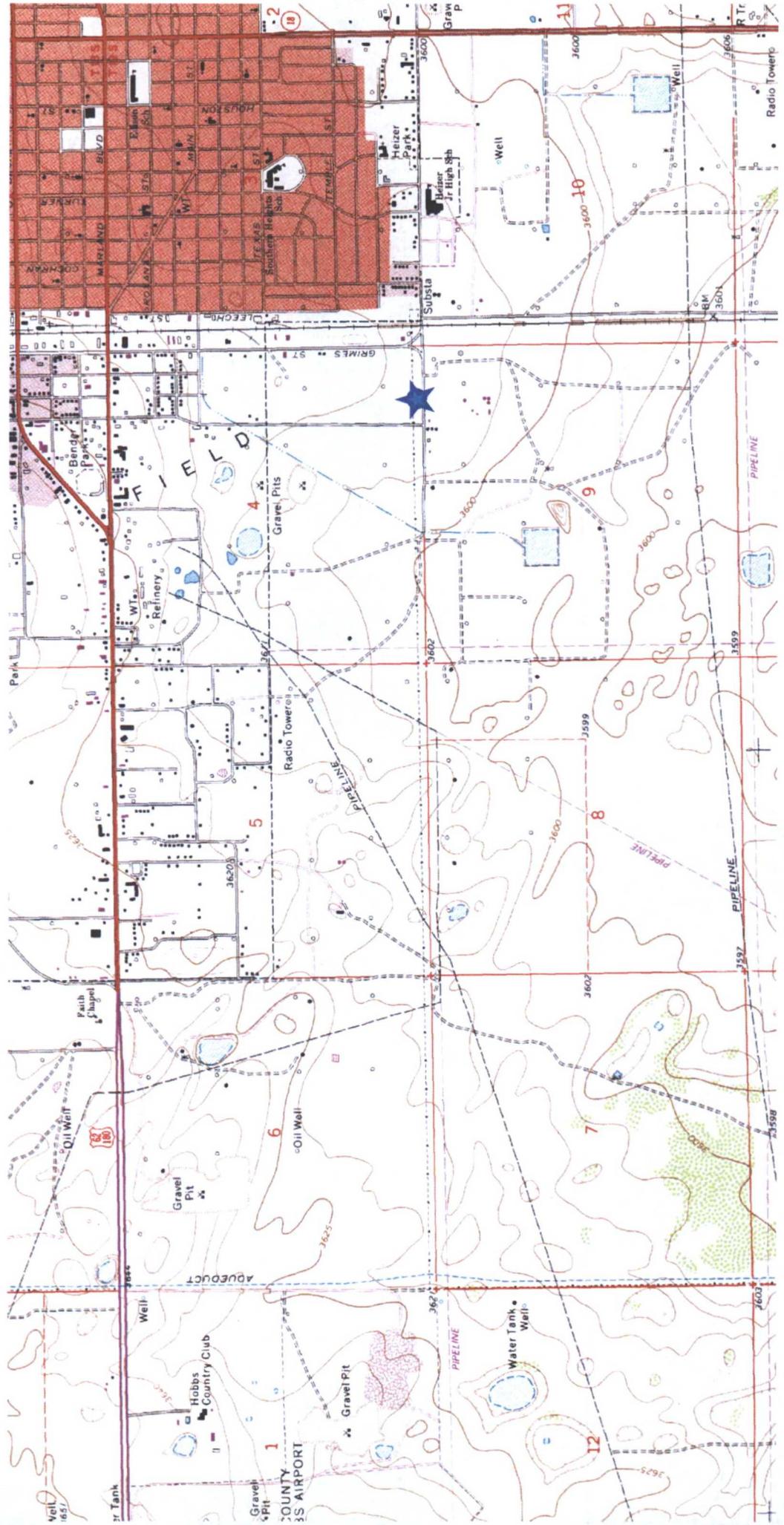
THIS MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DANVER, COLORADO 80526, OR WESTON, VIRGINIA 22092  
A FOLDER DISSEMINATING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Primary highway, all weather, hard surface	Light duty road, all weather, improved surface
Secondary highway, all weather, hard surface	Unimproved road, fair or dry weather
U.S. Route	State Route

HOBBS WEST, N. MEX.  
N 32° 17' S - W 10° 07' 30" E  
1969  
PHOTOCOPYED 1975  
GSA GEN. INT. REG. NO. 1000

# Oxy SHU #238



Laboratory Analytical Results Summary  
SHU #238

	Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Date	9/16/13	9/16/13
	Method	mg/Kg	mg/Kg
Chloride	SM4500Cl-B	5600	432

	Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Date	9/16/13	9/16/13
	Method	mg/Kg	mg/Kg
Chloride	SM4500Cl-B	6480	432

	Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Date	9/16/13	9/16/13
	Method	mg/Kg	mg/Kg
Chloride	SM4500Cl-B	6800	448



HOBBS OCD

DEC 09 2013

RECEIVED

September 20, 2013  
Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: SHU #238

