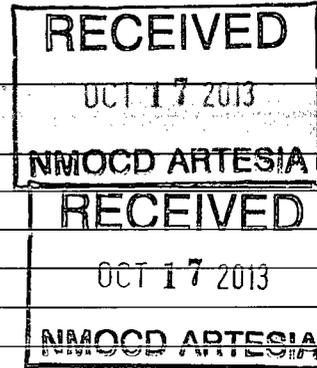


Closure Report



Site Description	
Site Name:	AMAX 24 #8 CTB
Company:	Oxy Permian Ltd.
Legal Description:	Section 24, T23S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.28895° W 103.73888°

Release Data	
Date of Release:	01/24/2012
Type of Release:	Oil and produced water
Source of Release:	End cap leak on rental frac tank
Volume of Release:	30 bbls
Volume Recovered:	0 bbls

Remediation Specifications	
Remediation Parameters:	Excavate 2' in the areas of SP1- SP3. Excavate 1' in the areas of SP4 & SP5. In the area of SP6, excavate 3' & obtain sidewall confirmation samples & test for TPH, BTEX, and Cl. Excavate 1' in the areas of SP7- SP9. Obtain confirmation bottom and sidewall samples. Backfill the site with clean soil.
Remediation Activities:	09/05/2013 to 10/07/2013

Plan Sent to OCD:	01/22/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	01/25/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	01/28/2013	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	03/25/2013	Email from J. Van Curen to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 03/22/2012
Final C-141	Signed 10/15/2013
Site Diagram	February 2012
Groundwater Plot	200'
TOPO Maps	February 2012
Lab Summary	04/04/12-04/06/12, 04/09/12, 09/10/12, 09/10/13, & 09/19/2013
Lab Analysis	04/04/12-04/06/12, 04/09/12, 09/10/12, 09/10/13, & 09/19/2013
Correspondence	Request and approval of remediation plan via email

Request for Closure	
Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.	
Cliff Brunson, President of BBC International Inc.	10/15/2013

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Road; Hobbs, NM 88240	Telephone No.	575-397-8216
Facility Name	AMAX 24 #8 CTB	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		Lease No.	

LOCATION OF RELEASE

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

Latitude 32.28895

Longitude 103.73888

NATURE OF RELEASE

Type of Release	Oil & Produced water	Volume of Release	30 bbls	Volume Recovered	0 bbls
Source of Release	End Cap Leak on rental Frac Tank	Date and Hour of Occurrence	01/24/2012 @ 9:35 a.m.	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?			
By Whom?	Chancey Summers	Mike Bratcher-OCD, James Amos- BLM			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date and Hour 02/16/2012 @ 11:33 a.m.			
If YES, Volume Impacting the Watercourse.					

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A failure of the end cap on a frac tank caused 30 bbls of oil and produced water to leak. The end cap was replaced.

Describe Area Affected and Cleanup Action Taken.*

Remediate to NMOCD guidelines.

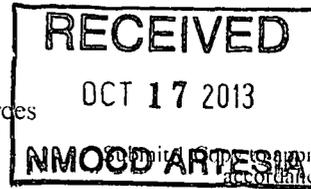
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: chancey_summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>3-22-12</u> Phone: (575) 397-8216			

* 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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-141
Revised August 8, 2011

Submit 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 #8 CTB	Facility Type	Gathering

Surface Owner	BLM	Mineral Owner		API No.	
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LOCATION OF RELEASE

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

Latitude N 32.28895°

Longitude W 103.73888°

NATURE OF RELEASE

Type of Release	Oil & Produced water	Volume of Release	30 bbls	Volume Recovered	0 bbls
Source of Release	End Cap Leak on rental Frac Tank	Date and Hour of Occurrence	01/24/2012 @ 9:35 am	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; James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	02/16/2012 @ 11:33 am		
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.*
A failure of the end cap on a frac tank caused 30 bbls of oil and produced water to leak. The end cap was replaced.

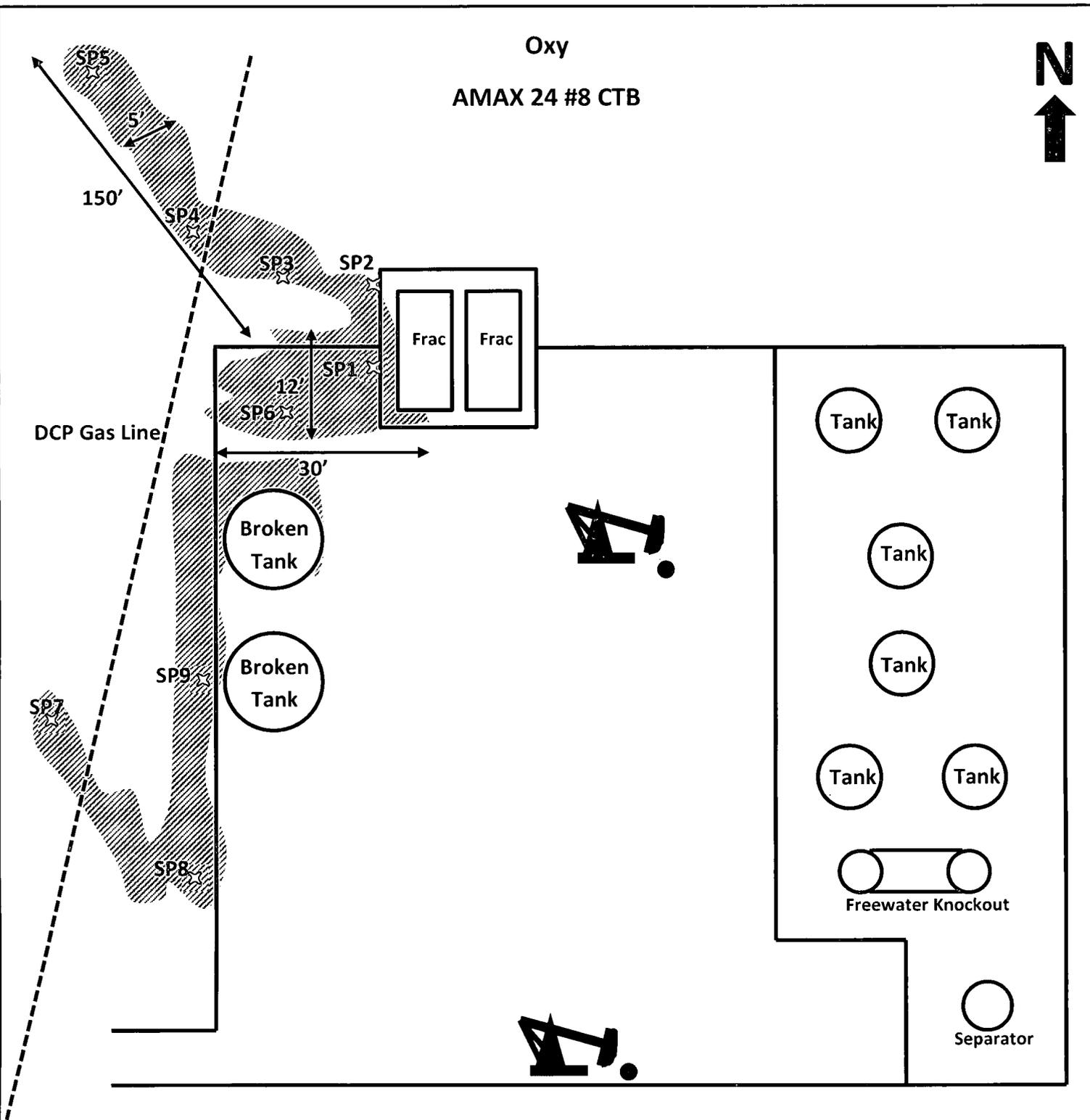
Describe Area Affected and Cleanup Action Taken.*
The area affected was on location and in pasture land. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 01/25/2013 and approved by Jennifer Van Curen of the BLM via email on 04/02/2013.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>10/15/13</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

Oxy
 AMAX 24 #8 CTB



Section 24, T23S, R31E
 Eddy County, NM
 N 32.28895 W 103.73888

BBC International, Inc.	
Oxy	
AMAX 24 #8 CTB	
Date: 02/08/12	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2012

