

Closure Report

Site Description

Site Name:	Amax 24 Federal #9
Company:	Oxy Permian Ltd.
Legal Description:	U/L K, Section 24, T23S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.28728° W 103.73475°

Release Data

Date of Release:	07/10/2014
Type of Release:	Oil and produced water
Source of Release:	External corrosion on piping from stuffing box on well head
Volume of Release:	4 bbls oil, 6 bbls produced water
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the area around SP1 to a depth of 2 feet and place a liner in the excavation. Excavate the area around SP2 to a depth of 1 foot. Surface scrape the area around SP3. Backdrag the overspray area. Backfill the site with clean soil.	
Remediation Activities:	January 2016	
Plan Sent to OCD:	08/10/2015	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	08/19/2015	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	08/19/2015	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	08/19/2015	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 07/16/2014
Final C-141	Signed 02/23/2016
Site Diagram	July 2014
Groundwater Plot	200'
TOPO Maps	July 2014
Lab Summary	11/05/2014-11/06/2014 and 06/02/2015
Lab Analysis	11/05/2014-11/06/2014 and 06/02/2015
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.

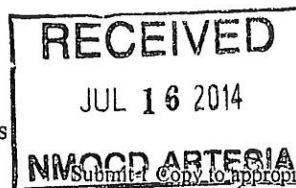
Cliff Brunson, President of BBC International Inc.

02/26/2016

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

Release Notification and Corrective Action

nHMP1420220008

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd. 16699	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Amax 24 Federal #9	Facility Type	Well
Surface Owner	BLM	Mineral Owner	API No. 30-015-27411

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	24	23S	31E	1650	South	1650	West	Eddy County, NM

Latitude N 32.28728° Longitude W 103.73475°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	4 bbls oil, 6 bbls produced water	Volume Recovered	0 bbls
Source of Release	External corrosion on piping coming off stuffing box on the well head	Date and Hour of Occurrence	07/10/2014	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?	Mike Bratcher-NMOCD; Sol Hughes- BLM		
By Whom?	Jennifer Gilkey, BBC International	Date and Hour	07/11/2014 @ 3:40 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.*

External corrosion on piping coming off the stuffing box on the well head caused 4 bbls of oil and 6 bbls of produced water to leak onto the ground. No fluids were recovered and the piping was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 60' x 90' on the north side of the location running off location into the pasture. 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:

Printed Name: Chancey Summers

Title: HES Advisor

E-mail Address: Chancey.Summers@oxy.com

Date: 7-16-14 Phone: (575) 397-8216

Approved by Environmental Specialist:

Approval Date: 7/21/14

Expiration Date: NA

Conditions of Approval:
remediation per UCD Rule & Guidelines, &
like approval by BLM. **SUBMIT REMEDIATION**

Attached ☐

PROPOSAL NO LATER THAN:

8/21/14

2RP-2379

* 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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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 Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland TX 79705	Telephone No.	(575) 513-8289
Facility Name	Amax 24 Federal #9	Facility Type	Well
Surface Owner	BLM	Mineral Owner	API No. 30-015-27411

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	24	23S	31E	1650	South	1650	West	Eddy County, NM

Latitude N 32.28728° Longitude W 103.73475°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	4 bbls oil, 6 bbls produced water	Volume Recovered	0 bbls
Source of Release	External corrosion on piping coming off stuffing box on the well head	Date and Hour of Occurrence	07/10/2014	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?	Mike Bratcher-NMOCD; Sol Hughes- BLM		
By Whom?	Jennifer Gilkey, BBC International	Date and Hour	07/11/2014 @ 3:40 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.*

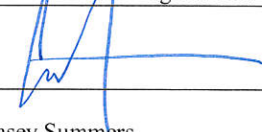
Describe Cause of Problem and Remedial Action Taken.*

External corrosion on piping coming off the stuffing box on the well head caused 4 bbls of oil and 6 bbls of produced water to leak onto the ground. No fluids were recovered and the piping was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 60' x 90' on the north side of the location running off location into the pasture. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 08/19/2015 and approved by Shelly Tucker of the BLM via email on 08/19/2015.