Enclosed are the results of analyses for samples received by the laboratory on 09/16/13 16:20.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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: 09/16/2013  
 Reported: 09/20/2013  
 Project Name: SHU #238  
 Project Number: NONE GIVEN  
 Project Location: HOBBS, NM

 Sampling Date: 09/16/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ SURFACE (H302232-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	09/17/2013	ND	416	104	400	3.77		

**Sample ID: SP 1 @ 1' (H302232-02)**

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	09/18/2013	ND	416	104	400	0.00		

**Sample ID: SP 2 @ SURFACE (H302232-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	09/18/2013	ND	416	104	400	0.00		

**Sample ID: SP 2 @ 1' (H302232-04)**

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	09/18/2013	ND	416	104	400	0.00		

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/20/2013	Sampling Type:	Soil
Project Name:	SHU #238	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

**Sample ID: SP 3 @ SURFACE (H302232-05)**

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	09/18/2013	ND	416	104	400	0.00		

**Sample ID: SP 3 @ 1' (H302232-06)**

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	09/18/2013	ND	416	104	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

---

Cardinal Laboratories

\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



## Kathy Purvis

---

**From:** Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>  
**Sent:** Thursday, October 03, 2013 1:07 PM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY-SHU #238-Remediation Plan

Cliff

RE: OXY-SHU #238-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.leking@state.nm.us](mailto:geoffreyr.leking@state.nm.us)

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Wednesday, October 02, 2013 11:17 AM  
**To:** Leking, Geoffrey R, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-SHU #238-Remediation Plan

Geoff,

This message is to confirm our discussion on September 25, 2013 concerning the remediation plan for the Oxy SHU #238 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 1-1.5 feet across the leak area that has not already been excavated to repair the leak. This area is represented by sample points SP1-SP3. A bottom confirmation sample will then be collected and analyzed for chloride. 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](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*

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\*\*\*\*\*



Oxy

SHU #238

Stake 

Excavated for line repair

SP1 

Leak Area  
125' x 35'

*Attachment:  
Remediation  
Packet*

SP3 

Road

U/L O, Section 4, T19S, R38E

660' FSL and 2610' FEL

Lea County, NM

GPS at stake: N 32.68216° W 103.14713°

API# 30-025-31424

BBC International, Inc.

Oxy  
SHU #238

Date: 09/09/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Section Quarters

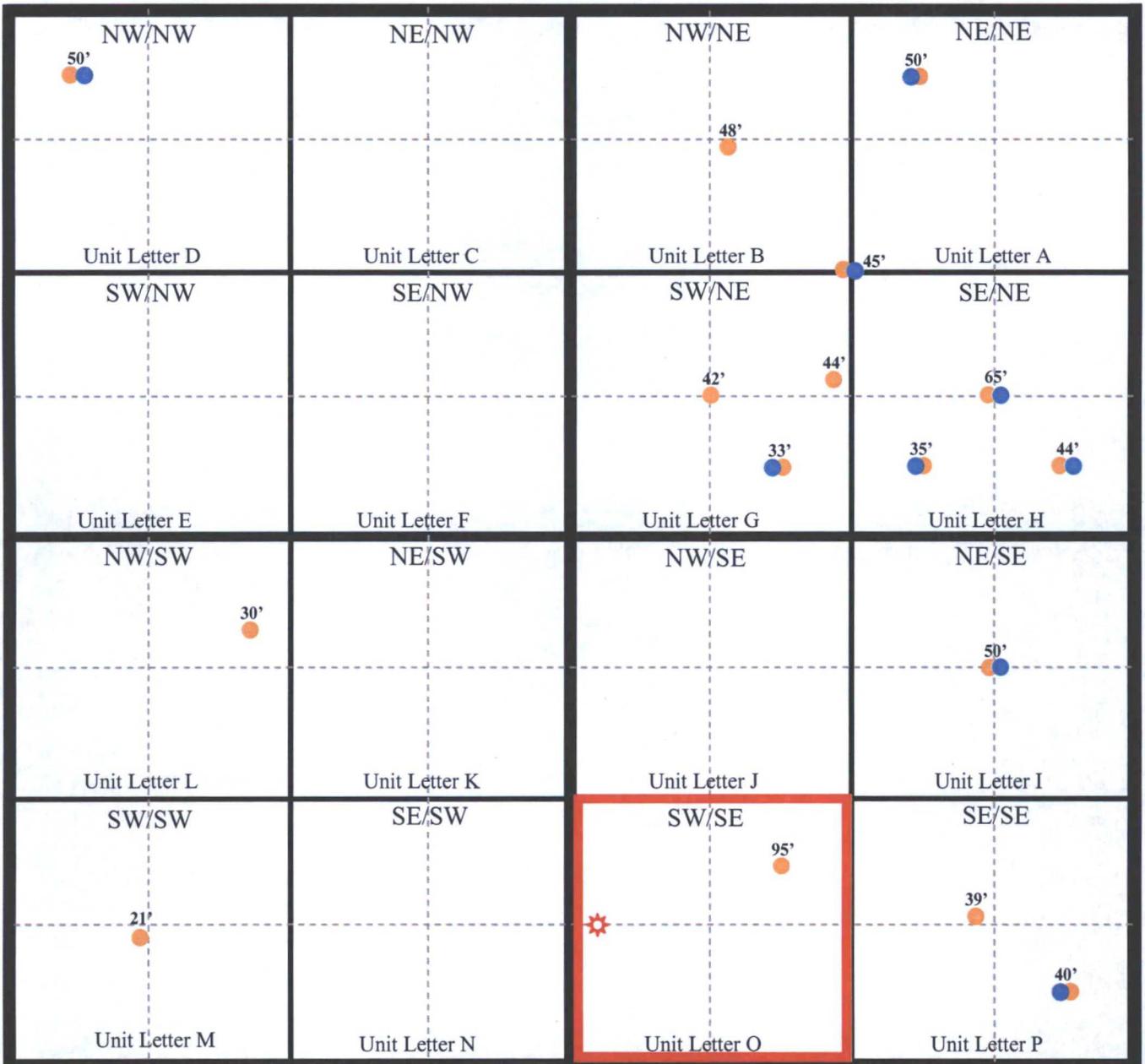
Oxy SHU #238

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

Trend Map 25'-50'

1

2



3

4

⚙ Location      ● OCD      ● USGS      ● SEO      ● All Databases

Laboratory Analytical Results Summary  
SHU #238

Analyte	Method	Sample		SP1 @ 1'	
		Date		9/16/13	mg/Kg
Chloride	SM4500Cl-B			5600	432

Analyte	Method	Sample		SP2 @ 1'	
		Date		9/16/13	mg/Kg
Chloride	SM4500Cl-B			6480	432

Analyte	Method	Sample		SP3 @ 1'	
		Date		9/16/13	mg/Kg
Chloride	SM4500Cl-B			6800	448

September 20, 2013

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: SHU #238

Enclosed are the results of analyses for samples received by the laboratory on 09/16/13 16:20.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



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:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/20/2013	Sampling Type:	Soil
Project Name:	SHU #238	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

**Sample ID: SP 1 @ SURFACE (H302232-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	09/17/2013	ND	416	104	400	3.77		

**Sample ID: SP 1 @ 1' (H302232-02)**

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	09/18/2013	ND	416	104	400	0.00		

**Sample ID: SP 2 @ SURFACE (H302232-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	09/18/2013	ND	416	104	400	0.00		

**Sample ID: SP 2 @ 1' (H302232-04)**

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	09/18/2013	ND	416	104	400	0.00		

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:	09/16/2013	Sampling Date:	09/16/2013
Reported:	09/20/2013	Sampling Type:	Soil
Project Name:	SHU #238	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

**Sample ID: SP 3 @ SURFACE (H302232-05)**

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>6800</b>	16.0	09/18/2013	ND	416	104	400	0.00		

**Sample ID: SP 3 @ 1' (H302232-06)**

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>448</b>	16.0	09/18/2013	ND	416	104	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

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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  
Project Manager: Cliff Brunson  
Address: P.O. Box 805  
City: Hobbs

**BILL TO**

P.O. #

Company:

Attn:

Address:

City:

State:

Phone #:

Zip:

ANALYSIS REQUEST

12/1

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Project # 575-397-6388 State: NM Zip: 88241  
Project Name: Hobbs # 258  
Project Location: Hobbs NM  
Project Owner: OUY  
Sample Name: Asper Laminates  
FOR LAB USE ONLY

Lab I.D. H302335  
Sample I.D.

Lab I.D.	Sample I.D.	Matrix	PRESERVATION	SAMPLING	DATE		TIME
					DATE	TIME	
1	SP10 SURFACE	(G)RAB OR (C)OMP			9-16-13	1040	
2	SP10 SURFACE	# CONTAINERS			9-16-13	1059	
3	SP30 SURFACE	GROUNDWATER			9-16-13	1119	
4	SP30 SURFACE	WASTEWATER			9-16-13	1131	
5	SP30 SURFACE	SOIL			9-16-13	1145	
6	SP30 SURFACE	OIL			9-16-13	1158	
		SLUDGE					
		OTHER					
		ACID/BASE					
		ICE/COOL					
		OTHER					

CHLORIDE

Relinquished By: [Signature]

Date: 9-16-13  
Time: 9:28

Received By: [Signature]

Date: 9-16-13  
Time: 11:58

Phone Result:  Yes  No  
Fax Result:  Yes  No  
Add'l Phone #:   
Add'l Fax #:   
REMARKS:

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

Date: 5.88  
Time: 5:22

Received By: [Signature]

Date: 5.88  
Time: 5:22

Phone Result:  Yes  No  
Fax Result:  Yes  No  
Add'l Phone #:   
Add'l Fax #:   
REMARKS:

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

Sample Condition  
Cool  Yes  No  
Intact  Yes  No  
CHECKED BY: [Signature]