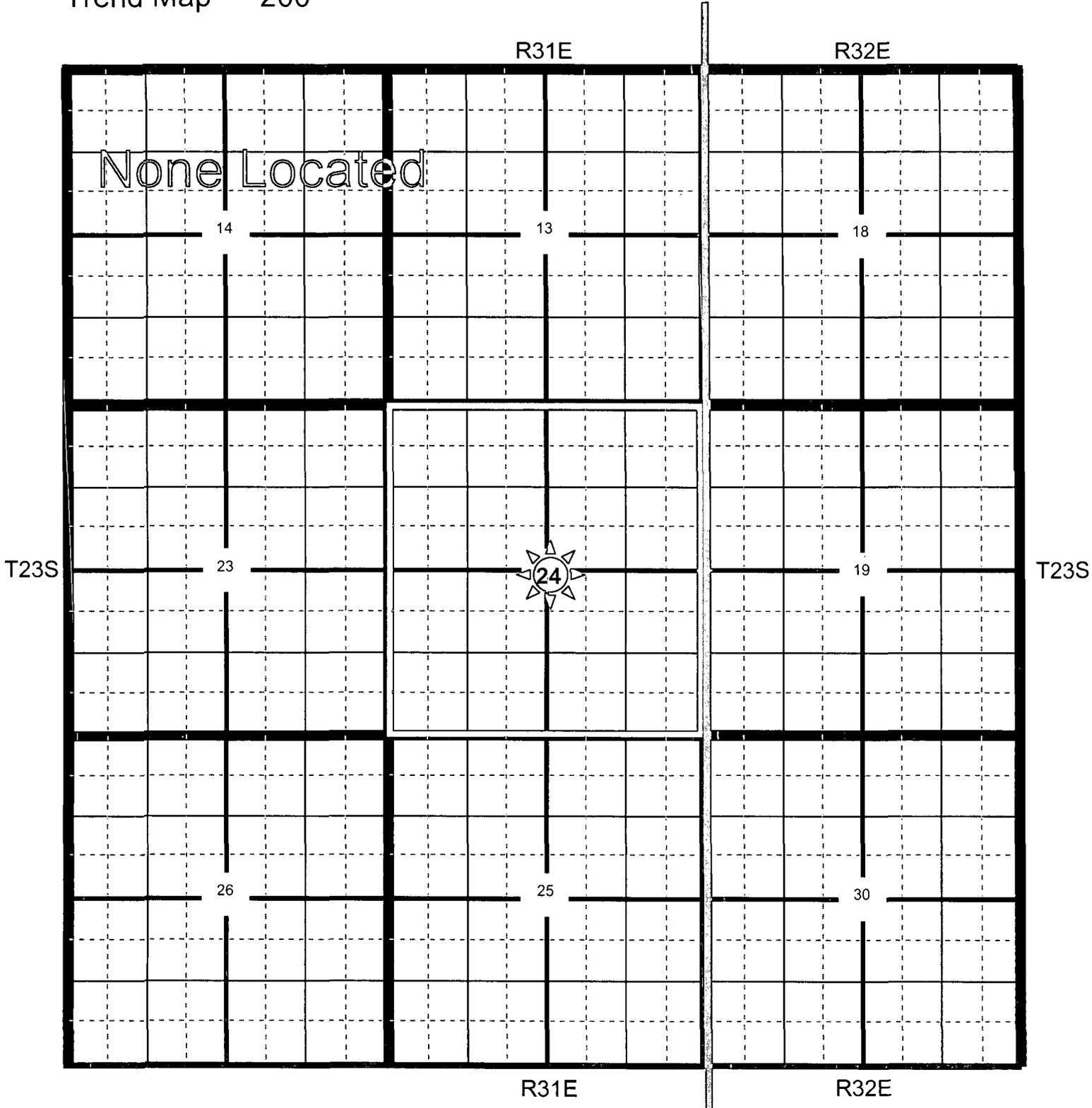


Groundwater Plot

Oxy AMAX 24 #8 CTB

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

Trend Map 200'



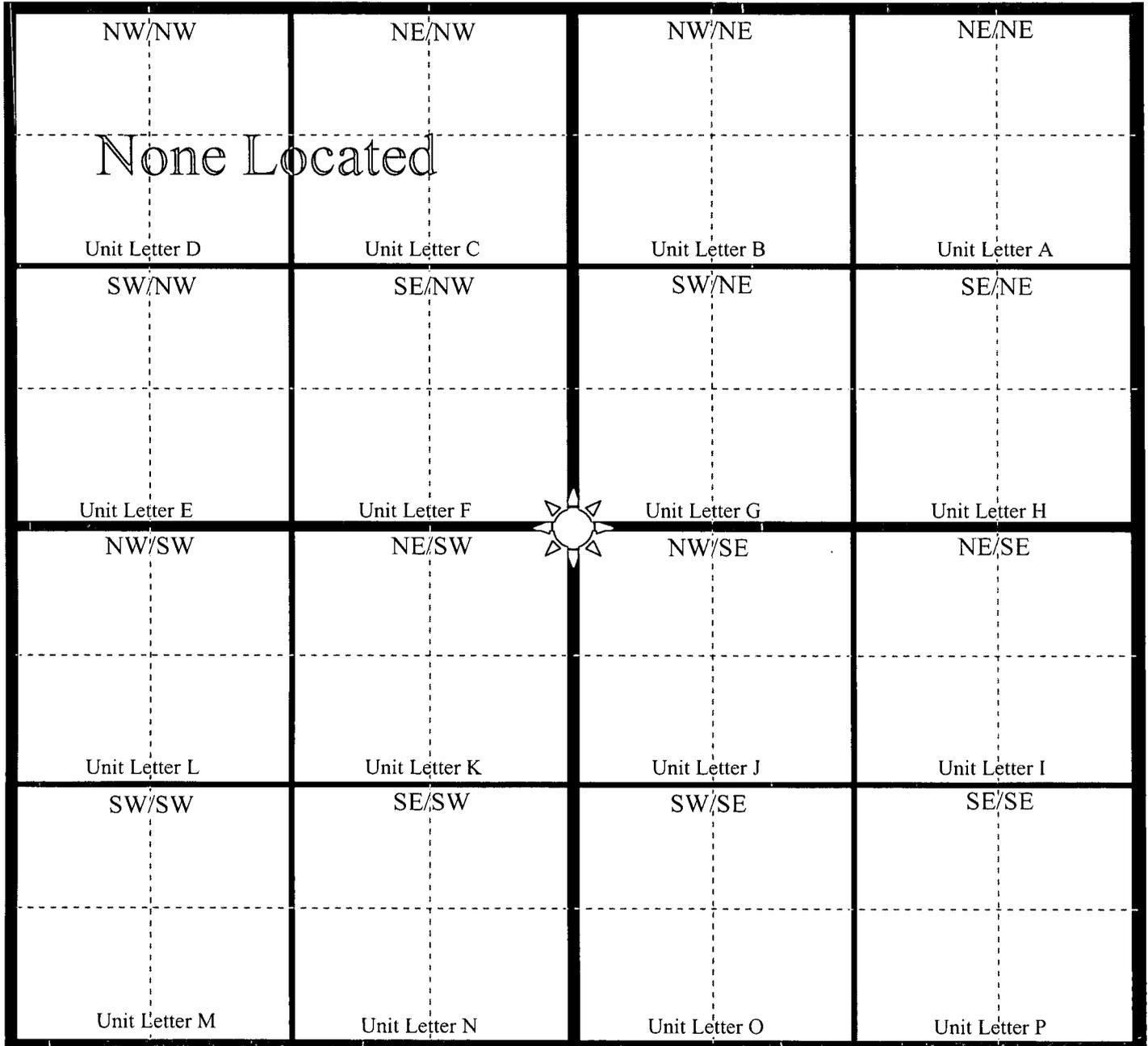
Oxy AMAX 24 #8 CTB

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

Trend Map 200'