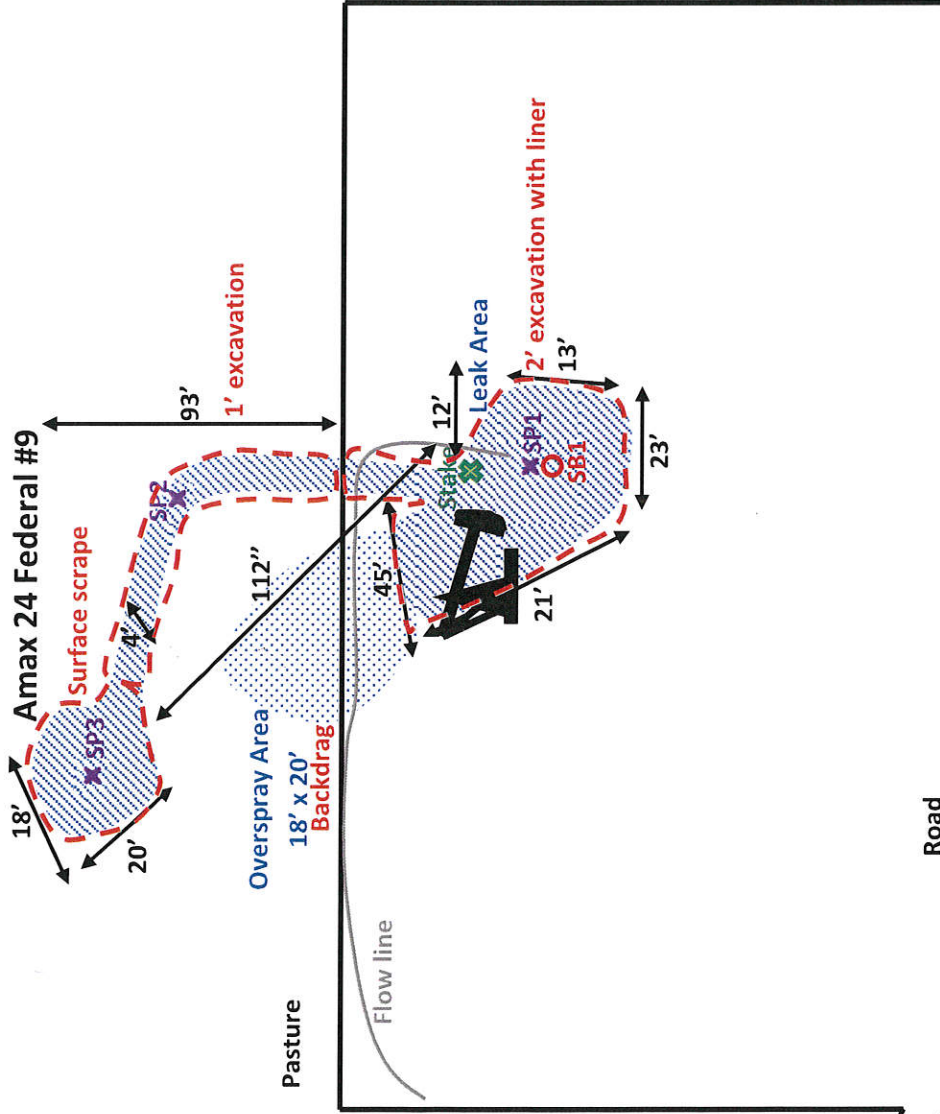
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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:				OIL CONSERVATION DIVISION	
Printed Name:	Casey Summers			Approved by Environmental Specialist:	
Title:	NM Environmental Advisor			Approval Date:	Expiration Date:
E-mail Address:	Casey.Summers@oxy.com			Conditions of Approval:	Attached <input type="checkbox"/>
Date:	2-23-16			Phone:	(575) 513-8289

* Attach Additional Sheets If Necessary



Oxy



U/L K, Section 24, T23S, R31E

Eddy County, NM

N 32.28728° W 103.73475°

API# 30-015-27411

SB1-Soil Boring at N 32.28719° W 103.73468°

BBC International, Inc.

Oxy

Amax 24 Federal #9

Date: 07/25/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014



Groundwater Plot

Oxy AMAX 24 Federal #9

County
Eddy

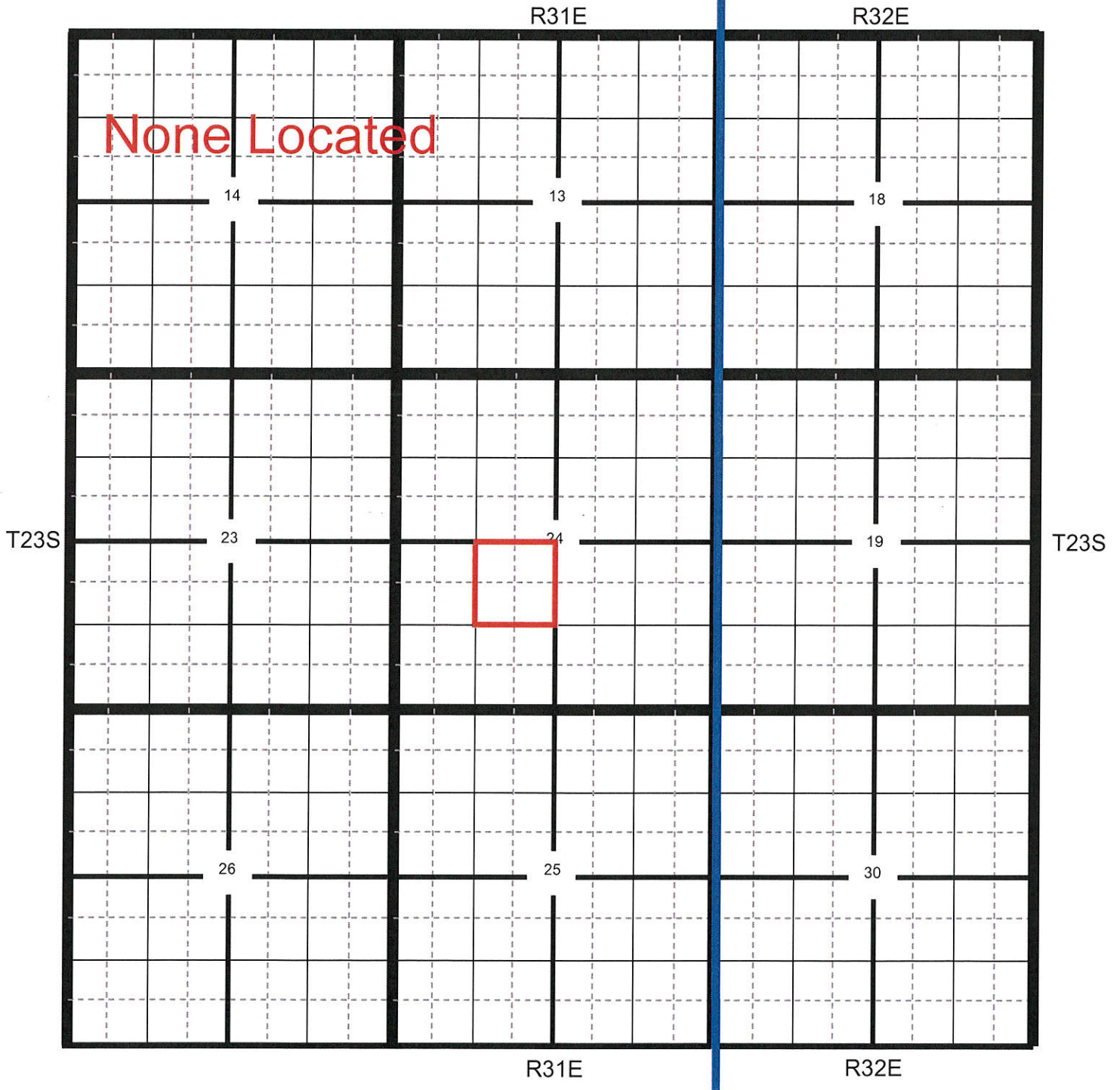
Unit Letter
K

Section
24

Township
23S

Range
31E

Trend Map 200'



Location

OCD

USGS

SEO

All Databases

Section Quarters

Oxy AMAX 24 Federal #9

County Eddy
 Unit Letter K
 Section 24
 Township 23S
 Range 31E

Trend Map 200'

1

2

NW/NW	NE/NW	NW/NE	NE/NE
None Located			
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

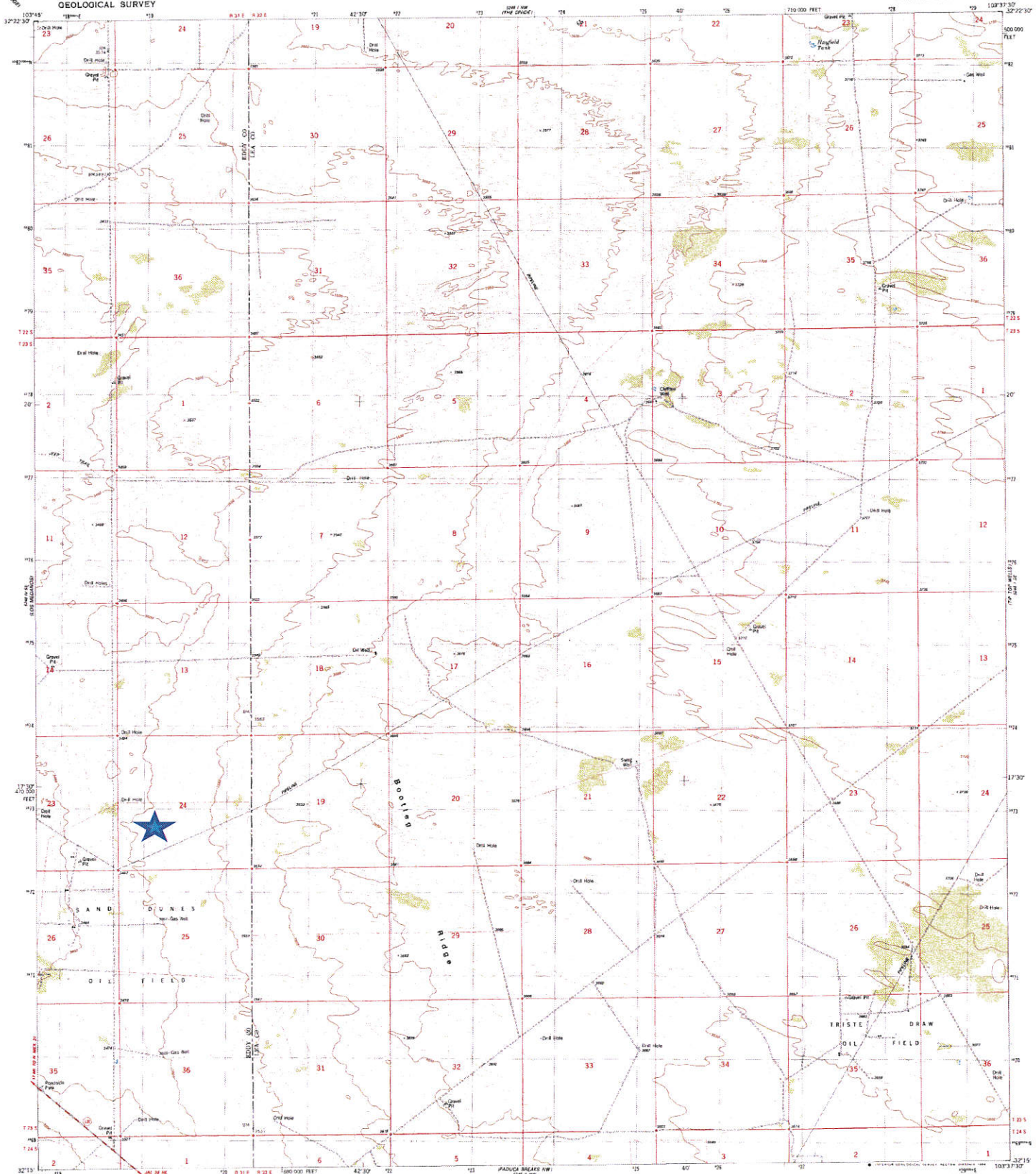
4

Amax 24 Federal #9

Amax 24 Federal #9

BOOTLEG RIDGE QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs.

taken 1977. Field checked 1978. Map edited 1984

Projection and 10,000-foot grid ticks: New Mexico coordinate system, east zone (transverse Mercator)

1000-meter Universal Transverse Mercator grid, zone 13

To place on the predicted North American Datum 1983

To place on the predicted North American Datum 1983 move the projection lines 9 meters south and 12 meters west, respectively, toward center line.

45 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence lines

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NORMAL GEODESIC VERTICAL DATUM OF 1928

ROAD CLASSIFICATION

Primary highway hard-surface light duty road, hard or improved surface

Secondary highway

hard surface ————— improved road —————

 Interstate Route U.S. Route State Route

BOOTLEG RIDGE, N. MEX.

FWA 447 MCSA 15 GUADARAPULE
32103-C6-TF-024

1004

1084

DMA 5248 I BW-SEXES 1001

Laboratory Analytical Results Summary
Amax 24 Federal #9

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 10'	SP1 @ 15'	SP1 @ 18'
Analyte	Method	Date	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
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		4880	1180	3400	3640	2840	3520
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a

			Sample	SP2 @ 1'	SP2 @ 2'
	Analyte	Method	Date	11/6/14 mg/kg	11/6/14 mg/kg
	Benzene	BTEX 8021B		<0.500	<0.050
	Toluene	BTEX 8021B		<0.500	<0.050
	Ethylbenzene	BTEX 8021B		0.602	<0.050
	Total Xylenes	BTEX 8021B		4.79	0.24
	Total BTEX	BTEX 8021B		5.39	<0.300
	Chloride	SM4500Cl-B		736	1920
	GRO	TPH 8015M		588	65.8
	DRO	TPH 8015M		6560	1430

Analyte	Method	Sample		SP3 @ '1'		SP3 @ '2'	
		Date		11/5/14	mg/kg	11/5/14	mg/kg
Benzene	BTEX 8021B				<0.050		<0.050
Toluene	BTEX 8021B				<0.050		<0.050
Ethylbenzene	BTEX 8021B				<0.050		<0.050
Total Xylenes	BTEX 8021B				<0.150		<0.150
Total BTEX	BTEX 8021B				<0.300		<0.300
Chloride	SM4500Cl-B				<16.0		<16.0
GRO	TPH 8015M				<10.0		<10.0
DRO	TPH 8015M				134		14.4

Laboratory Analytical Results Summary
AMAX 24 Federal #9

Analyte	Method	Sample Date	SB1 @ 20'	SB1 @ 22-23'	SB1 @ 25'	SB1 @ 30'
			6/2/15 mg/kg	6/2/15 mg/kg	6/2/15 mg/kg	6/2/15 mg/kg
Chloride	SM4500Cl-B		1700	768	720	208

November 13, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: AMAX 24 FEDERAL #9

Enclosed are the results of analyses for samples received by the laboratory on 11/10/14 8:35.

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,



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: 11/10/2014
Reported: 11/13/2014
Project Name: AMAX 24 FEDERAL #9
Project Number: NOT GIVEN
Project Location: EDDY COUNTY NM

Sampling Date: 11/05/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1 (H403440-01)

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2014	ND	1.93	96.4	2.00	2.55		
Toluene*	<0.050	0.050	11/11/2014	ND	1.84	92.0	2.00	4.09		
Ethylbenzene*	<0.050	0.050	11/11/2014	ND	1.79	89.4	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/11/2014	ND	5.38	89.7	6.00	2.96		
Total BTEX	<0.300	0.300	11/11/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.5 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	11/11/2014	ND	416	104	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	11/10/2014	ND	191	95.4	200	1.42	
DRO >C10-C28	<10.0	10.0	11/10/2014	ND	196	98.2	200	2.36	

Surrogate: 1-Chlorooctane 112 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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:	11/10/2014	Sampling Date:	11/05/2014
Reported:	11/13/2014	Sampling Type:	Soil
Project Name:	AMAX 24 FEDERAL #9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY NM		

Sample ID: SP 1 @ 3 (H403440-02)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2014	ND	1.80	90.1	2.00	5.78	
Toluene*	<0.050	0.050	11/12/2014	ND	1.71	85.5	2.00	6.87	
Ethylbenzene*	<0.050	0.050	11/12/2014	ND	1.65	82.7	2.00	9.28	
Total Xylenes*	<0.150	0.150	11/12/2014	ND	4.94	82.3	6.00	9.77	
Total BTEX	<0.300	0.300	11/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.4 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	11/11/2014	ND	416	104	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	11/10/2014	ND	191	95.4	200	1.42	
DRO >C10-C28	<10.0	10.0	11/10/2014	ND	196	98.2	200	2.36	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

Sample ID: SP 1 @ 5 (H403440-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	11/11/2014	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: 11/10/2014
Reported: 11/13/2014
Project Name: AMAX 24 FEDERAL #9
Project Number: NOT GIVEN
Project Location: EDDY COUNTY NM

Sampling Date: 11/05/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 10 (H403440-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	11/11/2014	ND	416	104	400	0.00		

Sample ID: SP 1 @ 15 (H403440-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	11/11/2014	ND	416	104	400	0.00		

Sample ID: SP 1 @ 18 (H403440-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	11/11/2014	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: 11/10/2014
 Reported: 11/13/2014
 Project Name: AMAX 24 FEDERAL #9
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY NM

 Sampling Date: 11/06/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1 (H403440-07)

BTEX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/12/2014	ND	1.80	90.1	2.00	5.78	
Toluene*	<0.500	0.500	11/12/2014	ND	1.71	85.5	2.00	6.87	
Ethylbenzene*	0.602	0.500	11/12/2014	ND	1.65	82.7	2.00	9.28	
Total Xylenes*	4.79	1.50	11/12/2014	ND	4.94	82.3	6.00	9.77	
Total BTEX	5.39	3.00	11/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	11/11/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	588	100	11/10/2014	ND	191	95.4	200	1.42		
DRO >C10-C28	6560	100	11/10/2014	ND	196	98.2	200	2.36		

Surrogate: 1-Chlorooctane 176 % 47.2-157

Surrogate: 1-Chlorooctadecane 205 % 52.1-176

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: 11/10/2014
Reported: 11/13/2014
Project Name: AMAX 24 FEDERAL #9
Project Number: NOT GIVEN
Project Location: EDDY COUNTY NM

Sampling Date: 11/06/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2 (H403440-08)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2014	ND	1.80	90.1	2.00	5.78	
Toluene*	<0.050	0.050	11/12/2014	ND	1.71	85.5	2.00	6.87	
Ethylbenzene*	<0.050	0.050	11/12/2014	ND	1.65	82.7	2.00	9.28	
Total Xylenes*	0.240	0.150	11/12/2014	ND	4.94	82.3	6.00	9.77	
Total BTEX	<0.300	0.300	11/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	11/11/2014	ND	416	104	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	65.8	50.0	11/10/2014	ND	191	95.4	200	1.42	
DRO >C10-C28	1430	50.0	11/10/2014	ND	196	98.2	200	2.36	

Surrogate: 1-Chlorooctane 129 % 47.2-157

Surrogate: 1-Chlorooctadecane 145 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	11/10/2014	Sampling Date:	11/06/2014
Reported:	11/13/2014	Sampling Type:	Soil
Project Name:	AMAX 24 FEDERAL #9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY NM		

Sample ID: SP 3 @ 1 (H403440-09)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2014	ND	1.80	90.1	2.00	5.78	
Toluene*	<0.050	0.050	11/12/2014	ND	1.71	85.5	2.00	6.87	
Ethylbenzene*	<0.050	0.050	11/12/2014	ND	1.65	82.7	2.00	9.28	
Total Xylenes*	<0.150	0.150	11/12/2014	ND	4.94	82.3	6.00	9.77	
Total BTEX	<0.300	0.300	11/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 98.2 % 61-154

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	11/11/2014	ND	416	104	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	11/11/2014	ND	186	93.2	200	4.80	
DRO >C10-C28	134	10.0	11/11/2014	ND	193	96.4	200	6.00	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 119 % 52.1-176

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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: 11/10/2014
Reported: 11/13/2014
Project Name: AMAX 24 FEDERAL #9
Project Number: NOT GIVEN
Project Location: EDDY COUNTY NM

Sampling Date: 11/06/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2 (H403440-10)

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/12/2014	ND	1.80	90.1	2.00	5.78		
Toluene*	<0.050	0.050	11/12/2014	ND	1.71	85.5	2.00	6.87		
Ethylbenzene*	<0.050	0.050	11/12/2014	ND	1.65	82.7	2.00	9.28		
Total Xylenes*	<0.150	0.150	11/12/2014	ND	4.94	82.3	6.00	9.77		
Total BTEX	<0.300	0.300	11/12/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 61-154

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	11/11/2014	ND	416	104	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	11/11/2014	ND	186	93.2	200	4.80		
DRO >C10-C28	14.4	10.0	11/11/2014	ND	193	96.4	200	6.00		

Surrogate: 1-Chlorooctane 117 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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

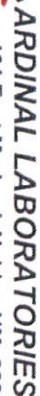
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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#54

June 10, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: AMAX 24 FEDERAL #9

Enclosed are the results of analyses for samples received by the laboratory on 06/03/15 11:45.

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,



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: 06/03/2015
Reported: 06/10/2015
Project Name: AMAX 24 FEDERAL #9
Project Number: NONE GIVEN
Project Location: EDDY COUNTY NM

Sampling Date: 06/02/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SB 1 @ 20' (H501421-01)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1700	16.0	06/08/2015	ND	432	108	400	0.00		

Sample ID: SB 1 @ 22-23' (H501421-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	06/08/2015	ND	432	108	400	0.00		

Sample ID: SB 1 @ 25' (H501421-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	06/08/2015	ND	432	108	400	0.00	

Sample ID: SB 1 @ 30' (H501421-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/08/2015	ND	432	108	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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

From: Bratcher, Mike, EMNRD
To: ["Cliff Brunson"](#); [Shelly Tucker](#); [Patterson, Heather, EMNRD](#)
Cc: [C J Summers](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: OXY Amax 24 Federal #9 - Remediation Plan
Date: Wednesday, August 19, 2015 7:09:00 AM

RE: OXY USA * Amax 24 Fed 9 * 30-015-27411 * K-24-23s-31e * 2RP-2379 *

Date of release: 7/10/14

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise if proposed excavation depths are not achieved. Federal sites 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, August 10, 2015 6:57 PM
To: Shelly Tucker; Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY Amax 24 Federal #9 - Remediation Plan

Shelly and Mike,

On Wednesday, July 29, 2015, I was able to visit with both you about this site. I discussed the plan with Mike first, then met with Shelly later and both of you agreed to the same plan. Therefore, this e-mail is to confirm our discussion on Wednesday, July 29, 2015 concerning the remediation plan for the Oxy Amax 24 Federal #9. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you both would please reply back via e-mail with your concurrence on 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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From: [Tucker, Shelly](#)
To: [Bratcher, Mike, EMNRD](#)
Cc: [Cliff Brunson](#); [Patterson, Heather, EMNRD](#); [C J Summers](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: Re: OXY Amax 24 Federal #9 - Remediation Plan
Date: Wednesday, August 19, 2015 11:31:11 AM

BLM accepts/approves your Work Plan.

The BLM approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the 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.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
Bureau of Land Management

620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular

stucker@blm.gov



On Wed, Aug 19, 2015 at 7:09 AM, Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us> wrote:

RE: OXY USA * Amax 24 Fed 9 * 30-015-27411 * K-24-23s-31e * 2RP-2379 *

Date of release: 7/10/14

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise if proposed excavation depths are not achieved. Federal sites require like approval by BLM.

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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

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Monday, August 10, 2015 6:57 PM

To: Shelly Tucker; Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD

Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY Amax 24 Federal #9 - Remediation Plan

Shelly and Mike,

On Wednesday, July 29, 2015, I was able to visit with both you about this site. I discussed the plan with Mike first, then met with Shelly later and both of you agreed to the same plan. Therefore, this e-mail is to confirm our discussion on Wednesday, July 29, 2015 concerning the remediation plan for the Oxy Amax 24 Federal #9. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you both would please reply back via e-mail with your concurrence on 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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