

Closure Report

Site Description

Site Name:	Federal 12 #2H
Company:	Oxy Permian Ltd.
Legal Description:	U/L O, Section 1, T23S, R30E
County:	Eddy County, NM
GPS Coordinates:	N 32.32977° W 103.83082°

Release Data

Date of Release:	03/18/2014
Type of Release:	Produced water
Source of Release:	Valve left open/ tank overflow
Volume of Release:	45 bbls
Volume Recovered:	20 bbls

Remediation Specifications

Remediation Parameters:	Excavate to a depth slightly deeper than 3 feet in the area of SP1 and take a confirmation sample. Excavate to a depth of 2 feet in the area of SP2. Excavate to a depth of 3.5 feet in the area of SP3 and take a confirmation sample. Backfill the excavated areas with clean soil.	
Remediation Activities:	04/13/2015 to 05/11/2015	
Plan Sent to OCD:	01/12/2015	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	01/26/2015	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	02/23/2015	Email from Cliff Brunson to Sol Hughes
BLM Approval of Plan:	02/24/2015	Email from Sol Hughes to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 04/16/2014
Final C-141	Signed 05/14/2015
Site Diagram	May 2014
Groundwater Plot	250'
TOPO Maps	May 2014
Lab Summary	07/02/2014, 10/28/2014, and 04/28/2015
Lab Analysis	07/02/2014, 10/28/2014, and 04/28/2015
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.

06/24/2015

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

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	Occidental Permian	Contact	Charles F. Bullard Jr.
Address	6 Desta Drive, Ste. 6000, Midland, TX 79705	Telephone No.	(432) 685-5719
Facility Name	Federal 12 #2H	Facility Type	Drilling location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-41344

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	1	23S	30E	1159	South	1543	East	Eddy County, NM

Latitude N 32.32984° Longitude W 103.83012°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	45 bbls	Volume Recovered	20 bbls
Source of Release	Transfer from cellar to open-top tank and valve was left open causing water spill over	Date and Hour of Occurrence	03/18/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Bobby Girndt, BLM		
By Whom?	Tommy Sikes	Date and Hour	03/18/2014 at 6:30 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.*

A transfer from cellar to open-top tank and the valve was left open causing 45 bbls of produced water to leak onto the ground. A vacuum truck recovered 20 bbls of produced water and the transfer/valve were closed.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 40' x 45' around the outside of the sub and along the pipe wrangler. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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>C.F. Bullard Jr.</i>	Approved by Environmental Specialist:		
Printed Name: Charles F. Bullard Jr.			
Title: Drilling HES Ops Advisor	Approval Date:	Expiration Date:	
E-mail Address: Charles Bullard@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <i>4/16/14</i>	Phone: (432) 894-3769		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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State of New Mexico
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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	Occidental Permian	Contact	Charles F. Bullard Jr.
Address	6 Desta Drive, Ste. 6000, Midland, TX 79705	Telephone No.	(432) 685-5719
Facility Name	Federal 12 #2H	Facility Type	Drilling location
Surface Owner	BLM	Mineral Owner	API No. 30-015-41344

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	1	23S	30E	1159	South	1543	East	Eddy County, NM

Latitude N 32.32984° **Longitude** W 103.83012°

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Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Bobby Girndt, BLM		
By Whom?	Tommy Sikes	Date and Hour	03/18/2014 at 6:30 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

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The affected area is approximately 40' x 45' around the outside of the sub and along the pipe wrangler. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 01/26/2015 and approved by Sol Hughes of the BLM via email on 02/24/2015.

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.

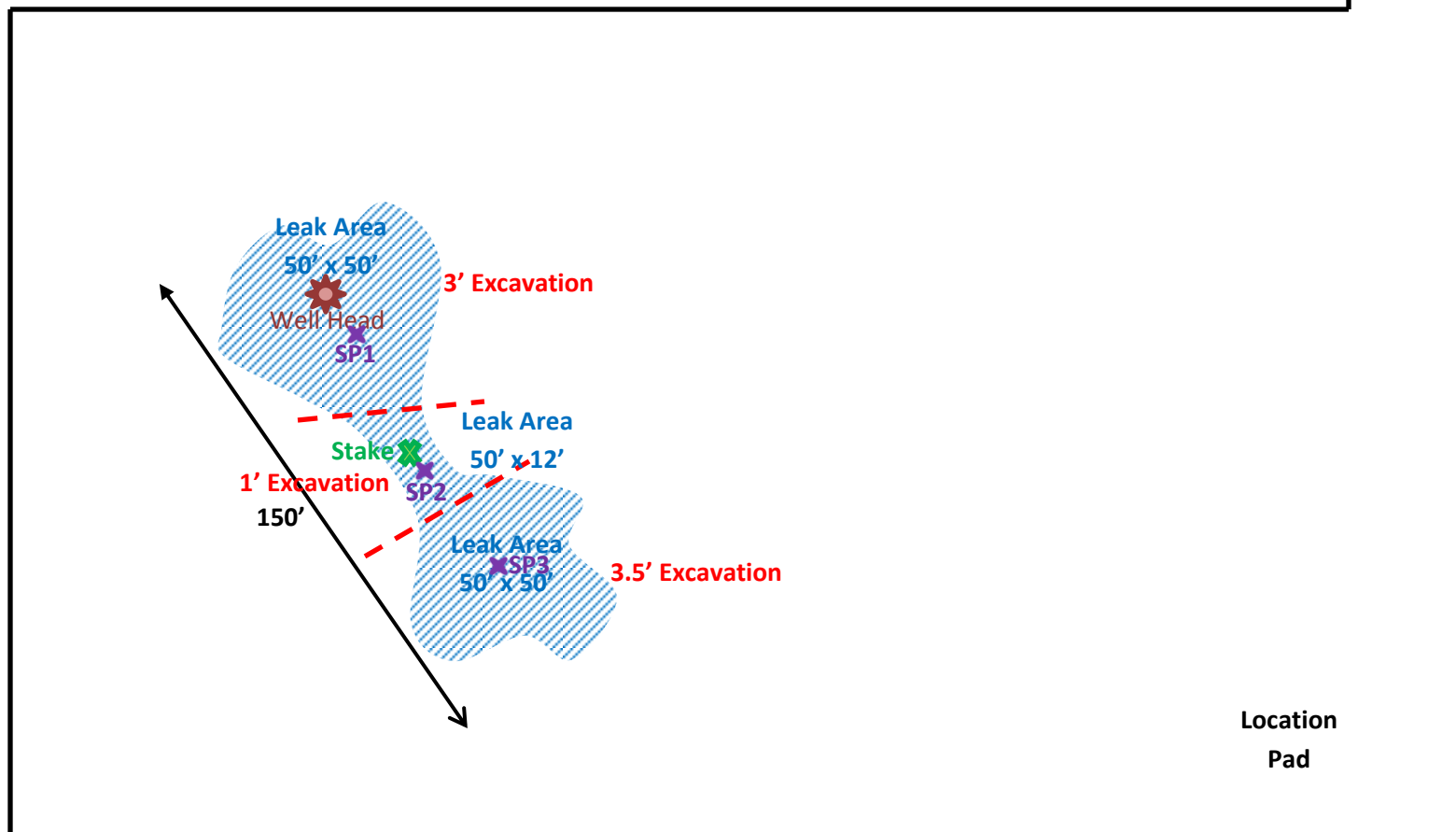
Signature: <i>C. F. Bullard Jr.</i>	OIL CONSERVATION DIVISION		
Printed Name: Charles F. Bullard Jr.	Approved by Environmental Specialist:		
Title: Drilling HES Ops Advisor	Approval Date:	Expiration Date:	
E-mail Address: Charles.Bullard@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <i>5/14/15</i>	Phone: (432) 894-3769		

* Attach Additional Sheets If Necessary



Oxy
Federal 12 #2H

Road



Location
Pad

U/L O, Section 1, T23S, R30E
1159' FSL, 1543' FEL
Eddy County, NM
N 32.32977° W 103.83082° at the stake
API# 30-015-41344

BBC International, Inc.

Oxy
Federal 12 #2H

Date: 05/15/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014



Groundwater Plot

Oxy Federal 12 #2H

County
Eddy

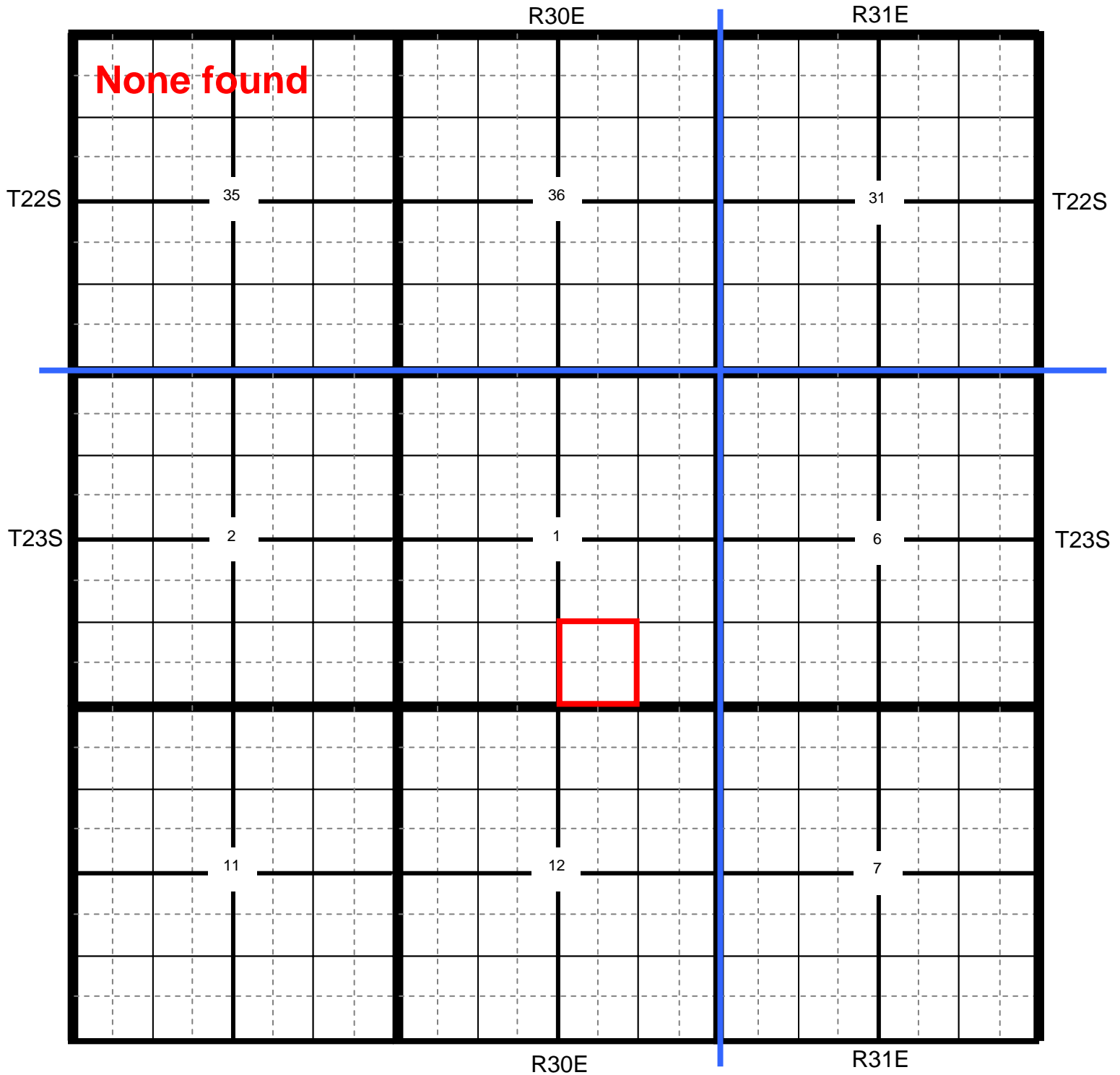
Unit Letter
O

Section
1

Township
23S

Range
30E

Trend Map 250'



Location

OCD

USGS

SEO

All Databases

Section Quarters

Oxy Federal 12 #2H

County Eddy
 Unit Letter O
 Section 1
 Township 23S
 Range 30E

Trend Map 250'

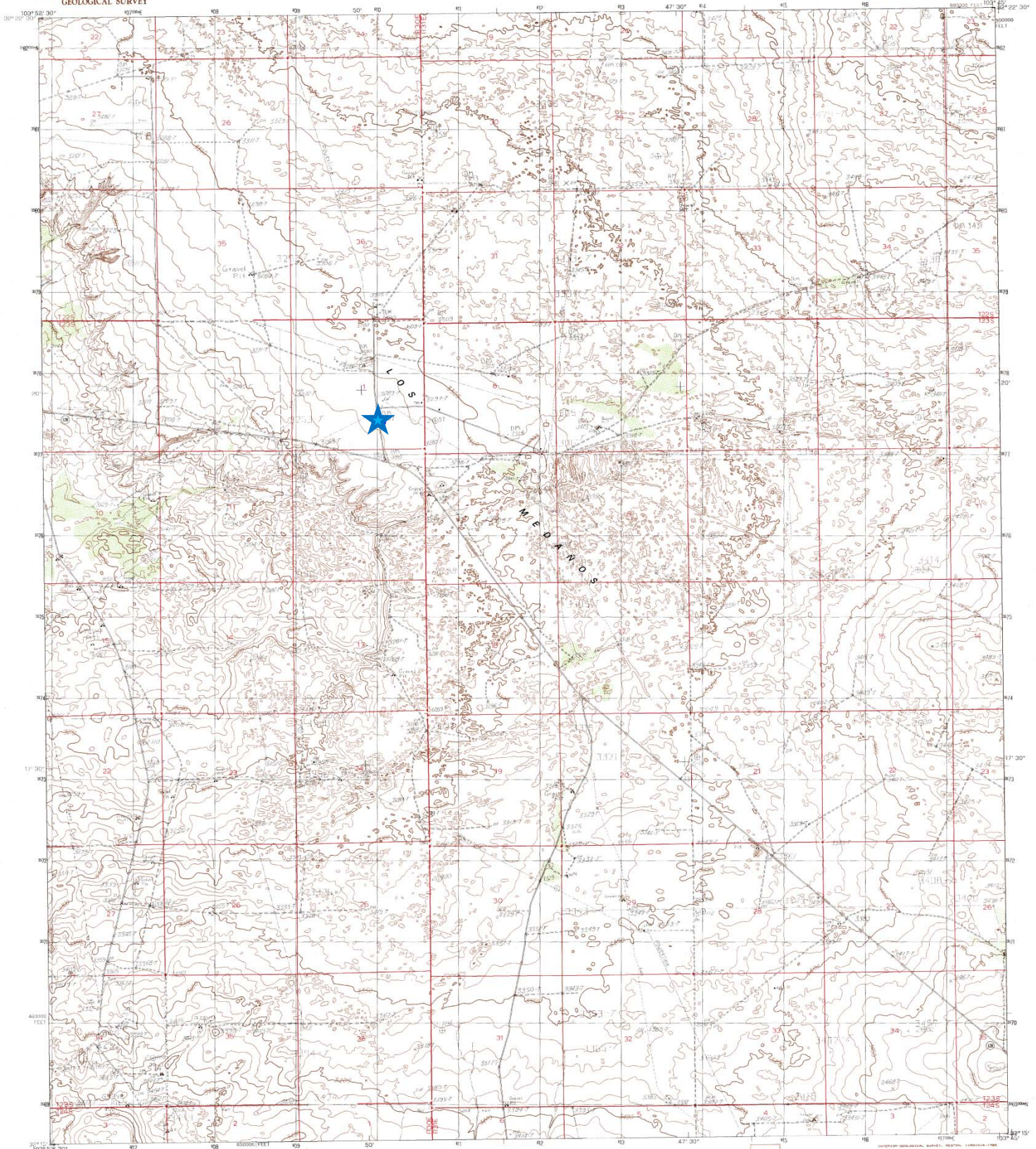
1		2	
NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P
3		4	

Oxy

Federal 12 #2H

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOS MEDAÑOS QUADRANGLE
NEW MEXICO-EDDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY THE UNITED STATES GEOLOGICAL SURVEY
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN IN 1971
FIELD CHECKED BY THE UNITED STATES GEOLOGICAL SURVEY
PROJECTION: TRANSVERSE MERCATOR
GRID: BOGARTER UNIVERSAL TRANSVERSE MERCATOR
ZONE 10
THE MAGNETIC NORTH DECLINATION IN 1971 WAS 10° 15' EAST
VERTICAL DATUM: NATIONAL MEAN SEA LEVEL
HORIZONTAL DATUM: THE NORTH AMERICAN DATUM
To place on the predicted North American Datum of 1983,
move the projection lines as shown by dashed center ticks
(9 meters south and 45 meters east)
There may be private inclusions within the boundaries of any
Federal and State Reservations shown on this map
All marginal data and lettering generated and positioned by
automated type placement procedures

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
field check.

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENTON, COLORADO 80225
OR RESTON, VIRGINIA 22092