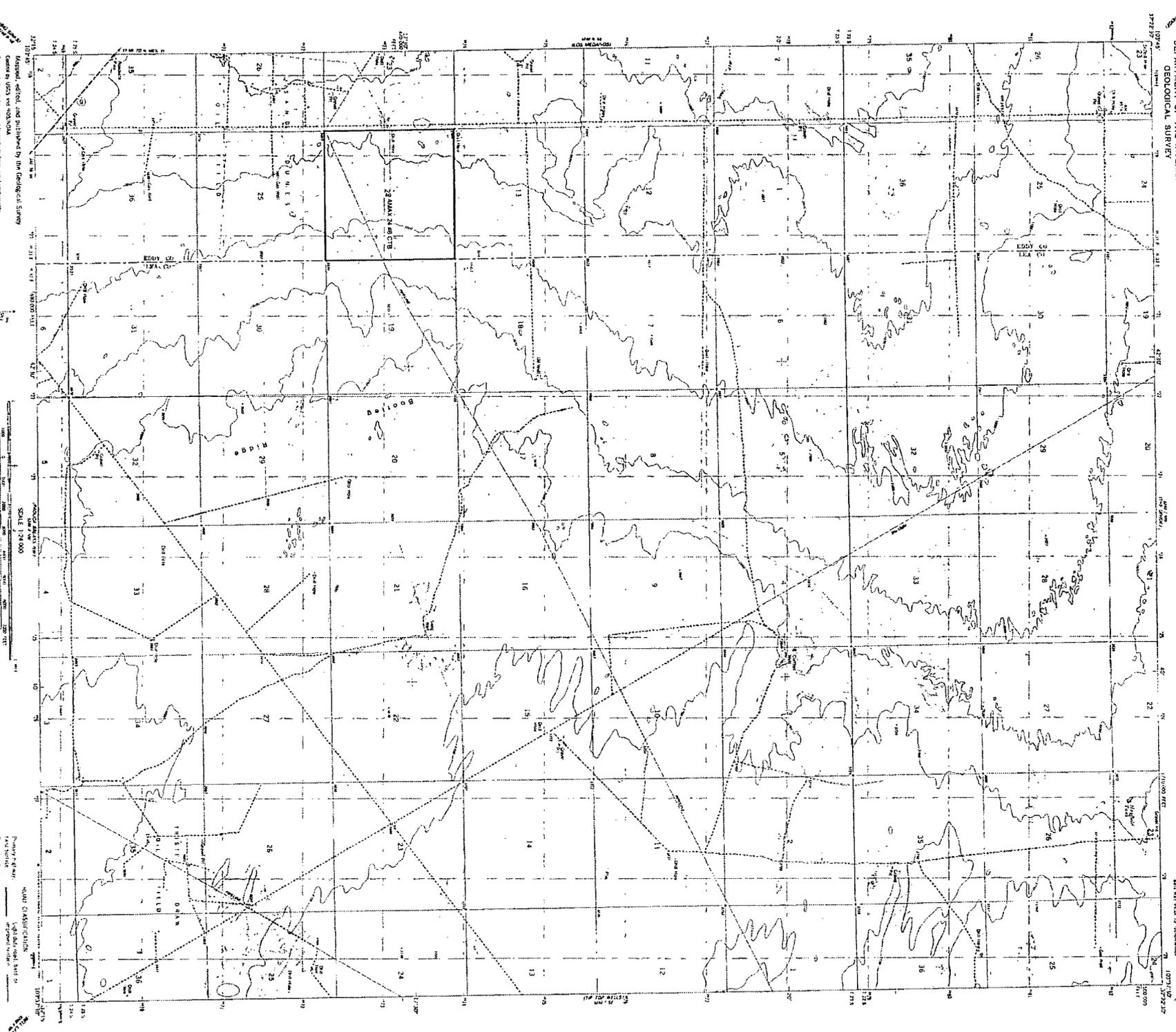
1

2

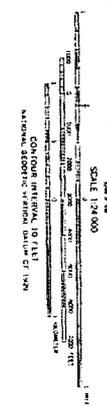


3

4



Revised, edited, and published by the Geological Survey
Scale 1:62,500
Projection and 10,000 foot grid. New Mexico
Zone 17T. North American Datum 1983.
242 North American Datum
1983. The projection uses a
Lambert Conformal Conic Projection.
The map is published by the Geological Survey.



LAND CLASSIFICATION
Light duty road
Primary road
Contour interval, 10 feet
National Geographic Institute
Scale 1:62,500

BOOTLEO RIDGE, N. MEX.
Scale 1:62,500
1971

Laboratory Analytical Results Summary
Amax 24 #8 CTB

		Sample	SP1 @ Surface	SP1 @ 2 ft	SP1 @ 3 ft	SP2 @ Surface	SP2 @ 2 ft	SP3 @ Surface	SP3 @ 2 ft	SP3 @ 5 ft	SP3 @ 8 ft	SP3 @ 9 ft	SP3 @ 10 ft
Analyte	Method	Date	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/6/12
			mg/Kg	mg/Kg	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	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	0.793	<0.050	0.175	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	1.23	<0.050	1.27	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	5.05	<0.150	5.48	<0.150	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		864	128	1280	48.0	6960	<16.0	880	2760	160	128	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	98.4	<10.0	367	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		59.5	195	123	159	<10.0	16000	38.5	140	<10.0	<10.0	<10.0

		Sample	SP4 @ Surface	SP4 @ 2 ft	SP4 @ 5 ft	SP4 @ 7 ft	SP5 @ Surface	SP5 @ 2 ft	SP5 @ 4 ft	SP5 @ 6 ft	SP6 @ Surface	SP6 @ 2 ft	SP6 @ 5 ft	SP6 @ 8 ft	SP6 @ 10 ft
Analyte	Method	Date	4/6/12	4/6/12	4/6/12	4/6/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/6/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.272	<0.050	<0.050	<0.050	0.212	<0.050	<0.050	<0.050	0.589	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.78	<0.050	<0.050	<0.050	1.56	<0.050	<0.050	<0.050	2.14	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		7.24	<0.150	<0.150	<0.150	6.91	<0.150	<0.150	<0.150	8.52	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		<16.0	<16.0	32.0	128.0	<16.0	16.0	32.0	80.0	1760	1640	1870	2800	80.0
GRO	TPH 8015M		380	<10	<10	<10	473	<10.0	<10.0	<10.0	480	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		15500	35.7	24.8	<10	18800	<10.0	<10.0	<10.0	13600	37.5	<10.0	23.2	<10.0

<i>2nd sampling event</i>		Sample	SP7 @ Surface	SP7 @ 1'	SP7 @ 3'	SP8 @ Surface	SP8 @ 1'	SP8 @ 3'	SP9 @ Surface	SP9 @ 1'	SP9 @ 3'
Analyte	Method	Date	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12
			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	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	0.085	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.447	<0.150	<0.150	0.571	<0.150	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		32	<16.0	48	16.0	<16.0	32	16	<16.0	48
GRO	TPH 8015M		62.5	<10.0	<10.0	76.6	<10.0	<10.0	<100	<10.0	<10.0
DRO	TPH 8015M		7890	171	76.1	8000	135	161	4690	91.5	22.4

<i>3rd sampling event</i>		Sample	SP1 @ 4'	SP1 @ 5'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	9/10/12	9/10/12	9/10/12	9/10/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	>16.0

Laboratory Analytical Results Summary
AMAX 24 #8

Confirmation		Sample	Sidewall 1
Analyte	Method	Date	9/10/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		80
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Confirmation		Sample	Bottom Sample
Analyte	Method	Date	9/19/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		368
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		75.6

		Sample	Sidewall 2
Analyte	Method	Date	9/10/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		80
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	Sidewall 3
Analyte	Method	Date	9/10/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	Sidewall 4
Analyte	Method	Date	9/10/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		96
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



April 12, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: AMAX 24 #8 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/09/12 10:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/04/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ SURFACE (H200799-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	04/11/2012	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	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	59.5	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 106 % 55.5-154
Surrogate: 1-Chlorooctadecane 129 % 57.6-158

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: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/04/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ 2' (H200799-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/11/2012	ND	416	104	400	0.00		

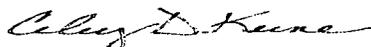
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	195	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 112 % 55.5-154
Surrogate: 1-Chlorooctadecane 130 % 57.6-158

Cardinal Laboratories

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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: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/04/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ 3' (H200799-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	04/11/2012	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	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	123	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 113 % 55.5-154

Surrogate: 1-Chlorooctadecane 142 % 57.6-158

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Received:	04/09/2012	Sampling Date:	04/04/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 2 @ SURFACE (H200799-04)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95	
Toluene*	0.793	0.050	04/10/2012	ND	2.10	105	2.00	1.70	
Ethylbenzene*	1.23	0.050	04/10/2012	ND	2.10	105	2.00	1.22	
Total Xylenes*	5.05	0.150	04/10/2012	ND	6.50	108	6.00	1.09	

Surrogate: 4-Bromofluorobenzene (PIL) 135 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/11/2012	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	98.4	10.0	04/11/2012	ND	192	95.9	200	0.732	
DRO >C10-C28	159	10.0	04/11/2012	ND	188	94.2	200	17.1	

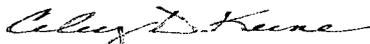
Surrogate: 1-Chlorooctane 119 % 55.5-154

Surrogate: 1-Chlorooctadecane 134 % 57.6-158

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Analytical Results For:

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Received:	04/09/2012	Sampling Date:	04/04/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 2 @ 2' (H200799-05)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	04/11/2012	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	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 103 % 55.5-154
Surrogate: 1-Chlorooctadecane 110 % 57.6-158

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Received:	04/09/2012	Sampling Date:	04/04/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ SURFACE (H200799-06)

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	0.175	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	1.27	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	5.48	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 156 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/11/2012	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	367	50.0	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	16000	50.0	04/11/2012	ND	188	94.2	200	17.1		

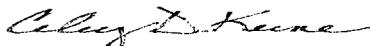
Surrogate: 1-Chlorooctane 156 % 55.5-154

