

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

## OIL CONSERVATION DIVISION

Signature: <i>Tony Aguilar</i>	Approved by District Supervisor:	
Printed Name: TONY AGUILAR	Approval Date:	Expiration Date:
Title: <i>NES Specialist</i>	Conditions of Approval:	
E-mail Address: RAYMOND_AGUILAR@OXY.COM	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 31424

## 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	Date and Hour	08/05/2013 @ 10:25 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input type="checkbox"/> No				

If a Watercourse was Impacted, Describe Fully.\*

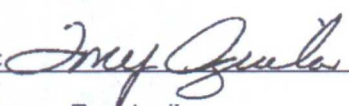
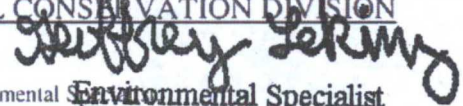
Describe Cause of Problem and Remedial Action Taken.\*

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: 	OIL CONSERVATION DIVISION 	
Printed Name: Tony Aguilar	Approved by Environmental <del>Specialist</del> Environmental Specialist	
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

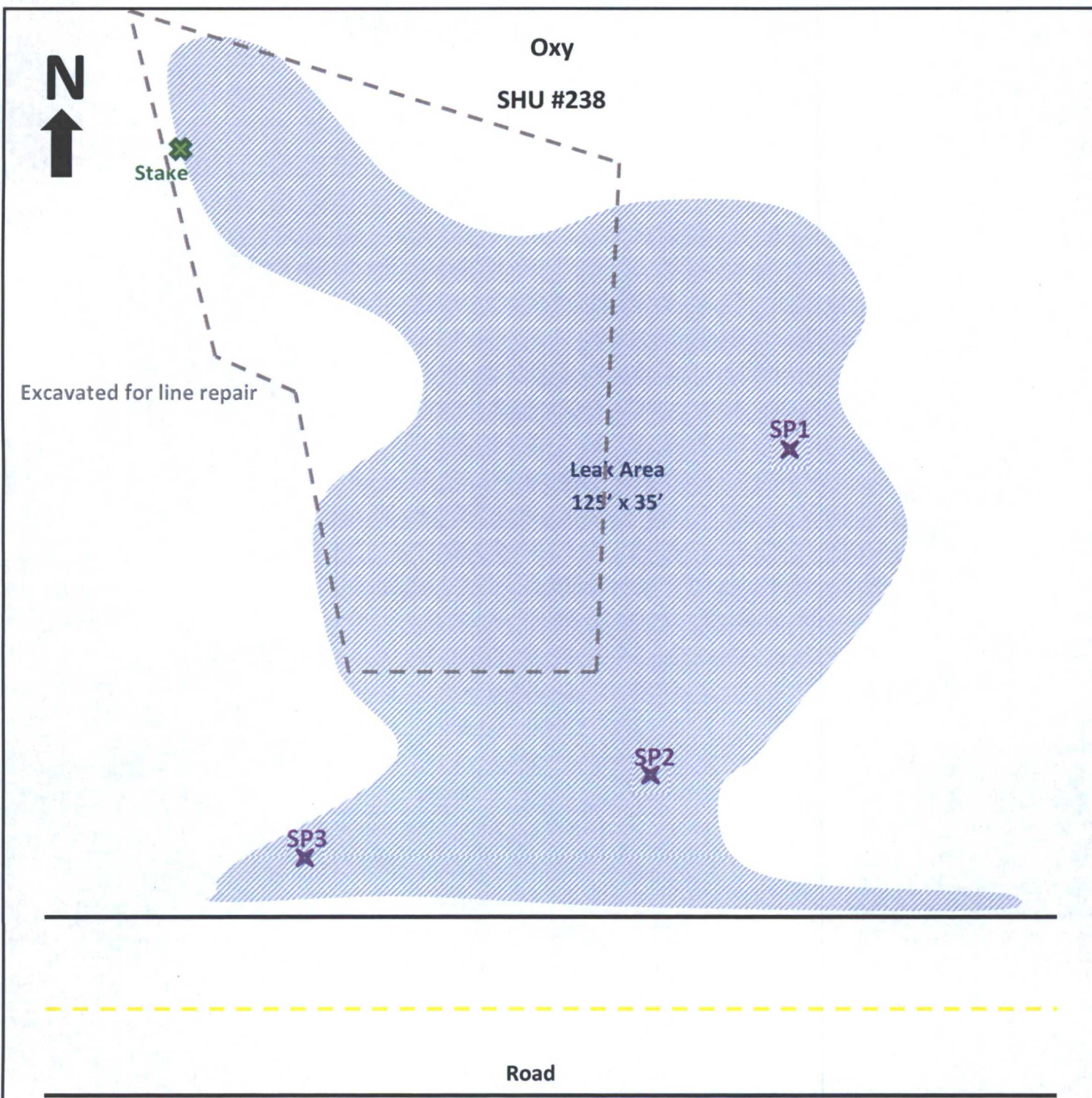
## Request for Closure

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





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

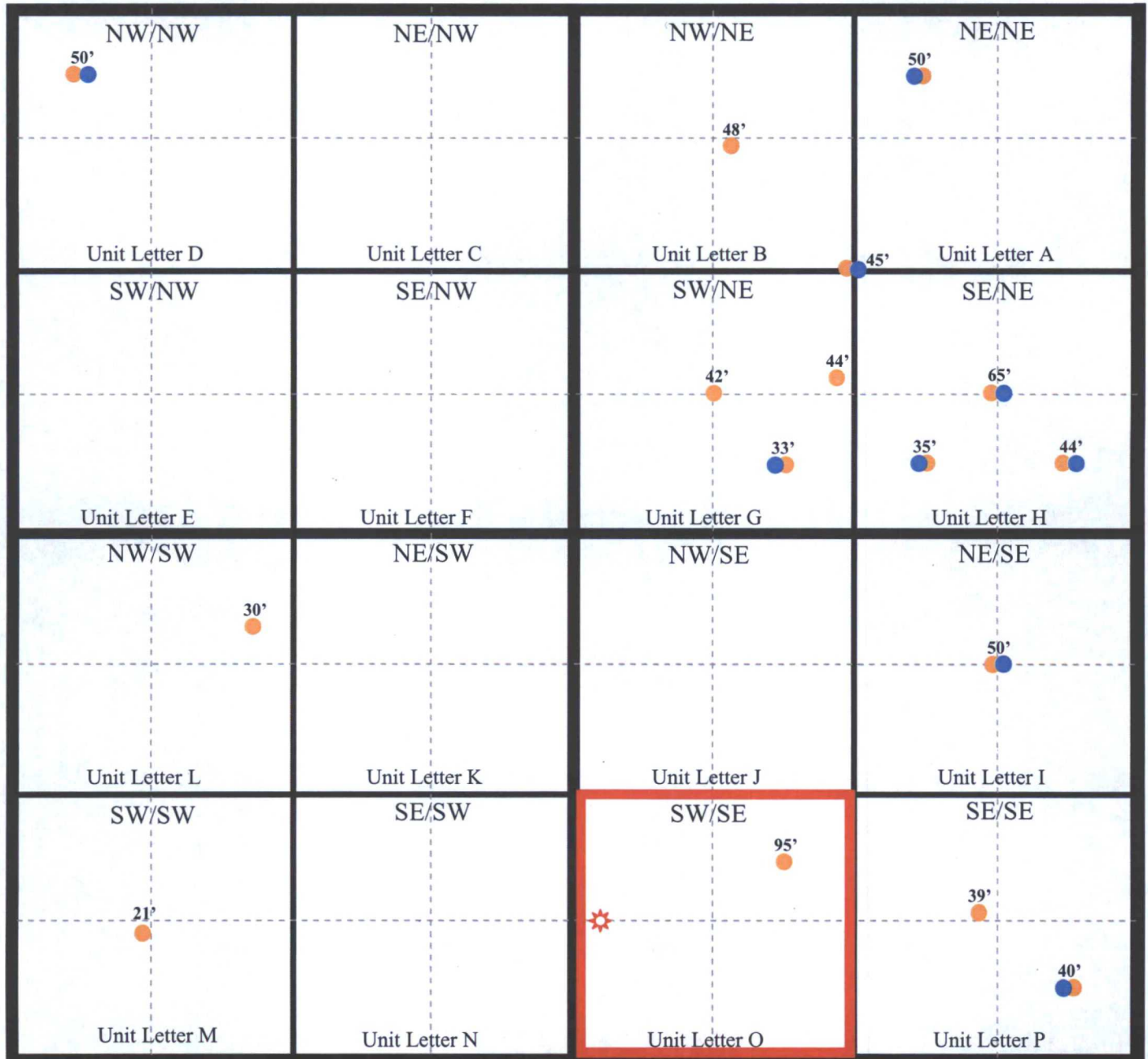
Township  
19S

Range  
38E

Trend Map 25'-50'

1

2



3

4

⚙ Location

● OCD

● USGS

● SEO

● All Databases



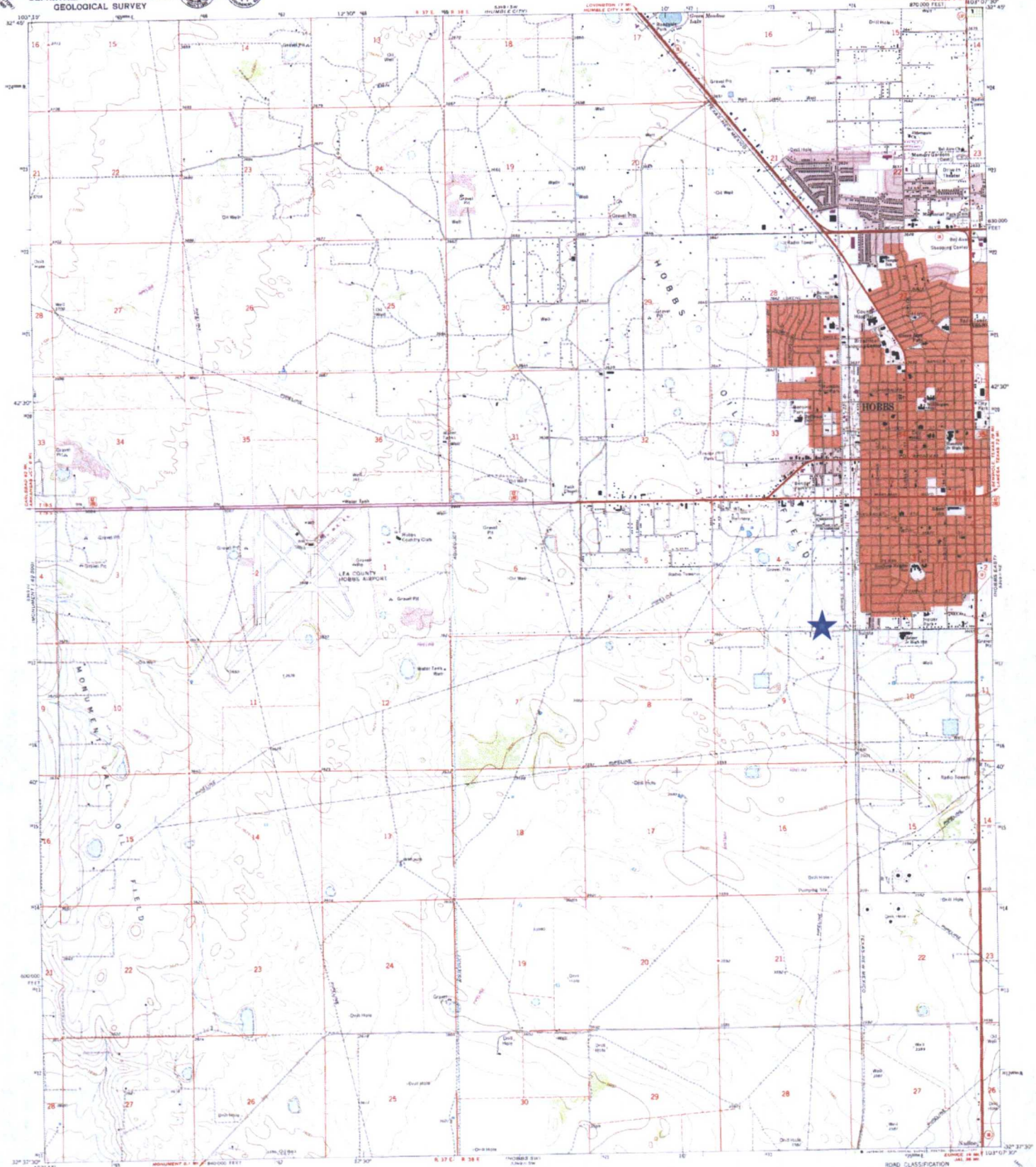
# Oxy

## SHU #238

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



HOBBS WEST QUADRANGLE  
NEW MEXICO-LEA CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
#75,000 FEET



Maplet, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Photomaps by photogrammetric methods from aerial photographs

taken 1967. Topography by planimetric surveys 1968

Projection: projected mer. 1927 North American datum

10,000 foot grid based on New Mexico coordinate system

and zone

10000-meter Universal Transverse Mercator grid ticks

zone 13, shown in blue

Red dot indicates areas in which

weathered buildings are shown

Blue dot indicates areas in which

LEA CO. AND LEA CO. HOBBS WEST QUADRANGLE

REPRODUCTION OF SURVEY OF 1967

Topographic and planimetric methods of survey

to data on the grid/mer North American datum 1983

from the projection 1927 North American datum

and zone

10000-meter Universal Transverse Mercator grid ticks

zone 13, shown in blue

Red dot indicates areas in which

weathered buildings are shown

Blue dot indicates areas in which

SHU BIP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80202, ON REQUEST, VIRGINIA 22062

A FOLDER INCLUDING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

SCALE 1:24,000

CONTOUR INTERVAL 5 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

U. S. Route

State Route

Light duty road, all weather

Improved surface

Unimproved road, fair or dry

weather

HOBBS WEST, N. MEX.

N 32° 17' S - W 10° 02' E 7.5

1969

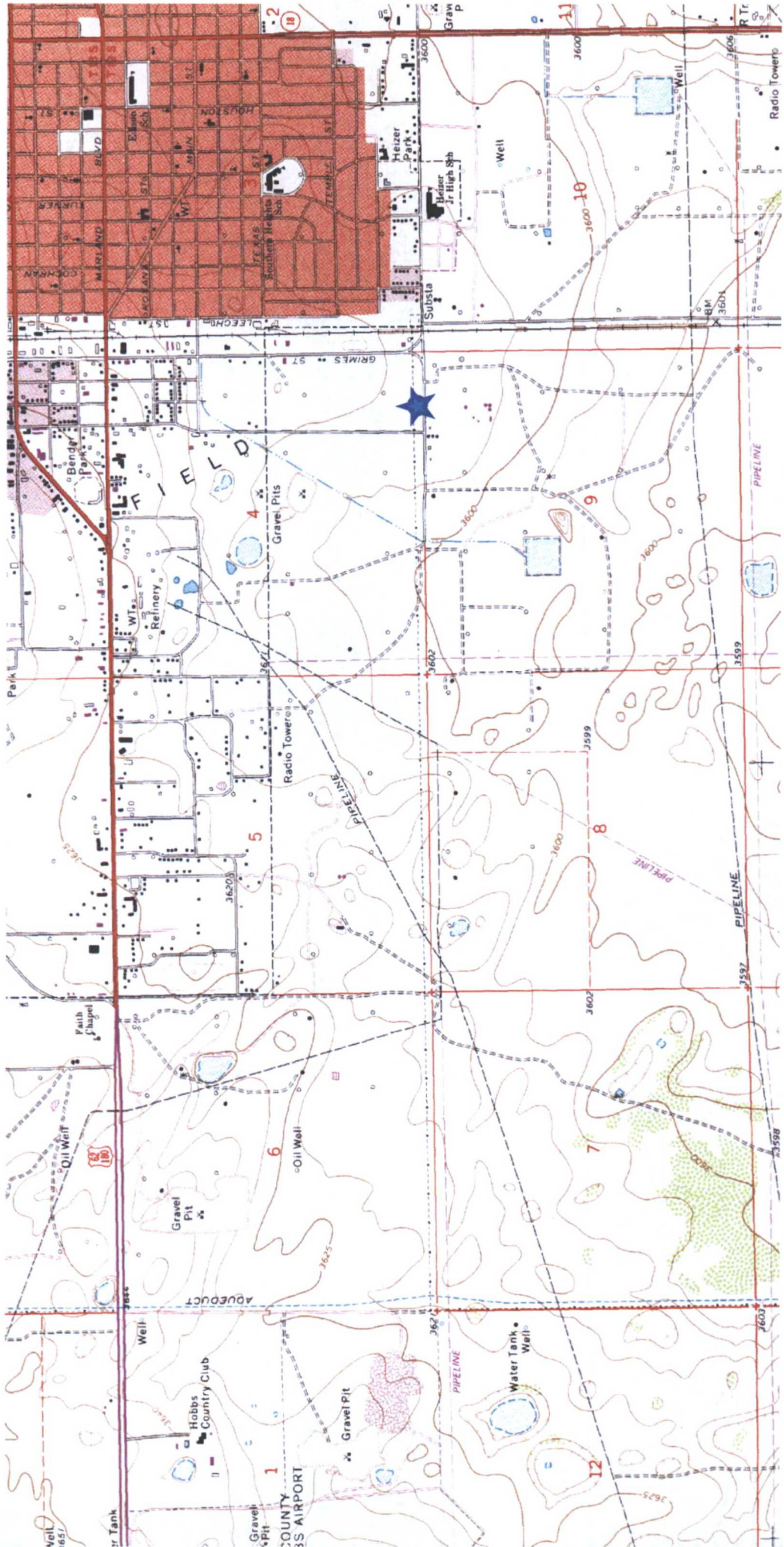
PHOTOCOPYED 1975

DMA 1046 1/4 1/4 1/4 1/4 1/4

1981



## Oxy





Laboratory Analytical Results Summary  
SHU #238

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

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

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





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

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

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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  
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 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.leting@state.nm.us](mailto:geoffreyr.leting@state.nm.us)

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcininternational.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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\*\*\*\*\*



Stake

Oxy  
SHU #238

Excavated for line repair

Leak Area  
125' x 35'

SP1

SP3

Attachment:  
Remediation  
Packet

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

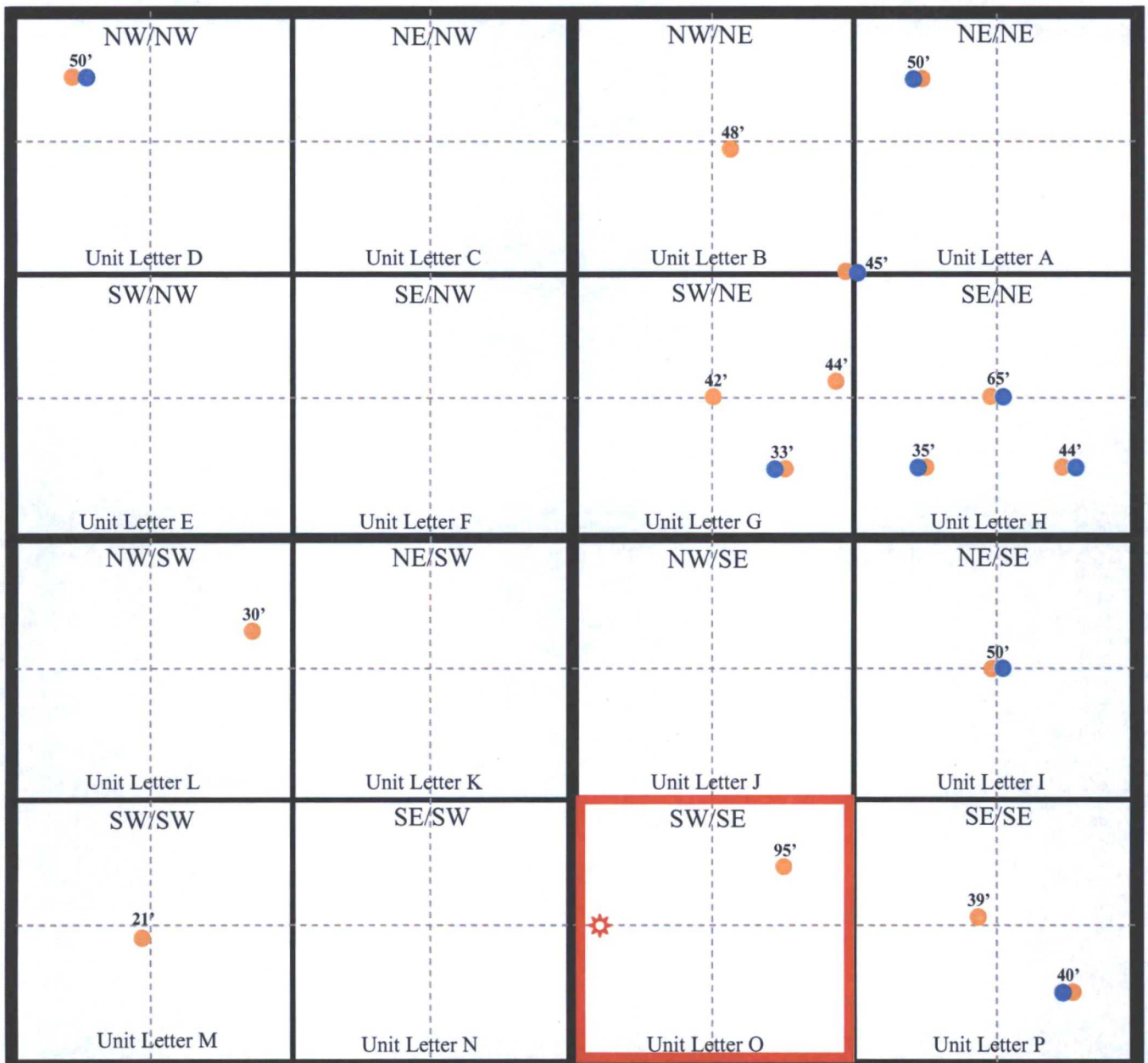
Township  
19S

Range  
38E

Trend Map 25'-50'

1

2



3

4

⚙ Location

● OCD

● USGS

● SEO

● All Databases

Laboratory Analytical Results Summary  
SHU #238

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

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

Analyte	Method	SP3 @ 1'	
		SURFACE	9/16/13
		Date	
Chloride	SM4500Cl-B	mg/Kg	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  
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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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  
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 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	

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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

Phone #: 575-397-6388  
Fax #: 575-397-0397

Project Name: SHV #258 Ory

Project Location: Hobbs NM

Sample Name: Roger Hernandez

FOR LAB USE ONLY

P.O. #

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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