QUADRANGLE LOCATION		
1	2	3
4	5	6
7	8	9

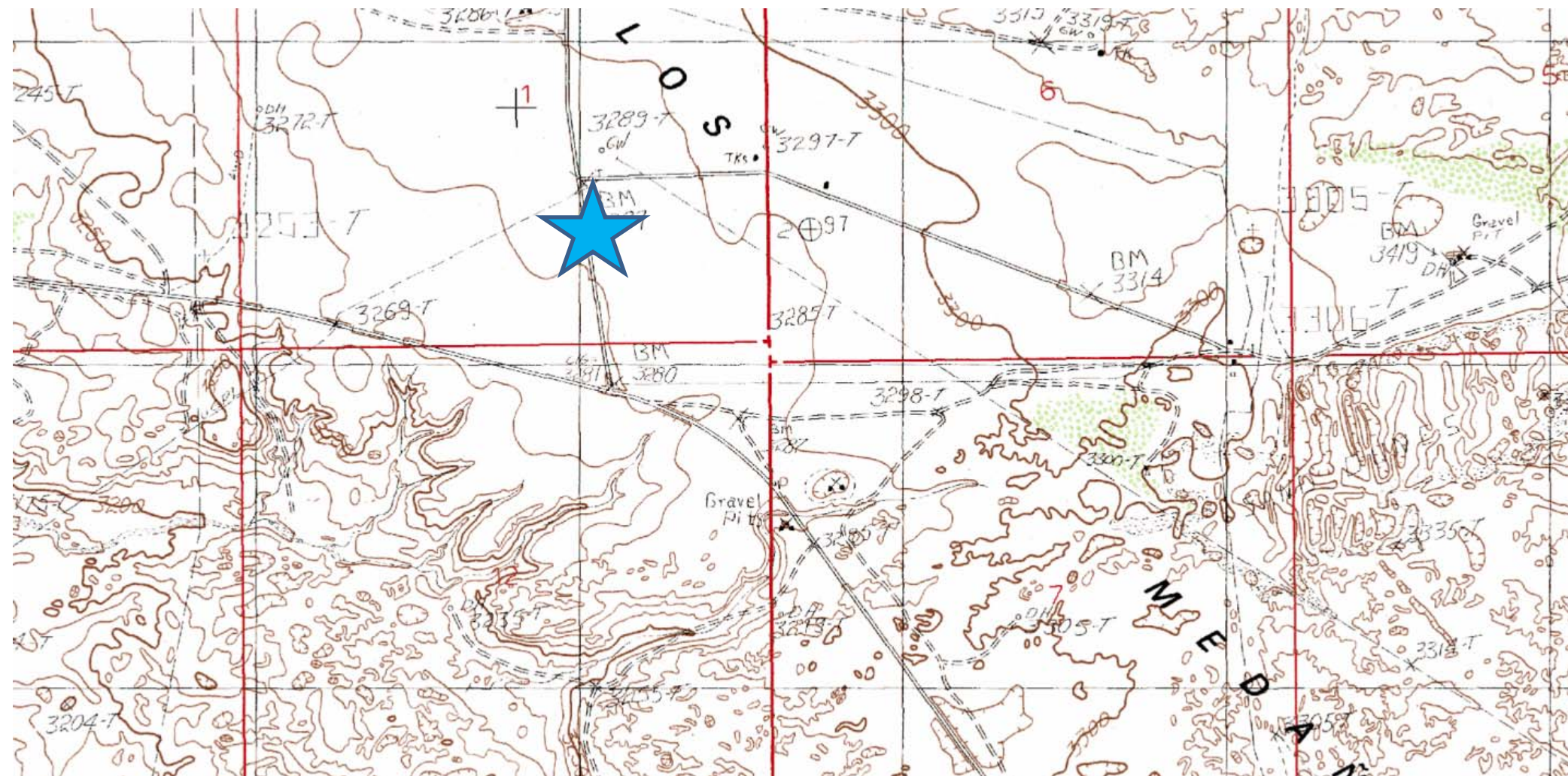
ADJACENT 15' QUADRANGLE NAMES

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route
U.S. Route
State Route

LOS MEDAÑOS, NEW MEXICO
PROVISIONAL EDITION 1985

3103C1-11024

Federal 12 #2H



**Laboratory Analytical Results Summary
Federal 12 #2H**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	7/21/14	7/21/14	7/21/14	7/21/14	7/21/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		2160	3800	1760	256	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	7/21/14	7/21/14	7/21/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		4400	880	144
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 7'	SP3 @ 9'	SP3 @ 11'	SP3 @ 12'
Analyte	Method	Date	7/21/14	7/21/14	7/21/14	10/28/14	10/28/14	10/28/14	10/28/14	10/28/14	10/28/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		1730	864	8530	256	336	304	528	464	144
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	30	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Federal 12 #2H

Confirmation		Sample	Bottom SP1
Analyte	Method	Date	4/28/15
			mg/Kg
Chloride	SM4500Cl-B		352



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

July 29, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 12 #2H

Enclosed are the results of analyses for samples received by the laboratory on 07/22/14 14:15.

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.

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,

Hope S. Moreno For 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:	07/22/2014	Sampling Date:	07/21/2014
Reported:	07/29/2014	Sampling Type:	Soil
Project Name:	FEDERAL 12 #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - WIPP SITE ROAD		

Sample ID: SP 1 @ 1 (H402221-01)

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2014	ND	1.87	93.7	2.00	1.24	
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842	
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33	
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11	
Total BTEx	<0.300	0.300	07/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	07/25/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	208	104	200	6.40	

Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 155 % 63.6-154

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.