Surrogate: 1-Chlorooctadecane 267 % 57.6-158

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Received:	04/09/2012	Sampling Date:	04/04/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ 2' (H200799-07)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 124 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	04/11/2012	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	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	38.5	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 122 % 55.5-154
Surrogate: 1-Chlorooctadecane 151 % 57.6-158

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 Received: 04/09/2012
 Reported: 04/12/2012
 Project Name: AMAX 24 #8 CTB
 Project Number: NONE GIVEN
 Project Location: C-29

 Sampling Date: 04/04/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 5' (H200799-08)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 99.8 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	04/11/2012	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	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	140	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 117 % 55.5-154

Surrogate: 1-Chlorooctadecane 133 % 57.6-158

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 Fax To: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/04/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ 8' (H200799-09)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PII) 102 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/11/2012	ND	416	104	400	0.00		

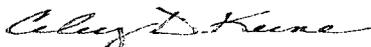
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 111 % 55.5-154
Surrogate: 1-Chlorooctadecane 119 % 57.6-158

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Received:	04/09/2012	Sampling Date:	04/06/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ 9' (H200799-10)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 99.5 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/11/2012	ND	416	104	400	0.00		

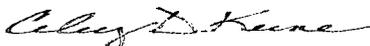
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 106 % 55.5-154
Surrogate: 1-Chlorooctadecane 126 % 57.6-158

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Received:	04/09/2012	Sampling Date:	04/06/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ 10' (H200799-11)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/11/2012	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	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 79.5 % 55.5-154
Surrogate: 1-Chlorooctadecane 87.5 % 57.6-158

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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: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/06/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ SURFACE (H200799-12)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	0.272	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	1.78	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	7.24	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/11/2012	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	380	100	04/11/2012	ND	192	95.9	200	0.732			
DRO >C10-C28	15500	100	04/11/2012	ND	188	94.2	200	17.1			

Surrogate: 1-Chlorooctane 170 % 55.5-154
Surrogate: 1-Chlorooctadecane 290 % 57.6-158

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Received:	04/09/2012	Sampling Date:	04/06/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ 2' (H200799-13)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 99.3 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/11/2012	ND	416	104	400	0.00		

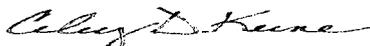
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	35.7	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 110 % 55.5-154
Surrogate: 1-Chlorooctadecane 135 % 57.6-158

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 Fax To: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/06/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ 5' (H200799-14)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2012	ND	1.97	98.4	2.00	2.95		
Toluene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.70		
Ethylbenzene*	<0.050	0.050	04/10/2012	ND	2.10	105	2.00	1.22		
Total Xylenes*	<0.150	0.150	04/10/2012	ND	6.50	108	6.00	1.09		

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2012	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	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	24.8	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 113 % 55.5-154

Surrogate: 1-Chlorooctadecane 135 % 57.6-158

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Received:	04/09/2012	Sampling Date:	04/06/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ 7' (H200799-15)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30		
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75		
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67		

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/11/2012	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	04/11/2012	ND	192	95.9	200	0.732		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	188	94.2	200	17.1		

Surrogate: 1-Chlorooctane 108 % 55.5-154
Surrogate: 1-Chlorooctadecane 125 % 57.6-158

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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 5 @ SURFACE (H200799-16)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	0.212	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	1.56	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	6.91	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL) 178 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/11/2012	ND	416	104	400	0.00	

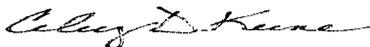
TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	473	100	04/11/2012	ND	192	95.9	200	0.732	
DRO >C10-C28	18800	100	04/11/2012	ND	188	94.2	200	17.1	

Surrogate: 1-Chlorooctane 191 % 55.5-154
Surrogate: 1-Chlorooctadecane 404 % 57.6-158

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 Fax To: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 5 @ 2' (H200799-17)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30		
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75		
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67		

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/11/2012	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	04/11/2012	ND	197	98.7	200	3.96		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	221	110	200	12.5		

Surrogate: 1-Chlorooctane 95.5 % 55.5-154
Surrogate: 1-Chlorooctadecane 103 % 57.6-158

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 Hobbs NM, 88241
 Fax To: (505) 397-0397

 Received: 04/09/2012
 Reported: 04/12/2012
 Project Name: AMAX 24 #8 CTB
 Project Number: NONE GIVEN
 Project Location: C-29

 Sampling Date: 04/05/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 @ 4' (H200799-18)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30		
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75		
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67		

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2012	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	04/11/2012	ND	197	98.7	200	3.96		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	221	110	200	12.5		

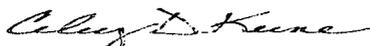
Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 123 % 57.6-158

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 Fax To: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 5 @ 6' (H200799-19)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30		
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75		
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67		

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/11/2012	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	04/11/2012	ND	197	98.7	200	3.96		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	221	110	200	12.5		

Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 113 % 57.6-158

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 Fax To: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 6 @ SURFACE (H200799-20)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30		
Toluene*	0.589	0.050	04/11/2012	ND	2.09	105	2.00	1.75		
Ethylbenzene*	2.14	0.050	04/11/2012	ND	2.10	105	2.00	2.09		
Total Xylenes*	8.52	0.150	04/11/2012	ND	6.57	109	6.00	1.67		

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	04/11/2012	ND	400	100	400	3.92		

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	480	50.0	04/11/2012	ND	197	98.7	200	3.96			
DRO >C10-C28	13600	50.0	04/11/2012	ND	221	110	200	12.5			

Surrogate: 1-Chlorooctane 144 % 55.5-154

Surrogate: 1-Chlorooctadecane 300 % 57.6-158

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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: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 6 @ 2' (H200799-21)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30		
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75		
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67		

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1640	16.0	04/11/2012	ND	400	100	400	3.92		

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	04/11/2012	ND	197	98.7	200	3.96		
DRO >C10-C28	37.5	10.0	04/11/2012	ND	221	110	200	12.5		

Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 126 % 57.6-158

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 Fax To: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 6 @ 5' (H200799-22)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1870	16.0	04/11/2012	ND	400	100	400	3.92	

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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	221	110	200	12.5	

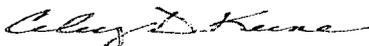
Surrogate: 1-Chlorooctane 112 % 55.5-154

Surrogate: 1-Chlorooctadecane 135 % 57.6-158

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 Fax To: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 6 @ 8' (H200799-23)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30		
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75		
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67		

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	04/11/2012	ND	400	100	400	3.92		

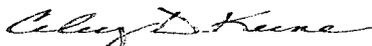
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/11/2012	ND	197	98.7	200	3.96		
DRO >C10-C28	23.2	10.0	04/11/2012	ND	221	110	200	12.5		

Surrogate: 1-Chlorooctane 124 % 55.5-154
Surrogate: 1-Chlorooctadecane 154 % 57.6-158

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	04/09/2012	Sampling Date:	04/06/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 6 @ 10' (H200799-24)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30		
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75		
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67		

Surrogate: 4-Bromofluorobenzene (PIL) 99.4 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/11/2012	ND	400	100	400	3.92		

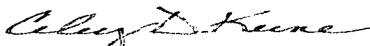
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/11/2012	ND	197	98.7	200	3.96		
DRO >C10-C28	<10.0	10.0	04/11/2012	ND	221	110	200	12.5		

Surrogate: 1-Chlorooctane 109 % 55.5-154
Surrogate: 1-Chlorooctadecane 128 % 57.6-158

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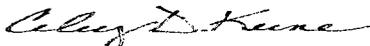
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Celey D. Keene, Lab Director/Quality Manager

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.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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



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

3

Company Name: BBC International, Inc.		BILL TO:		ANALYSIS REQUEST												
Project Manager: Cliff Brunson		P.O. #:		<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;"> TPH BTEX CHLORIDE </div>												
Address: P.O. Box 805		Company:														
City: Hobbs State: NM Zip: 88241		Attn:														
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: <u>SAME</u>														
Project #: Project Owner: <u>WJ</u>		City:														
Project Name: <u>Amox 24 # 9 CTB</u>		State: Zip:														
Project Location: <u>M4</u>		Phone #:														
Sampler Name: <u>Rosa Hernandez</u>		Fax #:														
FOR LAB USE ONLY																
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		
<u>H200759</u>																
<u>21</u>	<u>sp 6 e 2:</u>	<u>1</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>4-2-12</u>	<u>3:08</u>	<u>✓</u>	<u>✓</u>
<u>22</u>	<u>sp 5:</u>	<u>1</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>4-5-12</u>	<u>2:45</u>	<u>✓</u>	<u>✓</u>
<u>23</u>	<u>sp 8:</u>	<u>1</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>4-3-12</u>	<u>4:20</u>	<u>✓</u>	<u>✓</u>
<u>24</u>	<u>sp 10:</u>	<u>1</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>4-6-12</u>	<u>11:59</u>	<u>✓</u>	<u>✓</u>

