



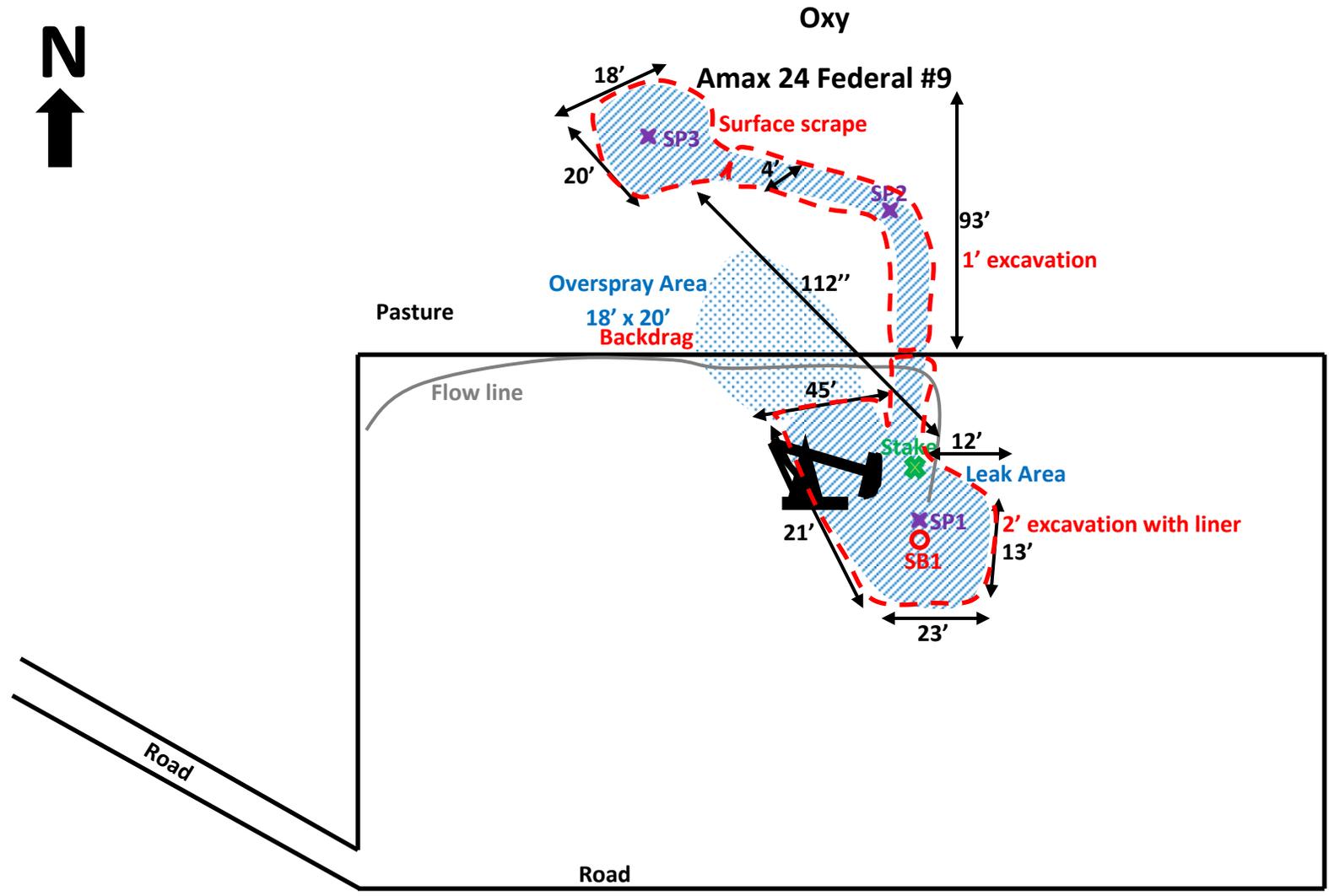
PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

OXY – AMAX 24 FEDERAL #9

REMEDIATION PLAN

OXY will excavate the spill area as depicted on the following site diagram. The spill area around SP1 will be excavated to a depth of 2 feet with a liner installed at the bottom of the excavation. The area around SP2 will be excavated to a depth of 1 foot and the area around SP3 will be surface scraped. The overspray are will be back dragged. All excavated materials will be disposed of at an NMOCD-approved disposal facility.