Hope S. Moreno For 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: 07/22/2014
Reported: 07/29/2014
Project Name: FEDERAL 12 #2H
Project Number: NONE GIVEN
Project Location: OXY - WIPP SITE ROAD

Sampling Date: 07/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2 (H402221-02)

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	07/25/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	208	104	200	6.40	

Surrogate: 1-Chlorooctane 126 % 65.2-140

Surrogate: 1-Chlorooctadecane 146 % 63.6-154

Sample ID: SP 1 @ 3 (H402221-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	07/25/2014	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Hope S. Moreno For 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:	07/22/2014	Sampling Date:	07/21/2014
Reported:	07/29/2014	Sampling Type:	Soil
Project Name:	FEDERAL 12 #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - WIPP SITE ROAD		

Sample ID: SP 1 @ 4 (H402221-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/25/2014	ND	400	100	400	0.00		

Sample ID: SP 1 @ 5 (H402221-05)

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	07/25/2014	ND	400	100	400	0.00		

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*=Accredited Analyte

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Hope S. Moreno For 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: 07/22/2014
Reported: 07/29/2014
Project Name: FEDERAL 12 #2H
Project Number: NONE GIVEN
Project Location: OXY - WIPP SITE ROAD

Sampling Date: 07/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1 (H402221-06)

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	07/25/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/23/2014	ND	162	81.2	200	3.50	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	174	86.8	200	5.19	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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Hope S. Moreno For 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: 07/22/2014
Reported: 07/29/2014
Project Name: FEDERAL 12 #2H
Project Number: NONE GIVEN
Project Location: OXY - WIPP SITE ROAD

Sampling Date: 07/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2 (H402221-07)

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/25/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/23/2014	ND	162	81.2	200	3.50	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	174	86.8	200	5.19	

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

Sample ID: SP 2 @ 3 (H402221-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/25/2014	ND	400	100	400	0.00	

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Hope S. Moreno For 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: 07/22/2014
Reported: 07/29/2014
Project Name: FEDERAL 12 #2H
Project Number: NONE GIVEN
Project Location: OXY - WIPP SITE ROAD

Sampling Date: 07/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1 (H402221-09)

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	07/25/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/23/2014	ND	162	81.2	200	3.50	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	174	86.8	200	5.19	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

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Hope S. Moreno For 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: 07/22/2014
Reported: 07/29/2014
Project Name: FEDERAL 12 #2H
Project Number: NONE GIVEN
Project Location: OXY - WIPP SITE ROAD

Sampling Date: 07/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2 (H402221-10)

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEX	<0.300	0.300	07/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	07/25/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/23/2014	ND	162	81.2	200	3.50	
DRO >C10-C28	30.0	10.0	07/23/2014	ND	174	86.8	200	5.19	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

Sample ID: SP 3 @ 3 (H402221-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	16.0	07/25/2014	ND	400	100	400	0.00	

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Hope S. Moreno For Caley 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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Hope S. Moreno For 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		State: NM Zip: 88241																																							
Phone #: 575-397-6388		Fax #: 575-397-0397																																							
Project #:		Project Owner: OXY																																							
Project Name: Federal 12#24		City: OXY																																							
Project Location: WPP SITE 14		State: Zip:																																							
Sample Name: WPP SITE 14		Phone #:																																							
FOR LAB USE ONLY		Fax #:																																							
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		TPH BTEX CL-											
H40221		SP101		1		1		1		1		1		1		1		1		1		1		1		7-21		905		X											
1		SP102		2		1		1		1		1		1		1		1		1		1		1		909		435		X											
2		SP103		3		1		1		1		1		1		1		1		1		1		1		1000		1028		X											
3		SP104		4		1		1		1		1		1		1		1		1		1		1		1114		1136		X											
4		SP105		5		1		1		1		1		1		1		1		1		1		1		108		237		X											
5		SP106		6		1		1		1		1		1		1		1		1		1		1		300				X											
6		SP107		7		1		1		1		1		1		1		1		1		1		1						X											
7		SP108		8		1		1		1		1		1		1		1		1		1		1						X											
8		SP109		9		1		1		1		1		1		1		1		1		1		1						X											
9		SP110		10		1		1		1		1		1		1		1		1		1		1						X											
10		SP111		11		1		1		1		1		1		1		1		1		1		1						X											
11		SP112		12		1		1		1		1		1		1		1		1		1		1						X											
12		SP113		13		1		1		1		1		1		1		1		1		1		1						X											
13		SP114		14		1		1		1		1		1		1		1		1		1		1						X											
14		SP115		15		1		1		1		1		1		1		1		1		1		1						X											
15		SP116		16		1		1		1		1		1		1		1		1		1		1						X											
16		SP117		17		1		1		1		1		1		1		1		1		1		1						X											
17		SP118		18		1		1		1		1		1		1		1		1		1		1						X											
18		SP119		19		1		1		1		1		1		1		1		1		1		1						X											
19		SP120		20		1		1		1		1		1		1		1		1		1		1						X											
20		SP121		21		1		1		1		1		1		1		1		1		1		1						X											
21		SP122		22		1		1		1		1		1		1		1		1		1		1						X											
22		SP123		23		1		1		1		1		1		1		1		1		1		1						X											
23		SP124		24		1		1		1		1		1		1		1		1		1		1						X											
24		SP125		25		1		1		1		1		1		1		1		1		1		1						X											
25		SP126		26		1		1		1		1		1		1		1		1		1		1						X											
26		SP127		27		1		1		1		1		1		1		1		1		1		1						X											
27		SP128		28		1		1		1		1		1		1		1		1		1		1						X											
28		SP129		29		1		1		1		1		1		1		1		1		1		1						X											
29		SP130		30		1		1		1		1		1		1		1		1		1		1						X											
30		SP131		31		1		1		1		1		1		1		1		1		1		1						X											
31		SP132		32		1		1		1		1		1		1		1		1		1		1						X											
32		SP133		33		1		1		1		1		1		1		1		1		1		1						X											
33		SP134		34		1		1		1		1		1		1		1		1		1		1						X											
34		SP135		35		1		1		1		1		1		1		1		1		1		1						X											
35		SP136		36		1		1		1		1		1		1		1		1		1		1						X											
36		SP137		37		1		1		1		1		1		1		1		1		1		1						X											
37		SP138		38		1		1		1		1		1		1		1		1		1		1						X											
38		SP139		39		1		1		1		1		1		1		1		1		1		1						X											
39		SP140		40		1		1		1		1		1		1		1		1		1		1						X											
40		SP141		41		1		1		1		1		1		1		1		1		1		1						X											
41		SP142		42		1		1		1		1		1		1		1		1		1		1						X											
42		SP143		43		1		1		1		1		1		1		1		1		1		1						X											
43		SP144		44		1		1		1		1		1		1		1		1		1		1						X											
44		SP145		45		1		1		1		1		1		1		1		1		1		1						X											
45		SP146		46		1		1		1		1		1		1		1		1		1		1						X											
46		SP147		47		1		1		1		1		1		1		1		1		1		1						X											
47		SP148		48		1		1		1		1		1		1		1		1		1		1						X											
48		SP149		49		1		1		1		1		1		1		1		1		1		1						X											
49		SP150		50		1		1		1		1		1		1		1		1		1		1						X											
50		SP151		51		1		1		1		1		1		1		1		1		1		1						X											
51		SP152		52		1		1		1		1		1		1		1		1		1		1						X											
52		SP153		53		1		1		1		1		1		1		1		1		1		1						X											
53		SP154		54		1		1		1		1		1		1		1		1		1		1						X											
54		SP155		55		1		1		1		1		1		1		1		1		1		1						X											
55		SP156		56		1		1		1		1		1		1		1		1		1		1						X											
56		SP157		57		1		1		1		1		1		1		1		1		1		1						X											
57		SP158		58		1		1		1		1		1		1		1		1		1		1						X											
58		SP159		59		1		1		1		1		1		1		1		1		1		1						X											
59		SP160		60		1		1		1		1		1		1		1		1		1		1						X											
60		SP161		61		1		1		1		1		1		1		1		1		1		1						X											
61		SP162		62		1		1		1		1		1		1		1		1		1		1						X											
62		SP163		63		1		1		1		1		1		1		1		1		1		1						X											
63		SP164		64		1		1		1		1		1		1		1		1		1		1						X											
64		SP165		65		1		1		1		1		1		1		1		1		1		1						X											
65		SP166		66		1		1		1		1		1		1		1		1		1		1						X											
66		SP167		67		1		1		1		1		1		1		1		1		1		1						X											
67		SP168		68		1		1		1		1		1		1		1		1		1		1						X											
68		SP169		69		1		1		1		1		1		1		1		1		1		1						X											
69		SP170		70		1		1		1		1		1		1		1		1		1		1						X											
70		SP171		71		1		1		1		1		1		1		1		1		1		1						X											
71		SP172		72		1		1		1		1		1		1		1		1		1		1						X											
72		SP173		73		1		1		1		1		1		1		1		1		1		1						X											
73		SP174		74		1		1		1		1		1		1		1		1		1		1						X											
74		SP175		75		1		1		1		1		1		1		1		1		1		1						X											
75		SP176		76		1		1		1		1		1		1		1		1		1		1						X											
76		SP177		77																																					



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

 $\frac{1}{2}$ Page 11 of 11



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

November 03, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 12 #2H

Enclosed are the results of analyses for samples received by the laboratory on 10/30/14 9:17.

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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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:	10/30/2014	Sampling Date:	10/28/2014
Reported:	11/03/2014	Sampling Type:	Soil
Project Name:	FEDERAL 12 #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - WIPP SITE ROAD		

Sample ID: SP 3 @ 4 (H403342-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/30/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 5 (H403342-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/30/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 7 (H403342-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/30/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 9 (H403342-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/30/2014	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: 10/30/2014
Reported: 11/03/2014
Project Name: FEDERAL 12 #2H
Project Number: NONE GIVEN
Project Location: OXY - WIPP SITE ROAD

Sampling Date: 10/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 11 (H403342-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/30/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 12 (H403342-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/30/2014	ND	400	100	400	3.92	

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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

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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

Company Name: BBC International, Inc.			P.O. #:			BILL TO			ANALYSIS REQUEST																
Project Manager: Cliff Brunson			Company:																						
Address: P.O. Box 805			Attn:																						
City: Hobbs			State: NM			Zip: 88241																			
Phone #: 575-397-6388			Fax #: 575-397-0397																						
Project #:			Project Owner: Oly																						
Project Name: Federal 12 #24			City: Sine																						
Project Location: WPP Pd			State:			Zip:																			
Sample Name: V-D			Phone #:																						
FOR LAB USE ONLY			Fax #:																						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
H4D3342	SP304 123456	G	1	X						X	X		10-28	1035	X										
		G	1	X						X	X		10-28	1058	X										
		G	1	X						X	X		1250	115-	X										
		G	1	X						X	X		125	13d	X										
		G	1	X						X	X														

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Relinquished By: Jeff Cady	Date: 10-29-14	Received By: Jennifer Gidley	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By: Jennifer Gidley	Date: 10-29-14	Received By: Spencer Henderson	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Jennifer Gidley	Time: 4:17	Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) [Signature]	
Sampler - UPS - Bus - Other: 4.7%				
REMARKS:				

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

#54



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

April 29, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 12 #2H

Enclosed are the results of analyses for samples received by the laboratory on 04/29/15 8:25.

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.

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,

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For 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:	04/29/2015	Sampling Date:	04/28/2015
Reported:	04/29/2015	Sampling Type:	Soil
Project Name:	FEDERAL 12 #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - WIPP SITE ROAD		

Sample ID: CONFIRMATION @ SP 1 BOTTOM (H501113-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/29/2015	ND	416	104	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For 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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Mike Snyder For 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

1081

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Federal #12 2H

Project Location:

Sampler Name: Price Brunson

BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H50113

Continuation of Sp1 Bottom

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

4/28/15

1000

72

4/28/15

Relinquished By:

Relinquished By:

Date: 4-28-15

Time: 5:00

Received By:

Date: 4/29/15

Time: 8:35

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

1.80

Sample Condition
Cool ☒ Intact ☒
Yes ☒ No ☒

CHECKED BY: (Initials)

REMARKS:

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

Rush

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

#54

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Monday, January 26, 2015 1:51 PM
To: Cliff Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY - Federal 12 #2H - Remediation Plan

Re: Occidental Permian * Fed 12 2H * 30-015-41344 * O-1-23s-30e * Eddy County, NM
NMOCD Tracking Number: 2RP-2341 * Date of release: 3/18/14

Cliff,

Your proposal for remediation of the above referenced release is approved. Federal sites will require like approval by BLM.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Monday, January 12, 2015 2:28 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Federal 12 #2H - Remediation Plan

Mike,

This e-mail is to confirm our conversation on January 8, 2015 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. If you will review the revised diagram on the attachment, it depicts the remediation plan and the areas and depths of the excavations per our discussions. After the soil is excavated, the site will be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation 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: Hughes, Solomon <shughes@blm.gov>
Sent: Tuesday, February 24, 2015 10:39 AM
To: Cliff Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: FW: OXY - Federal 12 #2H - Remediation Plan

Mr. Brunson,

This plan is approved as with the **following amendments:**

According to your sample data, your proposed excavation depths may not be deep enough to get chlorides below 1000 ppm.

1. Excavate SP1 area to beyond 3 feet and take a confirmation sample to show levels below 1000 ppm.
2. Excavate SP2 area to 2 feet.
3. Go with proposed excavation depth of 3.5 feet at SP3 and take a confirmation sample to show levels below 1000 ppm.

BLM approval of this proposal does not relieve the operator of liability, should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, any other aspects of the natural environment, human health, or if the location does not properly reclaim. In such an event that location does not re-vegetate, or future issues with contaminants are encountered, the operator will be asked to address the location until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

Bests,

Sol

Sol Hughes

Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Mon, Feb 23, 2015 at 3:39 PM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Sol,

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 Mike Bratcher of the NMOCD. His email follows this message.

If you will review the diagram on the attachment, it depicts the remediation plan and the areas and depths of the excavations. After the soil is excavated, the site will be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation 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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From: Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]
Sent: Monday, January 26, 2015 1:51 PM
To: Cliff Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY - Federal 12 #2H - Remediation Plan

Re: Occidental Permian * Fed 12 2H * 30-015-41344 * O-1-23s-30e * Eddy County, NM

NMOCD Tracking Number: 2RP-2341 * Date of release: 3/18/14

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If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

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Sent: Monday, January 12, 2015 2:28 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Federal 12 #2H - Remediation Plan

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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

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