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Relinquished By: <u>Rosa Hernandez</u>	Date: <u>4-9-12</u> Time: <u>8:00</u>	Received By: <u>Ken Swearingen</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: <u>Ken Swearingen</u>	Date: <u>4-9-12</u> Time: <u>10:23 AM</u>	Received By: <u>Jodi Newson</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>JAN</u>	REMARKS:

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

#26

April 16, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: AMAX 24 #8 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/10/12 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

 Received: 04/10/2012
 Reported: 04/16/2012
 Project Name: AMAX 24 #8 CTB
 Project Number: NONE GIVEN
 Project Location: C-29

 Sampling Date: 04/09/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ SURFACE (H200817-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62		
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01		
Ethylbenzene*	<0.050	0.050	04/13/2012	ND	2.17	109	2.00	2.55		
Total Xylenes*	0.447	0.150	04/13/2012	ND	6.79	113	6.00	2.15		

Surrogate: 4-Bromofluorobenzene (PIL) 116 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/13/2012	ND	432	108	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	62.5	50.0	04/13/2012	ND	202	101	200	1.06			
DRO >C10-C28	7890	50.0	04/13/2012	ND	198	99.0	200	6.49			

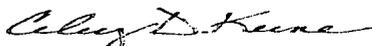
Surrogate: 1-Chlorooctane 114 % 55.5-154

Surrogate: 1-Chlorooctadecane 226 % 57.6-158

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 Fax To: (505) 397-0397

Received:	04/10/2012	Sampling Date:	04/09/2012
Reported:	04/16/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 7 @ 1' (H200817-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62		
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01		
Ethylbenzene*	<0.050	0.050	04/13/2012	ND	2.17	109	2.00	2.55		
Total Xylenes*	<0.150	0.150	04/13/2012	ND	6.79	113	6.00	2.15		

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 64.4-134

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	04/13/2012	ND	432	108	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	04/13/2012	ND	202	101	200	1.06		
DRO >C10-C28	171	10.0	04/13/2012	ND	198	99.0	200	6.49		

Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 107 % 57.6-158

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 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	04/10/2012	Sampling Date:	04/09/2012
Reported:	04/16/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 7 @ 3' (H200817-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62		
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01		
Ethylbenzene*	<0.050	0.050	04/13/2012	ND	2.17	109	2.00	2.55		
Total Xylenes*	<0.150	0.150	04/13/2012	ND	6.79	113	6.00	2.15		

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/13/2012	ND	432	108	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	04/13/2012	ND	202	101	200	1.06		
DRO >C10-C28	76.1	10.0	04/13/2012	ND	198	99.0	200	6.49		

Surrogate: 1-Chlorooctane 107 % 55.5-154
Surrogate: 1-Chlorooctadecane 114 % 57.6-158

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 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	04/10/2012	Sampling Date:	04/09/2012
Reported:	04/16/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 8 @ SURFACE (H200817-04)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62	
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01	
Ethylbenzene*	0.085	0.050	04/13/2012	ND	2.17	109	2.00	2.55	
Total Xylenes*	0.571	0.150	04/13/2012	ND	6.79	113	6.00	2.15	

Surrogate: 4-Bromofluorobenzene (PII) 121 % 64.4-134

Chloride, SM4500CI-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	04/13/2012	ND	432	108	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	76.6	50.0	04/13/2012	ND	202	101	200	1.06		
DRO >C10-C28	8000	50.0	04/13/2012	ND	198	99.0	200	6.49		

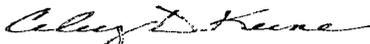
Surrogate: 1-Chlorooctane 124 % 55.5-154

Surrogate: 1-Chlorooctadecane 229 % 57.6-158

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: (505) 397-0397

Received:	04/10/2012	Sampling Date:	04/09/2012
Reported:	04/16/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 8 @ 1' (H200817-05)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62		
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01		
Ethylbenzene*	<0.050	0.050	04/13/2012	ND	2.17	109	2.00	2.55		
Total Xylenes*	<0.150	0.150	04/13/2012	ND	6.79	113	6.00	2.15		

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500CI-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	04/13/2012	ND	432	108	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	04/13/2012	ND	202	101	200	1.06		
DRO >C10-C28	135	10.0	04/13/2012	ND	198	99.0	200	6.49		

Surrogate: 1-Chlorooctane 108 % 55.5-154
Surrogate: 1-Chlorooctadecane 115 % 57.6-158

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	04/10/2012	Sampling Date:	04/09/2012
Reported:	04/16/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 8 @ 3' (H200817-06)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62		
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01		
Ethylbenzene*	<0.050	0.050	04/13/2012	ND	2.17	109	2.00	2.55		
Total Xylenes*	<0.150	0.150	04/13/2012	ND	6.79	113	6.00	2.15		

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/13/2012	ND	432	108	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	04/13/2012	ND	202	101	200	1.06		
DRO >C10-C28	161	10.0	04/13/2012	ND	198	99.0	200	6.49		

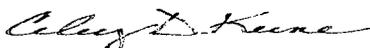
Surrogate: 1-Chlorooctane 107 % 55.5-154

Surrogate: 1-Chlorooctadecane 115 % 57.6-158

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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: (505) 397-0397

Received:	04/10/2012	Sampling Date:	04/09/2012
Reported:	04/16/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 9 @ SURFACE (H200817-07)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62		
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01		
Ethylbenzene*	<0.050	0.050	04/13/2012	ND	2.17	109	2.00	2.55		
Total Xylenes*	<0.150	0.150	04/13/2012	ND	6.79	113	6.00	2.15		

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 64.4-134

Chloride, SM4500CI-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	04/13/2012	ND	432	108	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	<100	100	04/13/2012	ND	202	101	200	1.06		
DRO >C10-C28	4690	100	04/13/2012	ND	198	99.0	200	6.49		

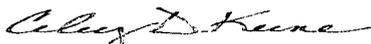
Surrogate: 1-Chlorooctane 123 % 55.5-154

Surrogate: 1-Chlorooctadecane 146 % 57.6-158

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	04/10/2012	Sampling Date:	04/09/2012
Reported:	04/16/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 9 @ 1' (H200817-08)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62		
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01		
Ethylbenzene*	<0.050	0.050	04/13/2012	ND	2.17	109	2.00	2.55		
Total Xylenes*	<0.150	0.150	04/13/2012	ND	6.79	113	6.00	2.15		

Surrogate: 4-Bromofluorobenzene (PII) 107 % 64.4-134

Chloride, SM4500CI-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	04/13/2012	ND	416	104	400	3.92		

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	04/13/2012	ND	202	101	200	1.06		
DRO >C10-C28	91.5	10.0	04/13/2012	ND	198	99.0	200	6.49		

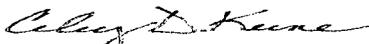
Surrogate: 1-Chlorooctane 104 % 55.5-154

Surrogate: 1-Chlorooctadecane 92.3 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	04/10/2012	Sampling Date:	04/09/2012
Reported:	04/16/2012	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 9 @ 3' (H200817-09)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2012	ND	2.05	102	2.00	3.62		
Toluene*	<0.050	0.050	04/13/2012	ND	2.16	108	2.00	3.01		
Ethylbenzene*	<0.050	0.050	04/13/2012	ND	2.17	109	2.00	2.55		
Total Xylenes*	<0.150	0.150	04/13/2012	ND	6.79	113	6.00	2.15		

Surrogate: 4-Bromofluorobenzene (PII) 102 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/13/2012	ND	416	104	400	3.92		

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	04/13/2012	ND	202	101	200	1.06		
DRO >C10-C28	22.4	10.0	04/13/2012	ND	198	99.0	200	6.49		

Surrogate: 1-Chlorooctane 107 % 55.5-154

Surrogate: 1-Chlorooctadecane 100 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

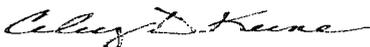
Notes and Definitions

- 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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Celest D. Keene, Lab Director/Quality Manager

September 18, 2012

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: AMAX #24

Enclosed are the results of analyses for samples received by the laboratory on 09/10/12 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	09/10/2012	Sampling Date:	09/10/2012
Reported:	09/18/2012	Sampling Type:	Soil
Project Name:	AMAX #24	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HWY C-29		

Sample ID: SP 1 @ 4' (H202189-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/14/2012	ND	416	104	400	0.00		

Sample ID: SP 1 @ 5' (H202189-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/14/2012	ND	416	104	400	0.00		

Sample ID: SP 2 @ 3' (H202189-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/14/2012	ND	416	104	400	3.77		

Sample ID: SP 2 @ 4' (H202189-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/14/2012	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

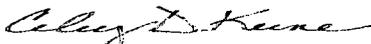
Notes and Definitions

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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Celest 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 State: NM Zip: 88241		Attn: <i>AME</i>																																																																																																																											
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:																																																																																																																											
Project #: Project Owner: <i>OK</i>		City:																																																																																																																											
Project Name: <i>AMUC #24</i>		State: Zip:																																																																																																																											
Project Location: <i>Highway 29</i>		Phone #:																																																																																																																											
Sampler Name: <i>ROGER HERRON</i>		Fax #:																																																																																																																											
FOR LAB USE ONLY												<i>CHICORY</i>																																																																																																																	
<table border="1"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(GRAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th colspan="2">PRESERV</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE/COOL</th> <th>OTHER</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td><i>H202189</i></td> <td></td> </tr> <tr> <td><i>1</i></td> <td><i>SP 1 @ 4'</i></td> <td><i>1</i></td> <td><i>1</i></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td><i>9/10/12</i></td> <td><i>9:30</i></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>2</i></td> <td><i>5'</i></td> <td><i>1</i></td> <td><i>1</i></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td><i>9/10/12</i></td> <td><i>9:45</i></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>3</i></td> <td><i>SP 2 @ 3'</i></td> <td><i>1</i></td> <td><i>1</i></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td><i>9/10/12</i></td> <td><i>10:27</i></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>4</i></td> <td><i>4'</i></td> <td><i>1</i></td> <td><i>1</i></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td><i>9/10/12</i></td> <td><i>10:47</i></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>														Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		SAMPLING		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	<i>H202189</i>																		<i>1</i>	<i>SP 1 @ 4'</i>	<i>1</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>9/10/12</i>	<i>9:30</i>	<input checked="" type="checkbox"/>				<i>2</i>	<i>5'</i>	<i>1</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>9/10/12</i>	<i>9:45</i>	<input checked="" type="checkbox"/>				<i>3</i>	<i>SP 2 @ 3'</i>	<i>1</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>9/10/12</i>	<i>10:27</i>	<input checked="" type="checkbox"/>				<i>4</i>	<i>4'</i>	<i>1</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>9/10/12</i>	<i>10:47</i>	<input checked="" type="checkbox"/>	
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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: <i>[Signature]</i>	Date: <i>9/10/12</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>4:50</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>	Date: <i>9/10/12</i>	Received By: <i>[Signature]</i>	REMARKS:	
	Time: <i>4:50</i>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	50	CHECKED BY: (Initials) <i>[Initials]</i>	

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



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

September 16, 2013

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: AMAX 24 #8 CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/11/13 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SIDE WALL #1 (H302197-01)

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	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 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	80.0	16.0	09/12/2013	ND	400	100	400	3.92		

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	09/13/2013	ND	202	101	200	1.28		
DRO >C10-C28	<10.0	10.0	09/13/2013	ND	198	98.9	200	0.838		

Surrogate: 1-Chlorooctane 83.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.7 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SIDE WALL #2 (H302197-02)

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	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 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	80.0	16.0	09/12/2013	ND	400	100	400	3.92		

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	09/13/2013	ND	202	101	200	1.28		
DRO >C10-C28	<10.0	10.0	09/13/2013	ND	198	98.9	200	0.838		

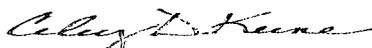
Surrogate: 1-Chlorooctane 82.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.9 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/11/2013
 Reported: 09/16/2013
 Project Name: AMAX 24 #8 CTB
 Project Number: NONE GIVEN
 Project Location: C-29

 Sampling Date: 09/10/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SIDE WALL #3 (H302197-03)

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	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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	48.0	16.0	09/12/2013	ND	400	100	400	3.92		

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	09/13/2013	ND	202	101	200	1.28		
DRO >C10-C28	<10.0	10.0	09/13/2013	ND	198	98.9	200	0.838		

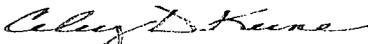
Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SIDE WALL #4 (H302197-04)

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	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 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	96.0	16.0	09/12/2013	ND	400	100	400	3.92		

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	09/13/2013	ND	202	101	200	1.28		
DRO >C10-C28	<10.0	10.0	09/13/2013	ND	198	98.9	200	0.838		

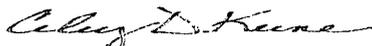
Surrogate: 1-Chlorooctane 85.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.3 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

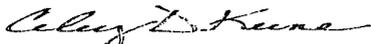
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

September 24, 2013

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: AMAX 24 #8 CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/19/13 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

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:	09/19/2013	Sampling Date:	09/19/2013
Reported:	09/24/2013	Sampling Type:	Soil
Project Name:	AMAX 24 #8 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: BOTTOM SAMPLE (H302293-01)

BTEX 8021B		mg/kg		Analyzed By: MS				A-01a		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2013	ND	1.90	95.0	2.00	8.98		
Toluene*	<0.050	0.050	09/23/2013	ND	2.01	100	2.00	8.85		
Ethylbenzene*	<0.050	0.050	09/23/2013	ND	2.11	105	2.00	8.63		
Total Xylenes*	<0.150	0.150	09/23/2013	ND	6.35	106	6.00	8.10		
Total BTEX	<0.300	0.300	09/23/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 129 % 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	368	16.0	09/24/2013	ND	416	104	400	3.77		

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	09/21/2013	ND	200	100	200	0.330		
DRO >C10-C28	75.6	10.0	09/21/2013	ND	193	96.4	200	1.85		

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 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.



Celey D. Keene, Lab Director/Quality Manager

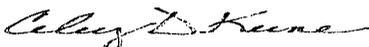
Notes and Definitions

- A-01a Surrogates failed QC limits, High. No target compounds detected above PQL.
- A-01 BFB surrogate failed high. No target compounds detected in associated samples.
- 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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/1

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																									
Project Manager: Cliff Brunson		P.O. #:																											
Address: P.O. Box 805		Company:																											
City: Hobbs State: NM Zip: 88241		Attn:																											
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: SAME																											
Project #: Project Owner: PKY		City:																											
Project Name: Amak 24 # 8		State: Zip:																											
Project Location: C 29		Phone #:																											
Sampler Name: Roger Hernandez		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D. H301793		Sample I.D. Bottom Sample		# GRAB OR (COMP)		# CONTAINERS		MATRIX			PRESERV			SAMPLING															
				GROUNDWATER		WASTE WATER		SOIL			ICE / COOL			DATE		TIME													
								SLUDGE			ACID/BASE			9-19-13		8:00		TPH BTEX CK-											
								OTHER			OTHER																		

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:	Date: 9-19-13	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 5:00		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	(Initials)		

† 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: Friday, January 25, 2013 11:50 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Oxy-Amax 24 #8 Central Tank Battery-Remediation Plan

Reference: OXY USA * AMAX 24 Federal 8 * 30-015-27162 * L-24-23s-31e * Eddy County, New Mexico
NMOCD Reference Number: 2RP-1080 * Date of release: 1/24/12

Cliff,

Your proposal for remediation of the above referenced release is approved. The site is situated on federal surface and may require like approval from 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, 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 P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Tuesday, January 22, 2013 8:37 AM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Oxy-Amax 24 #8 Central Tank Battery-Remediation Plan

Mike,

This e-mail is to confirm our discussion on January 14, 2013 concerning the remediation plan for the release that occurred at the Oxy Amax 24 #8 Central Tank Battery. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will excavate 2 feet in the areas covered by SP1, SP2, and SP3 and will excavate to 1 foot in depth in the areas covered by SP4 and SP5. In the area of SP6, Oxy will excavate to 3 feet and then will take confirmation sidewall samples and analyze the samples for TPH, BTEX, and Chloride. In the areas of SP7, SP8, and SP9, Oxy will excavate 6 inches in depth. The site will then be backfilled with clean soil. The depth to groundwater in this area is approximately 200 feet.

If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

Oxy and I thank you for your assistance in handling this matter.

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: Ken Swinney <kswinney@bbcinternational.com>
Sent: Tuesday, April 02, 2013 11:03 AM
To: 'Kathy Purvis'
Subject: FW: remediation plans on the Cedar canyon 28-4 and Amax 24 -8`

From: Van Curen, Jennifer [<mailto:jvancure@blm.gov>]
Sent: Monday, March 25, 2013 12:11 PM
To: Chancey Summers; kswinney@bbcinternational.com; Jennifer Gilkey; Brunson
Subject: Re: remediation plans on the Cedar canyon 28-4 and Amax 24 -8`

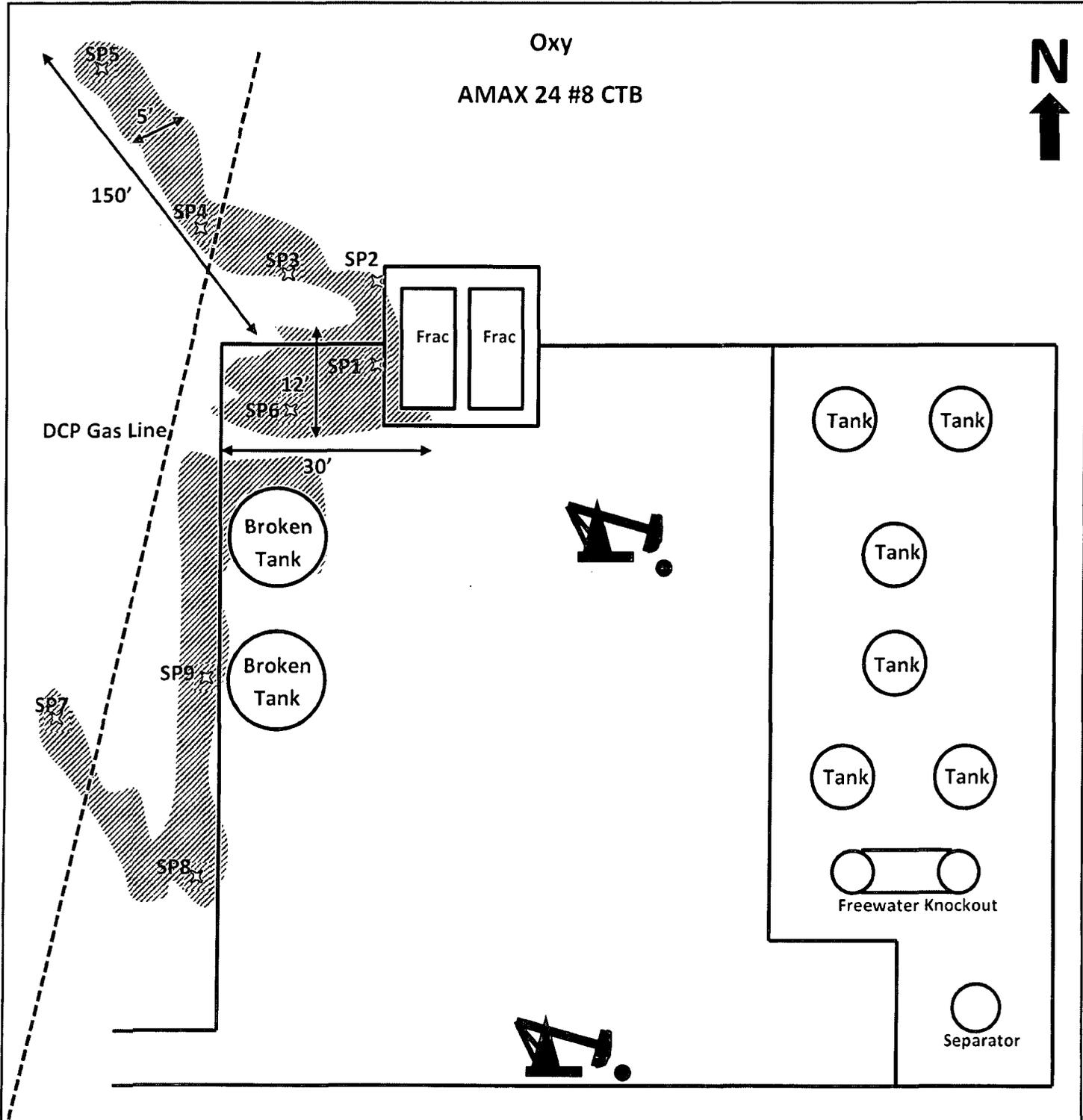
With the Amex plan, these are the minimal depths. There will need to be bottom and side samples for closure. I would think that the depths might need to be a foot on each area except the 7-9 which my thoughts are a foot. But if you get good results from the followup samples, we can back fill. It will be monitored that there are higher results at a lower depth from a past event, but if the OCD is not concerned with the lower depths, it is not a problem with the surface unless it prevents vegetation growth. If you have any questions please let me know.

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

On Mon, Mar 11, 2013 at 1:31 PM, Van Curen, Jennifer <jvancure@blm.gov> wrote:
This is the first that I have heard of the Amax 24-8 spill. I will need to review it. The Cedar Canyon I visited. This site also has some salt impacted soils on the north and south of the old pit area. I would also like to see this area addressed simultaneously. The berm along that edge will need to be removed due to be heavily salt impacted. Can you get back to me on this please? Thanks

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

Oxy
 AMAX 24 #8 CTB



Section 24, T23S, R31E
 Eddy County, NM
 N 32.28895 W 103.73888

*Attachment:
 Remediation
 Packet*

BBC International, Inc.	
Oxy AMAX 24 #8 CTB	
Date: 02/08/12	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2012

Laboratory Analytical Results Summary
Amax 24 #8 CTB

		Sample	SP1 @ Surface	SP1 @ 2 ft	SP1 @ 3 ft	SP2 @ Surface	SP2 @ 2 ft	SP3 @ Surface	SP3 @ 2 ft	SP3 @ 5 ft	SP3 @ 8 ft	SP3 @ 9 ft	SP3 @ 10 ft
Analyte	Method	Date	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/4/12	4/6/12
			mg/Kg	mg/Kg	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	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	0.793	<0.050	0.175	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	1.23	<0.050	1.27	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	5.05	<0.150	5.48	<0.150	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		864	128	1280	48.0	6960	<16.0	880	2760	160	128	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	98.4	<10.0	367	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		59.5	195	123	159	<10.0	16000	38.5	140	<10.0	<10.0	<10.0

		Sample	SP4 @ Surface	SP4 @ 2 ft	SP4 @ 5 ft	SP4 @ 7 ft	SP5 @ Surface	SP5 @ 2 ft	SP5 @ 4 ft	SP5 @ 6 ft	SP6 @ Surface	SP6 @ 2 ft	SP6 @ 5 ft	SP6 @ 8 ft	SP6 @ 10 ft
Analyte	Method	Date	4/6/12	4/6/12	4/6/12	4/6/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/6/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	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	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.272	<0.050	<0.050	<0.050	0.212	<0.050	<0.050	<0.050	0.589	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.78	<0.050	<0.050	<0.050	1.56	<0.050	<0.050	<0.050	2.14	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		7.24	<0.150	<0.150	<0.150	6.91	<0.150	<0.150	<0.150	8.52	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		<16.0	<16.0	32.0	128.0	<16.0	16.0	32.0	80.0	1760	1640	1870	2800	80.0
GRO	TPH 8015M		380	<10	<10	<10	473	<10.0	<10.0	<10.0	480	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		15500	35.7	24.8	<10	18800	<10.0	<10.0	<10.0	13600	37.5	<10.0	23.2	<10.0

<i>2nd sampling event</i>		Sample	SP7 @ Surface	SP7 @ 1'	SP7 @ 3'	SP8 @ Surface	SP8 @ 1'	SP8 @ 3'	SP9 @ Surface	SP9 @ 1'	SP9 @ 3'
Analyte	Method	Date	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12	4/9/12
			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	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	0.085	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.447	<0.150	<0.150	0.571	<0.150	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		32	<16.0	48	16.0	<16.0	32	16	<16.0	48
GRO	TPH 8015M		62.5	<10.0	<10.0	76.6	<10.0	<10.0	<100	<10.0	<10.0
DRO	TPH 8015M		7890	171	76.1	8000	135	161	4690	91.5	22.4

<i>Confirmation Chloride Sampling</i>		Sample	SP1 @ 4'	SP1 @ 5'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	9/10/12	9/10/12	9/10/12	9/10/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	>16.0