The site will then be backfilled with clean soil.



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

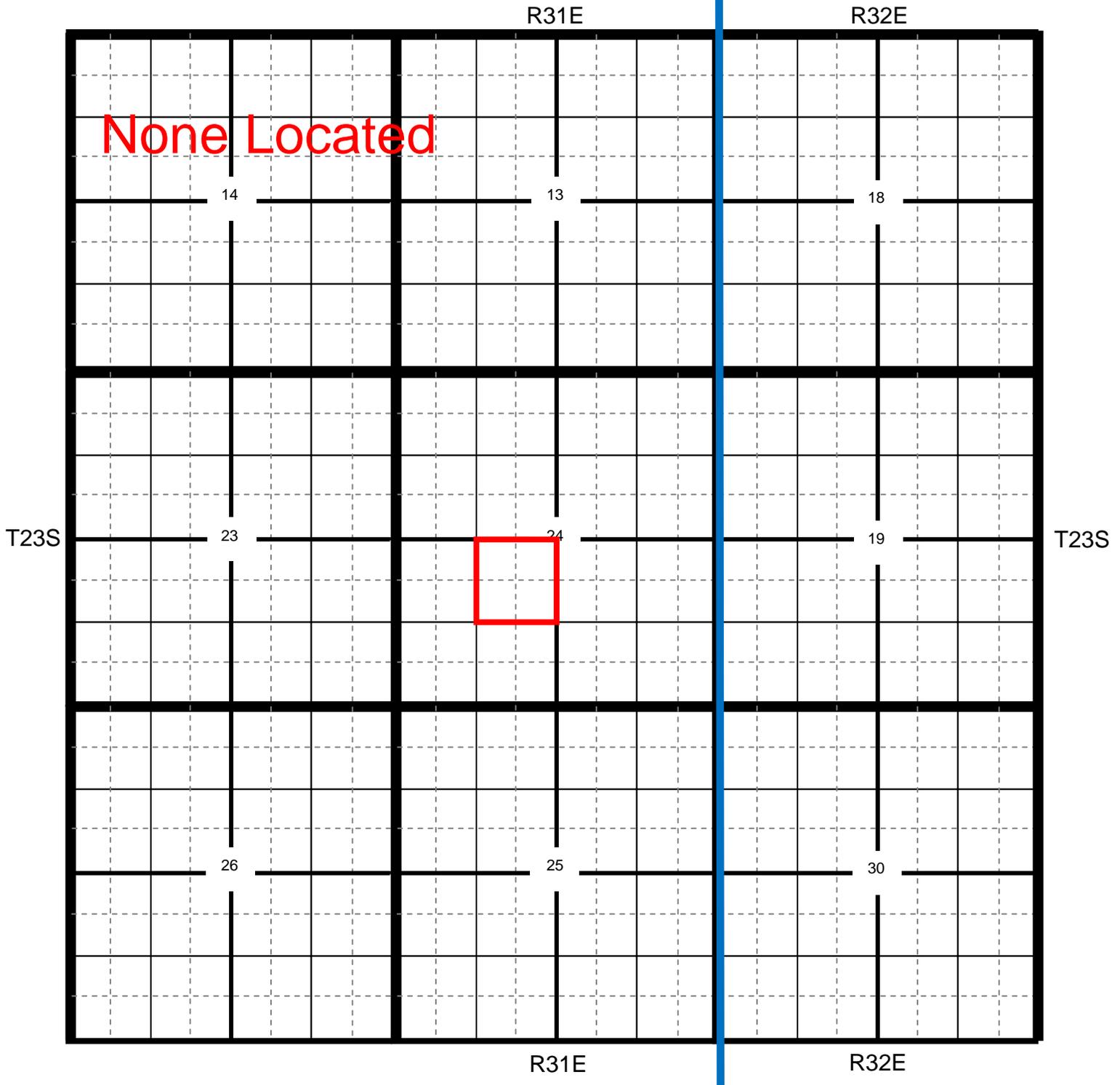
Unit Letter
K

Section
24

Township
23S

Range
31E

Trend Map 200'



📍 Location

● OCD

● USGS

● SEO

● All Databases

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

Laboratory Analytical Results Summary
Amax 24 Federal #9

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 10'	SP1 @ 15'	SP1 @ 18'
Analyte	Method	Date	11/5/14	11/5/14	11/5/14	11/5/14	11/5/14	11/5/14
			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	11/6/14
			mg/Kg	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

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	11/6/14	11/6/14
			mg/Kg	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

		Sample	SB1 @ 20'	SB1 @ 22-23'	SB1 @ 25'	SB1 @ 30'
Analyte	Method	Date	6/2/15	6/2/15	6/2/15	6/2/15
			mg/Kg	mg/Kg	mg/Kg	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,

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:	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 @ 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 (PID) 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

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	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 (PID) 96.4 % 61-154

Chloride, SM4500CI-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, SM4500CI-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

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 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, SM4500CI-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, SM4500CI-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, SM4500CI-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

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	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 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 (PID) 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

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 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 (PID) 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

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	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 (PID) 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

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	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 @ 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 (PID) 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

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager



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. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson P.O. #:
 Address: P.O. Box 805 Company:
 City: Hobbs Attn:
 State: NM Zip: 88241

Phone #: 575-397-6388 Fax #: 575-397-0397 Address: *Spine*
 Project #: Project Owner: *DXV* City: State: Zip:
 Project Name: *Amaz 24 Field #9* State: Zip:

Project Location: *C-29* Phone #:
 Sampler Name: *J.O.* Fax #:

FOR LAB USE ONLY

Lab I.D. **H403440** Sample I.D.

ID	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	CL	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
1	SP101			X							11-5	1006	X	X	X	
2	03			X								1056	X	X	X	
3	05			X								1130	X	X	X	
4	010			X								129	X	X	X	
5	015			X								146	X	X	X	
6	018			X								210	X	X	X	
7	SP201			X								859	X	X	X	
8	01			X								929	X	X	X	
9	SP301			X								1138	X	X	X	
10	02			X								100	X	X	X	

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: *11-7-14* Received By: *Agnieszka Gellay* Phone Result: Yes No Add'l Phone #:
 Time: *8:00*

Delivered By: *Agnieszka Gellay* Date: *11-10-14* Received By: *Spide Henderson* Fax Result: Yes No Add'l Fax #:
 Time: *8:35*

Sampler - UPS - Bus - Other: *5.20* Sample Condition: Intact Cool Yes No CHECKED BY: *[Signature]*

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2406 **#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	Sampling Date:	06/02/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	AMAX 24 FEDERAL #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY NM		

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	

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

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

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



Celey D. Keene, Lab Director/Quality Manager



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.

BILL TO

ANALYSIS REQUEST

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: *Amay 24 Federal #9*

Project Location: *C29*

Sampler Name: *JFF Ornelas*

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Sample I.D.

Lab I.D. *H561421*

1 SB1020' 22-23' 25' 30'

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL
OTHER :

DATE
TIME
*6-2 800
828
850
939*

CL-

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]*

Date: *6-3-15*

Received By: *[Signature]*

Time: *1:45*

Date: *6-3-15*

Time:

Received By: *[Signature]*

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-13.80

Sample Condition
Cool Intact
Yes No
Yes No

CHECKED BY: *[Signature]*

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

REMARKS:

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

#54

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	Oxy Permian Ltd.	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.

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 7-16-14 Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary