

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD
FEB 21 2014
RECEIVED
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 USA Inc.	Contact	Austin Tramell
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 499-4919
Facility Name	Cotton Draw 36	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		Lease No.	30-025-08213

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	21	25S	32E	1980'	North	660'	West	Lea

Latitude N 32.11771° Longitude W 103.68654°

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	100 bbls	Volume Recovered	80 bbls
Source of Release	Casing leak	Date and Hour of Occurrence	03/22/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking		
By Whom?	CJ Summers	Date and Hour	03/22/2013 @1:00 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Uncontrolled release due to a hole in the casing. Plug was set, and well was PA'd.

Describe Area Affected and Cleanup Action Taken.*

The affected area was approximately 80' x 30' on the northeast corner of the pad with part of the leak in the pasture. Remediation was completed in accordance with a remediation plan approved by Geoffrey Leking of NMOCD via email on 10/03/2013 and approved by Jennifer Van Curen of the BLM via email on 10/06/2013.

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 <i>Geoffrey Leking</i>		
Printed Name:	Austin Tramell	Approved by District Supervisor Environmental Specialist	
Title:	HES Coordinator	Approval Date:	02/20/14
E-mail Address:	Austin_Tramell@oxy.com	Expiration Date:	
Date:	02/19/2014	Conditions of Approval:	-
Phone:	(575) 499-4919	Attached	<input type="checkbox"/>

* Attach Additional Sheets If Necessary

IRP - 4142

Closure Report

HOBBS OCD
FEB 21 2014
RECEIVED

Site Description

Site Name:	Cotton Draw 36
Company:	Oxy Permian Ltd.
Legal Description:	U/L E, Section 21, T25S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.11771° W 103.68654°

Release Data

Date of Release:	03/22/2013	approved
Type of Release:	Produced water	Geoffrey Leking
Source of Release:	Casing leak	Environmental Specialist
Volume of Release:	100 bbls	NMOCD-DIST 7
Volume Recovered:	80 bbls	02/21/14

Remediation Specifications

Remediation Parameters:	Excavate the area around SP2 to a depth of 3' or as practicable. The rest of the leak area will be scraped. Obtain confirmation bottom and sidewall samples. Backfill the site with clean soil.
Remediation Activities:	01/27/2014 to 02/06/2014

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:	10/03/2013	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	10/06/2013	Email from J. Van Curen to Cliff Brunson

Supporting Documentation

Initial C-141	BBC International was not given a copy
Final C-141	Signed 02/19/2014
Site Diagram	July 2013
Groundwater Plot	200'
TOPO Maps	July 2013
Lab Summary	07/13/2013 and 01/29/2014
Lab Analysis	07/13/2013 and 01/29/2014
Correspondence	Request and approval of remediation plan via email

Request for Closure

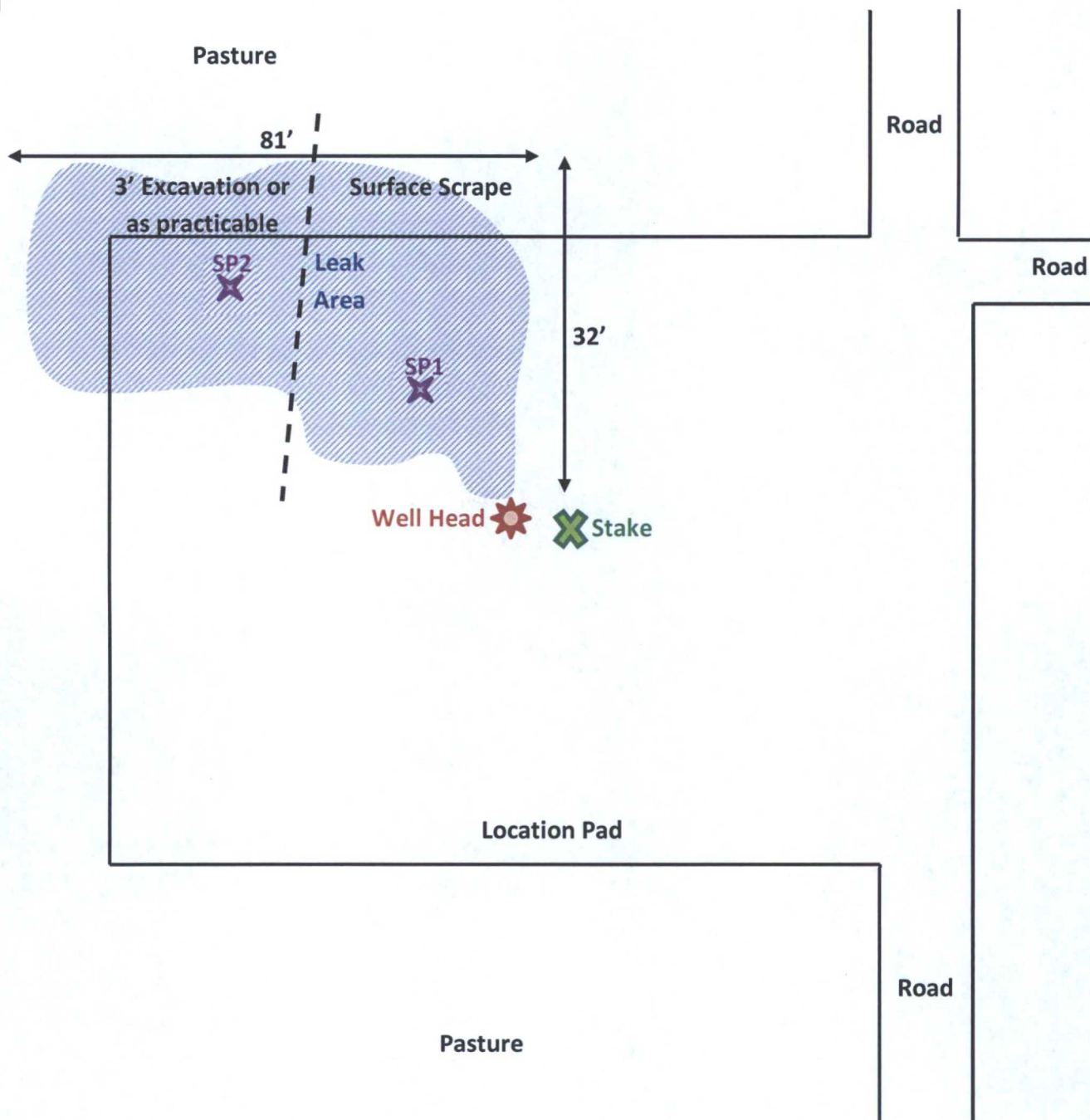
Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

02/19/2014



Oxy
Cotton Draw 36



U/L E, Section 21, T25S, R32E
1980' FNL and 660' FWL
Lea County, NM
N 32.11771° W 103.68654°
API# 30-025-08213

BBC International, Inc.	
Oxy Cotton Draw 36	
Date: 07/16/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Groundwater Plot

Oxy Cotton Draw 36

County
Lea

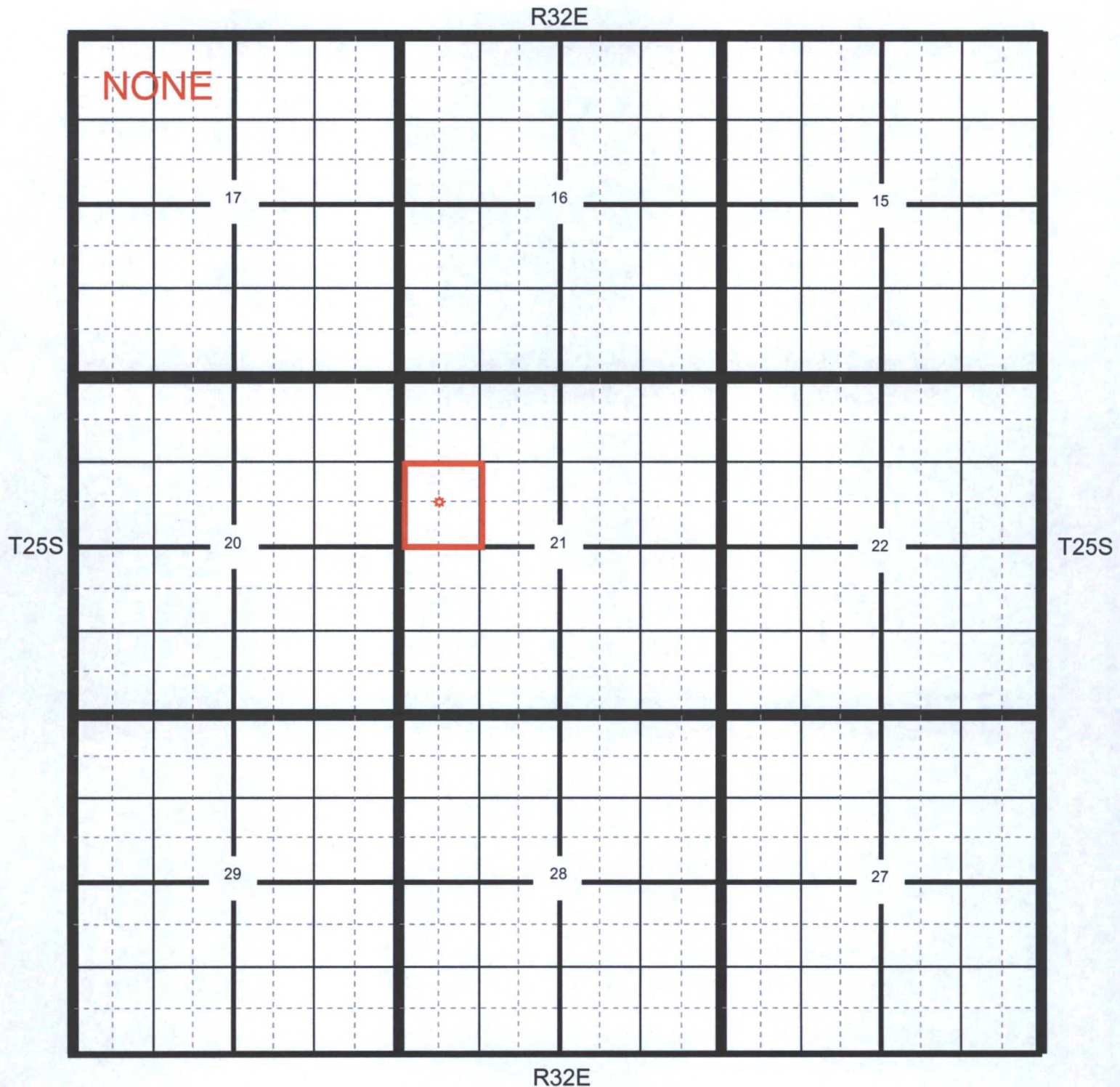
Unit Letter
E

Section
21

Township
25S

Range
32E

Trend Map 200'



★ Location

● OCD

● USGS

● SEO

● All Databases


Oxy Cotton Draw 36

County Lea Unit Letter E Section 21 Township 25S Range 32E

Trend Map 200'

1

2

NW/NW NONE	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW 	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

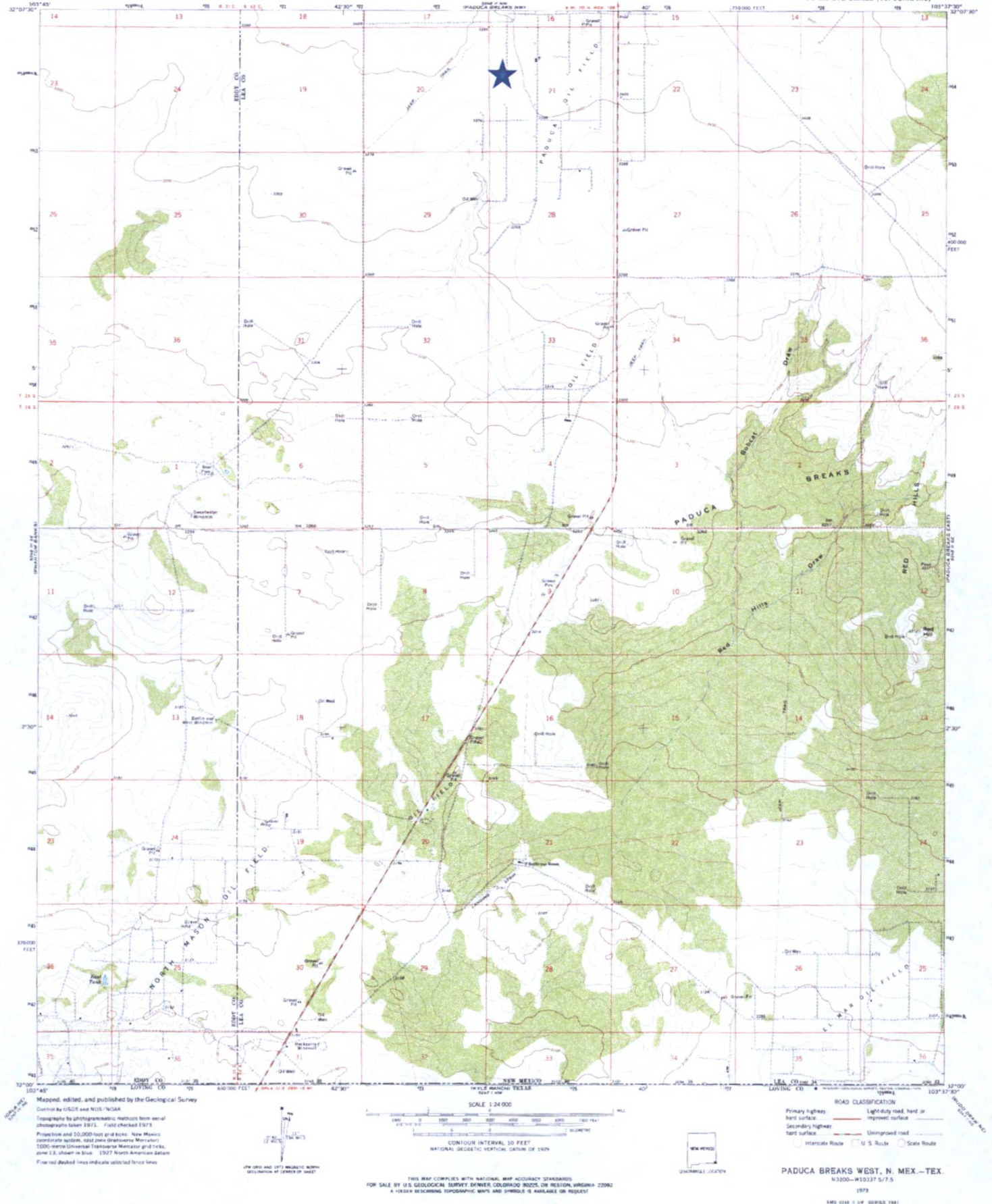
3

4

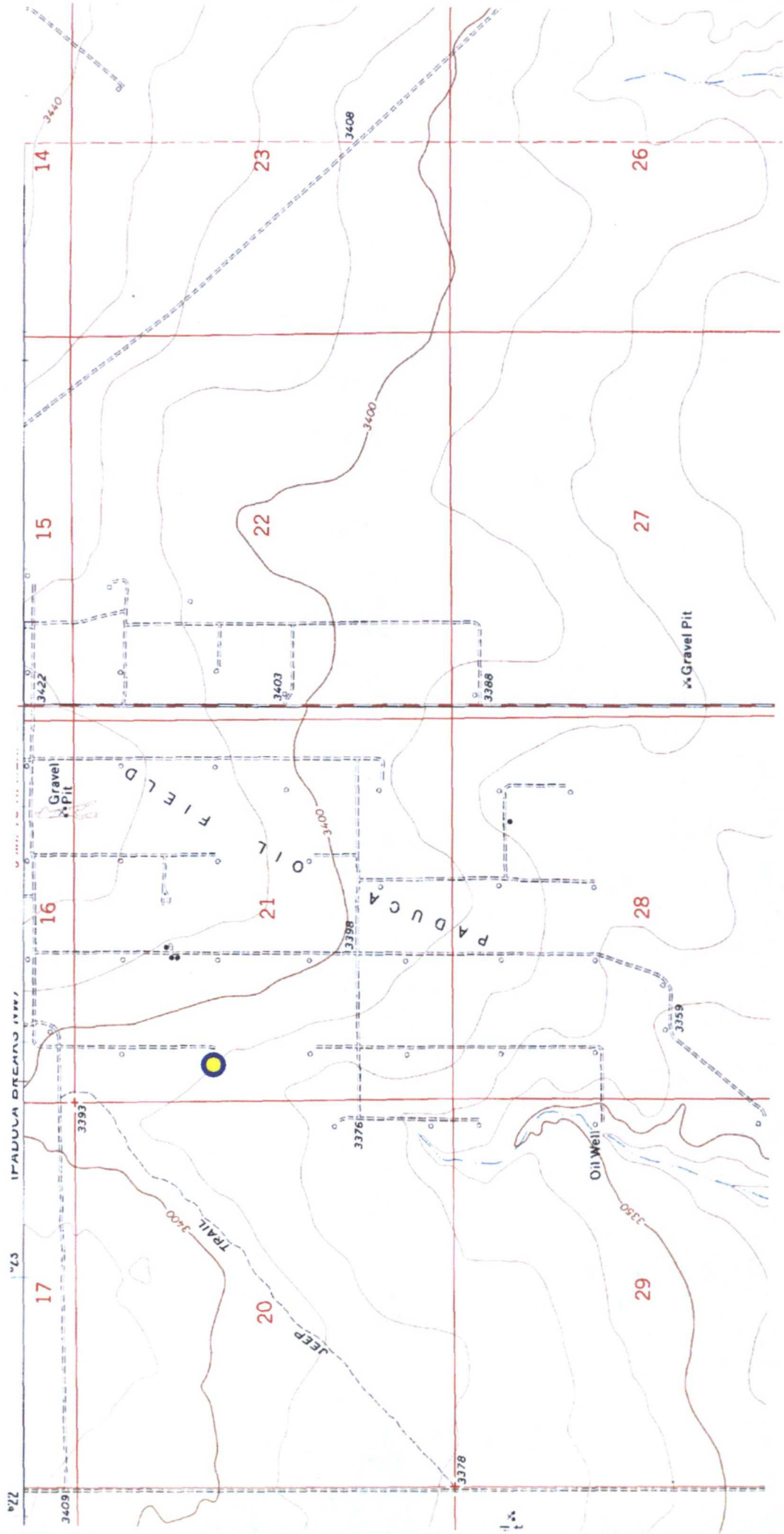
Cotton Draw 36

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PADUCA BREAKS WEST QUADRANGLE
NEW MEXICO-TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)



Oxy
Cotton Draw 36



Laboratory Analytical Results Summary
Cotton Draw #36

		Sample	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	7/12/13	7/12/13	7/12/13
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		640	<16	<16

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'
Analyte	Method	Date	7/12/13	7/12/13	7/12/13	7/12/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		22200	4240	6130	<16

Laboratory Analytical Results Summary
Cotton Draw 36

Analyte	Method	Sample	SP1 @ North wall 1/29/14 mg/Kg	SP2 @ West Wall 1/29/14 mg/Kg	SP3 @ South Wall 1/29/14 mg/Kg	SP4 @ East Wall 1/31/14 mg/Kg	SP5 @ 3' Floor (Blm) 1/29/14 mg/Kg
Chloride	SM4500Cl-B		16	112	96	80	160

July 22, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: COTTON DRAW #36

Enclosed are the results of analyses for samples received by the laboratory on 07/15/13 10:25.

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: 07/15/2013
Reported: 07/22/2013
Project Name: COTTON DRAW #36
Project Number: NONE GIVEN
Project Location: C-1

Sampling Date: 07/12/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ SURFACE (H301648-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	07/18/2013	ND	416	104	400	3.92		

Sample ID: SP 1 @ 1 FT (H301648-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/18/2013	ND	416	104	400	3.92		

Sample ID: SP 1 @ 2 FT (H301648-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/18/2013	ND	416	104	400	3.92		

Sample ID: SP 2 @ SURFACE (H301648-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22200	16.0	07/18/2013	ND	448	112	400	3.64		

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: 07/15/2013
Reported: 07/22/2013
Project Name: COTTON DRAW #36
Project Number: NONE GIVEN
Project Location: C-1

Sampling Date: 07/12/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1 FT (H301648-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	07/18/2013	ND	448	112	400	3.64	

Sample ID: SP 2 @ 3 FT (H301648-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6130	16.0	07/18/2013	ND	448	112	400	3.64		

Sample ID: SP 2 @ 5 FT (H301648-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/18/2013	ND	448	112	400	3.64		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

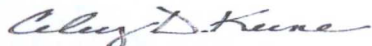
Notes and Definitions

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



ARDINAL 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. #:		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		Address:													
Project #:		City:		State:													
Project Name: Cottonwood 36		Phone #:															
Project Location: C-2		Fax #:															
Sampler Name: Gary Ray		Matrix:		PRESERV		SAMPLING											
FOR LAB USE ONLY		GROUNDWATER		WASTEWATER													
Lab I.D.		Sample I.D.		DATE		TIME											
H301048		1 SP2 @ surface		7-12-13		10:45											
2 SP2 @ 2ft		6 1		7-12-13		10:56											
3 SP2 @ 2ft		6 1		7-12-13		11:15											
4 SP2 @ surface		6 1		7-12-13		11:33											
5 SP2 @ 2ft		6 1		7-12-13		11:43											
6 SP2 @ 5ft		6 1		7-12-13		1:15											
7 SP2 @ 5ft		6 1		7-12-13		1:45											

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Relinquished By: [Signature] **Date:** 7/15/13 **Received By:** [Signature] **Time:** 10:45

Delivered By: (Circle One) **Sampler - UPS - Bus - Other:** -0.62 **Sample Condition:** Cool Intact Pres Yes No **CHECKED BY:** [Signature]

REMARKS:

February 07, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: COTTON DRAW #36

Enclosed are the results of analyses for samples received by the laboratory on 02/03/14 16:23.

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

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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,



Caley 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: 02/03/2014
 Reported: 02/07/2014
 Project Name: COTTON DRAW #36
 Project Number: NONE GIVEN
 Project Location: C-1

 Sampling Date: 01/29/2014
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ N. WALL (H400325-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/07/2014	ND	416	104	400	3.92		

Sample ID: SP 2 @ W. WALL (H400325-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/07/2014	ND	416	104	400	3.92		

Sample ID: SP 3 @ S. WALL (H400325-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/07/2014	ND	416	104	400	3.92		

Sample ID: SP 4 @ E. WALL (H400325-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/07/2014	ND	416	104	400	3.92		

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*=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: 02/03/2014
Reported: 02/07/2014
Project Name: COTTON DRAW #36
Project Number: NONE GIVEN
Project Location: C-1

Sampling Date: 01/29/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SP 5 @ 3' FLOOR (H400325-05)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/07/2014	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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



ARDINAL 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. #:		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		City:		Address: Same		State:		Zip:																																	
Project Name: Cotton Draw 36		Phone #:		Fax #:		PRESERV		SAMPLING																																			
Project Location: Alta Road																																											
Sampler Name: Peter Daniels																																											
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															
H400325		SP10 N.Wall		G-1		1		X		X		X		X		X		X		X		X		X		1-24		1050		X													
3		SP20 W.Wall		G-1		1		X		X		X		X		X		X		X		X		X		1-24		1111		X													
4		SP30 S.Wall		G-1		1		X		X		X		X		X		X		X		X		X		1-24		1124		X													
5		SP40 E.Wall		G-1		1		X		X		X		X		X		X		X		X		X		1-24		1154		X													
5		SP50 S. Fluo.		G-1		1		X		X		X		X		X		X		X		X		X		1-24		1200		X													
Relinquished By:		Date: 7-31-14		Received By: Liz Brum		Date: 7-31-14		Time: 4:03		Sample Condition		Cool		Intact		Checked By: (Initials)																											
Relinquished By: [Signature]		Time:		Received By: [Signature]		Time:		Sample Condition		Cool		Intact		Checked By: (Initials)																													
Delivered By: (Circle One)		4.6c		Sample Condition		Cool		Intact		Checked By: (Initials)																																	
Sampler - UPS - Bus - Other:		4.6c		Sample Condition		Cool		Intact		Checked By: (Initials)																																	

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

#54

Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Thursday, October 03, 2013 3:48 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Cotton Draw 36-Remediation Plan

Cliff

Per our telephone conversation of today, a discrepancy between our notes was displayed regarding the Cotton Draw 36. The remediation plan is approved as provided in the email below. Please provide all of the attachments from the email below in the 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 12:17 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Cotton Draw 36-Remediation Plan

Geoff,

This message is to confirm our discussion on September 25, 2013 concerning the remediation plan for the Oxy Cotton Draw 36 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 3 feet or as practicable in the area around SP2 as depicted on the attached drawing. The rest of the leak area will be scraped as shown on the diagram. 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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Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Sunday, October 06, 2013 8:06 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY-Cotton Draw 36-Remediation Plan

Cliff,

You are good. Please get me some bottom and sidewall samples. Thanks

JENNIFER E VAN CUREN
ENVIRONMENTAL PROTECTION SPECIALIST
DOI-BLM-CARLSBAD FIELD OFFICE
320 E GREENE ST. CARLSBAD, NM 88220
OFFICE- 575-234-5905
CELL - 575-361-0042
FAX - 575-234-5927

On Thu, Oct 3, 2013 at 9:39 AM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Geoffrey Leking of the NMOCD. Oy will excavate to a depth of 3 feet or as practicable in the area around SP2 as depicted on the attached drawing. The rest of the leak area will be scraped as shown on the diagram. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

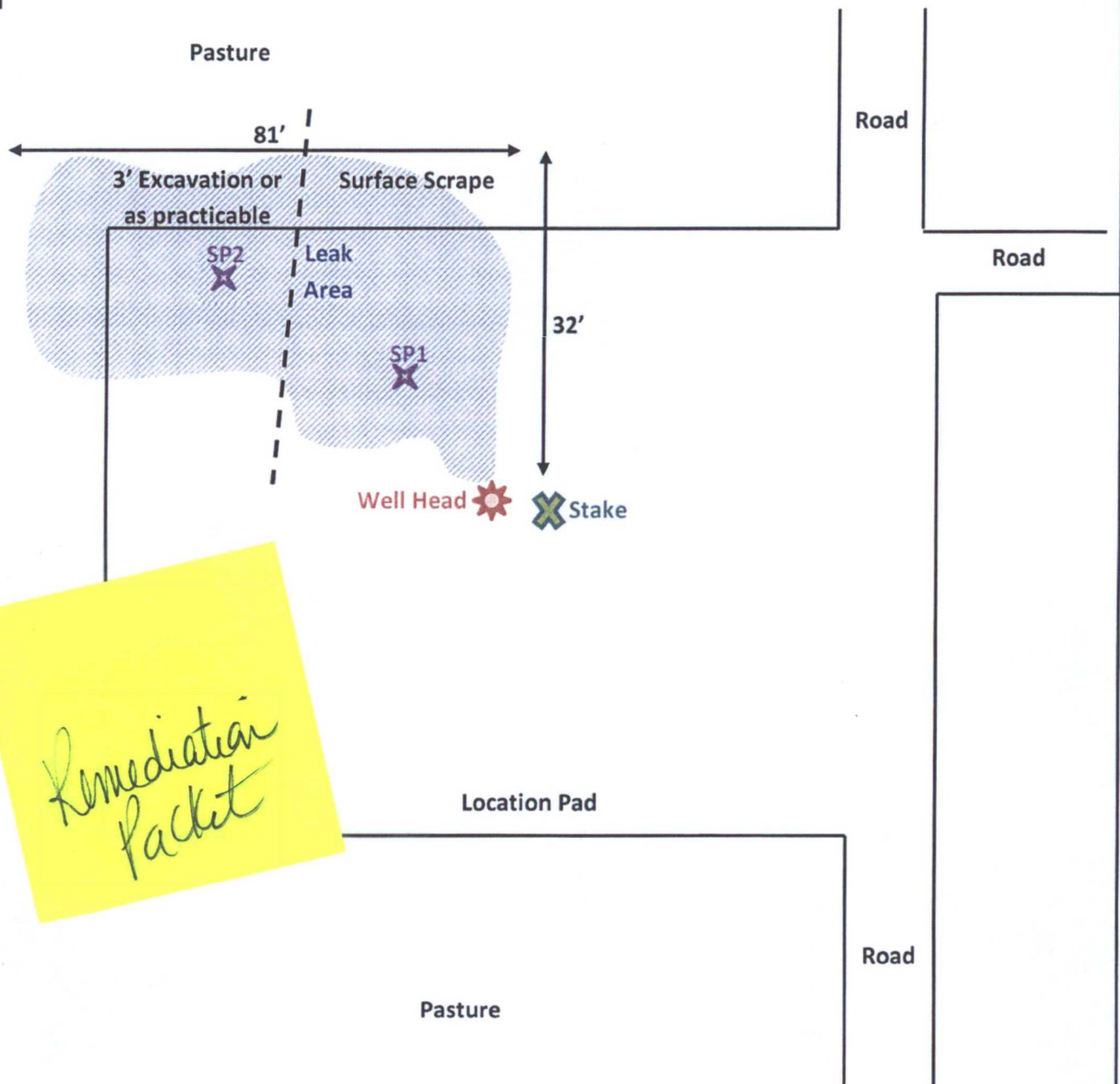
Thanks, Cliff

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
Cotton Draw 36



U/L E, Section 21, T25S, R32E
1980' FNL and 660' FWL
Lea County, NM
N 32.11771° W 103.68654°
API# 30-025-08213

BBC International, Inc.

Oxy
Cotton Draw 36

Date: 07/16/2013

DRWG by: K. Purvis

NOT TO SCALE

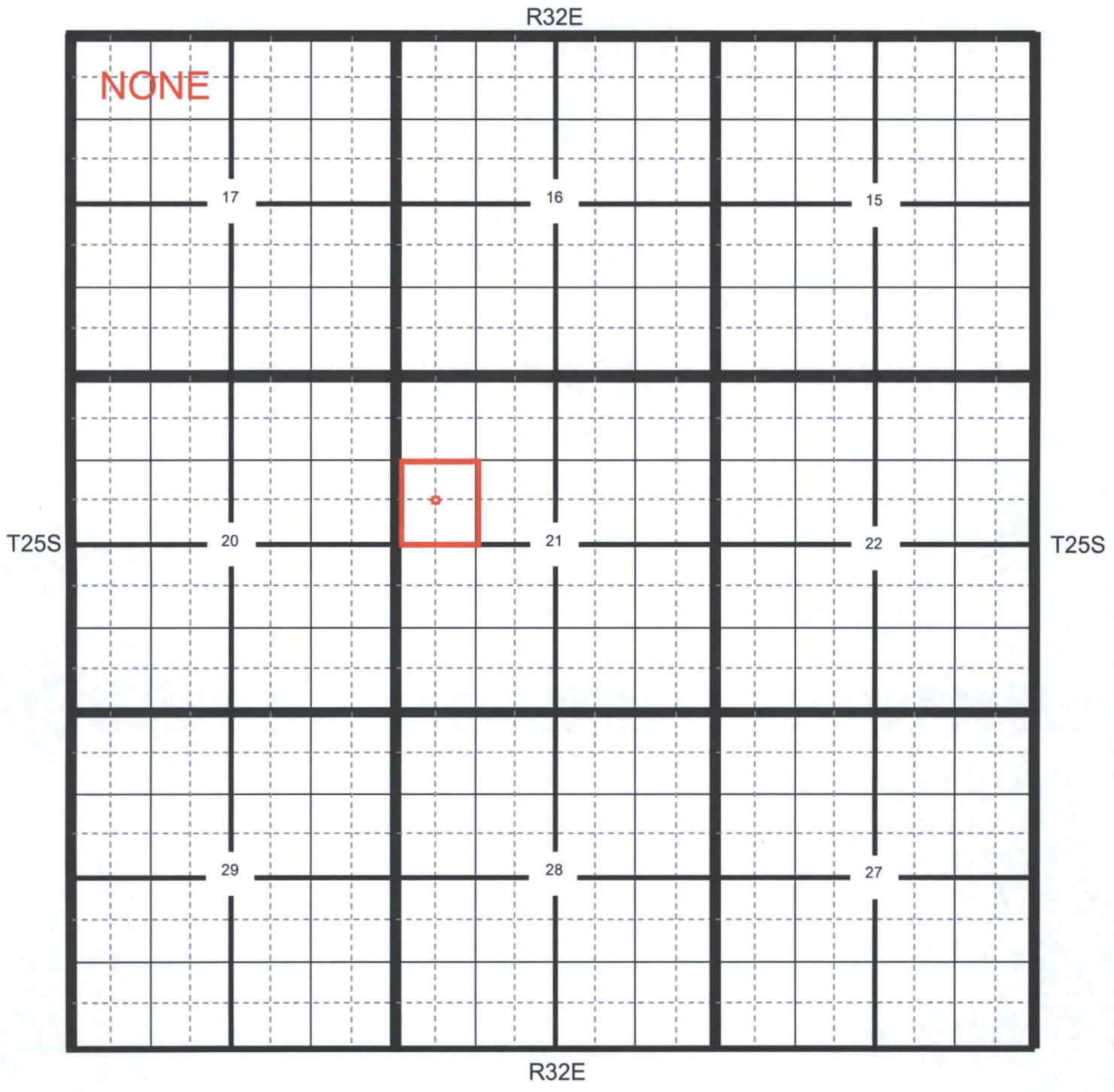
File: Oxy 2013



Groundwater Plot
Oxy Cotton Draw 36

County	Unit Letter	Section	Township	Range
Lea	E	21	25S	32E

Trend Map 200'



★ Location ● OCD ● USGS ● SEO ● All Databases


Oxy Cotton Draw 36

County Lea Unit Letter E Section 21 Township 25S Range 32E

Trend Map 200'

1

2

NW/NW NONE	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW 	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

 Location

 OCD

 USGS

 SEO

 All Databases

Laboratory Analytical Results Summary
Cotton Draw #36

		Sample	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	7/12/13	7/12/13	7/12/13
Chloride	SM4500Cl-B		mg/Kg 640	mg/Kg <16	mg/Kg <16

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'
Analyte	Method	Date	7/12/13	7/12/13	7/12/13	7/12/13
Chloride	SM4500Cl-B		mg/Kg 22200	mg/Kg 4240	mg/Kg 6130	mg/Kg <16

July 22, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: COTTON DRAW #36

Enclosed are the results of analyses for samples received by the laboratory on 07/15/13 10:25.

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: 07/15/2013
Reported: 07/22/2013
Project Name: COTTON DRAW #36
Project Number: NONE GIVEN
Project Location: C-1

Sampling Date: 07/12/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ SURFACE (H301648-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/18/2013	ND	416	104	400	3.92	

Sample ID: SP 1 @ 1 FT (H301648-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/18/2013	ND	416	104	400	3.92		

Sample ID: SP 1 @ 2 FT (H301648-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/18/2013	ND	416	104	400	3.92		

Sample ID: SP 2 @ SURFACE (H301648-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22200	16.0	07/18/2013	ND	448	112	400	3.64	

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: 07/15/2013
Reported: 07/22/2013
Project Name: COTTON DRAW #36
Project Number: NONE GIVEN
Project Location: C-1

Sampling Date: 07/12/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1 FT (H301648-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	07/18/2013	ND	448	112	400	3.64	

Sample ID: SP 2 @ 3 FT (H301648-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6130	16.0	07/18/2013	ND	448	112	400	3.64		

Sample ID: SP 2 @ 5 FT (H301648-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/18/2013	ND	448	112	400	3.64	

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Celest D. Keene, Lab Director/Quality Manager

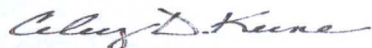
Notes and Definitions

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]