Groundwater Plot

Oxy AMAX 24 #8 CTB

County
Eddy

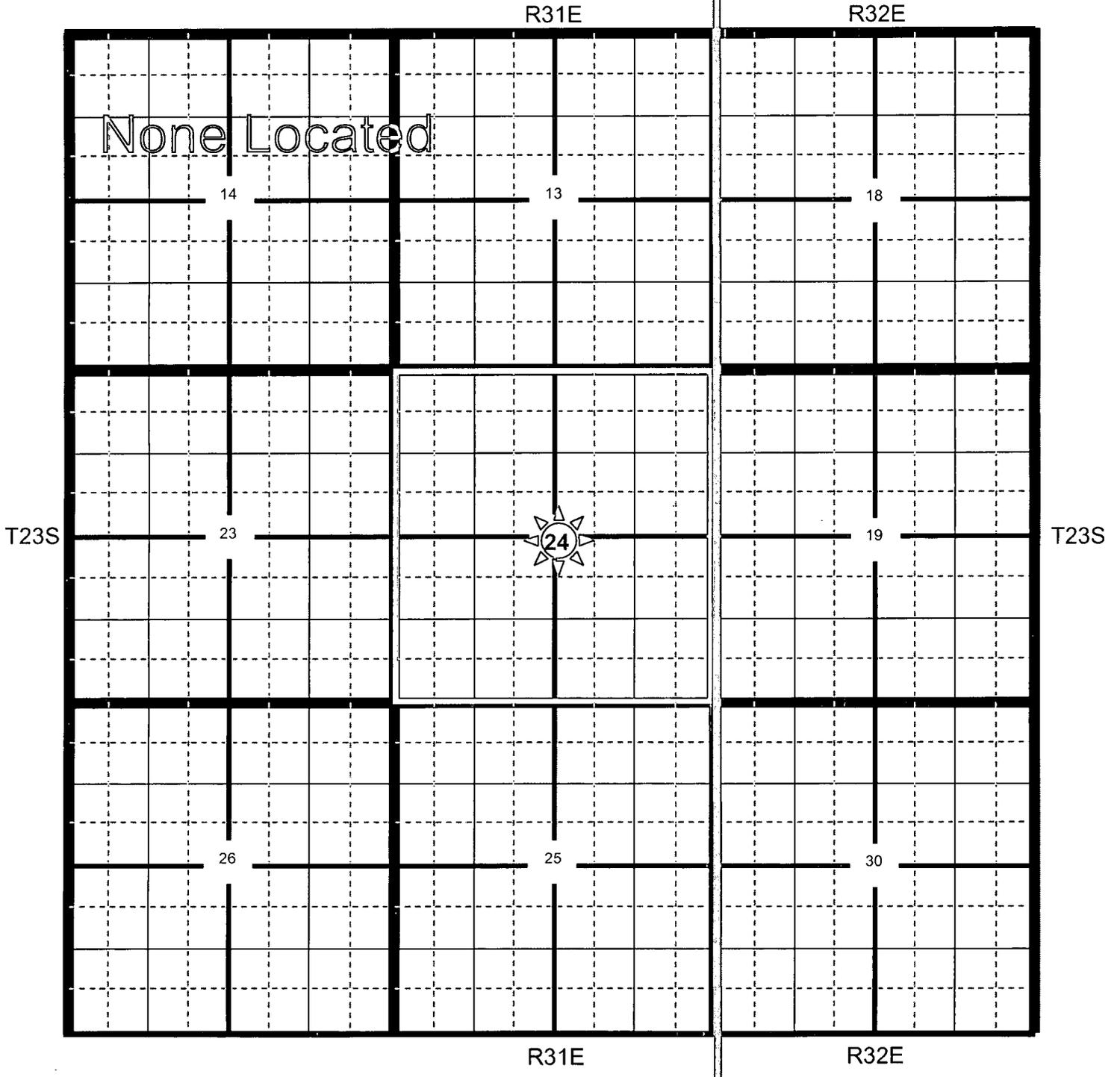
Unit Letter

Section
24

Township
23S

Range
31E

Trend Map 200'



★ Location

○ OCD

○ USGS

○ SEO

○ All Databases



Section Quarters

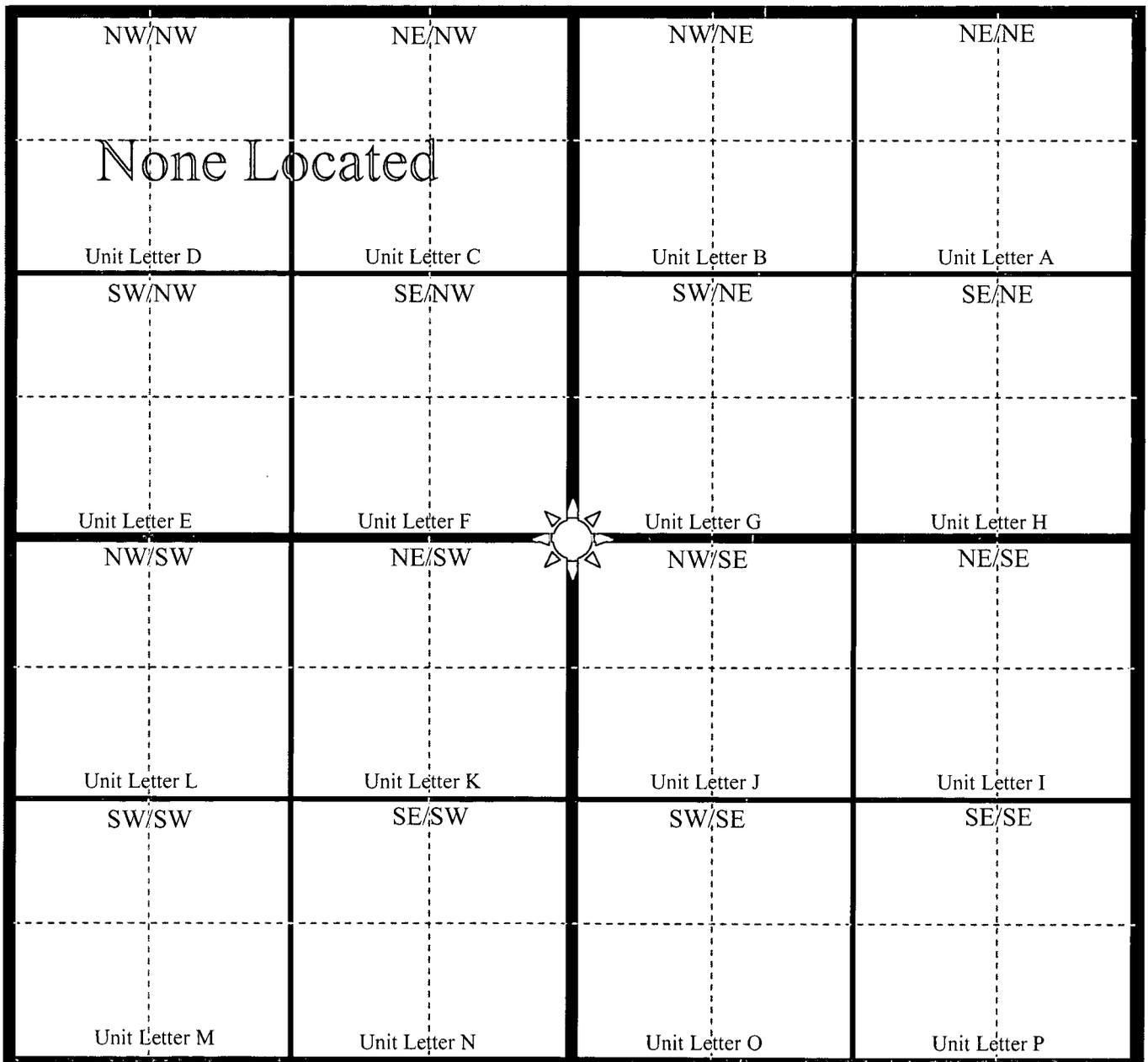
Oxy AMAX 24 #8 CTB

<i>County</i> Eddy	<i>Unit Letter</i>	<i>Section</i> 24	<i>Township</i> 23S	<i>Range</i> 31E
-----------------------	--------------------	----------------------	------------------------	---------------------

Trend Map 200'

1

2



3

4

Location
 OCD
 USGS
 SEO
 All Databases

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Road; Hobbs, NM 88240	Telephone No.	575-397-8216
Facility Name	AMAX 24 #8 CTB	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		Lease No.	

LOCATION OF RELEASE

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

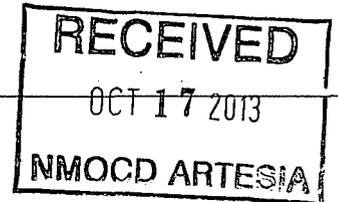
Latitude 32.28895

Longitude 103.73888

NATURE OF RELEASE

Type of Release	Oil & Produced water	Volume of Release	30 bbls	Volume Recovered	0 bbls
Source of Release	End Cap Leak on rental Frac Tank	Date and Hour of Occurrence	01/24/2012 @ 9:35 a.m.	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?			
By Whom?	Chancey Summers	Mike Bratcher-OCD, James Amos- BLM			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date and Hour 02/16/2012 @ 11:33 a.m.			
		If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*



Describe Cause of Problem and Remedial Action Taken.*

A failure of the end cap on a frac tank caused 30 bbls of oil and produced water to leak. The end cap was replaced.

Describe Area Affected and Cleanup Action Taken.*

Remediate to NMOCD guidelines.

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:	Chancey Summers	Approved by District Supervisor:	
Title:	HES Specialist	Approval Date:	Expiration Date:
E-mail Address:	chancey_summers@oxy.com	Conditions of Approval:	
Date:	3-22-12	Attached <input type="checkbox"/>	
	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary