

Closure Report

Site Description

Site Name:	Dry Lake 28 State #1
Company:	Oxy Permian Ltd.
Legal Description:	U/L C, Section 28, T21S, R35E
County:	Lea County, NM
GPS Coordinates:	N 32.45490° W 103.37436°

Release Data

Date of Release:	08/19/2011
Type of Release:	Oil and Produced water
Source of Release:	Tank integrity
Volume of Release:	70 bbls oil and 80 bbls water
Volume Recovered:	30 bbls oil and 50 bbls water

Remediation Specifications

Remediation Parameters:	Excavate 6-8 feet in the area of SP1 and take a confirmation bottom sample. Excavate 2-3 feet in the area of SP2. Excavate 3-5 feet in the area of SP4. Excavate 6-8 feet in the area of SP3 and SP5. Backfill all excavated areas with clean soil.	
Remediation Activities:	08/06/2014 to 08/19/2014	
Plan Sent to OCD:	09/23/2012	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	09/24/2012	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	08/24/2011
Final C-141	Signed 08/21/2014
Site Diagram	September 2011
Groundwater Plot	<50'
TOPO Maps	n/a
Lab Summary	09/06/2011, 01/06/2012, 01/16/2012, and 08/06/2014
Lab Analysis	09/06/2011, 01/06/2012, 01/16/2012, and 08/06/2014
Correspondence	Request and approval of remediation plan via email

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

08/26/2014

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		XX	Initial Report	Final Report
Name of Company	Oxy Permian LTD.	Contact	Dusty Wilson	
Address	1017 W. Stanolind Rd	Telephone No.	(575) 397-8247	
Facility Name	Dry Lake 28 # 1	Facility Type	Production	
Surface Owner	State	Mineral Owner	State	Lease No. 30-025-37551

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	28	21s	35e					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Oil and produce water	Volume of Release 70 bo and 80 bw	Volume Recovered 30 bo and 50 bw
Source of Release Tank integrity	Date and Hour of Occurrence 08/19/2011	Date and Hour of Discovery 08/19/2011
Was Immediate Notice Given? XX Yes No Not Required	If YES, To Whom? Geoff Leking(NMOCD) via email	
By Whom? CJ Summers	Date and Hour 08/19/2011	
Was a Watercourse Reached? <input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse. n/a	

If a Watercourse was Impacted, Describe Fully.*

N/A

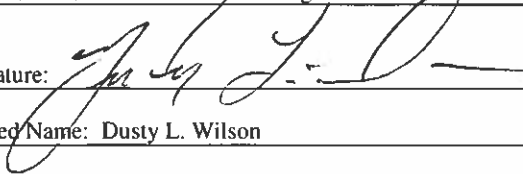
Describe Cause of Problem and Remedial Action Taken.*

Hole developed in bottom area of tank due to possible tank integrity issue from previous lightning strike. A Vac Truck was dispatched to the area and recovered all free standing fluids. Remediation efforts continue. Will remediate to NMOCD guidelines.

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: Dusty L. Wilson		Approved by District Supervisor:	
Title: HES Specialist		Approval Date:	Expiration Date:
E-mail Address: dusty_wilson@oxy.com		Conditions of Approval:	
Date: 08/24/2011 Phone: (575) 397-8210		Attached <input type="checkbox"/>	

- 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 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Dry Lake 28 State #1	Facility Type	Production
Surface Owner	State	Mineral Owner	API No. 30-025-37551

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	28	21S	35E	660	North	1980	West	Lea County, NM

Latitude N 32.45492° Longitude W 103.37438°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	70 bbls oil, 80 bbls produced water	Volume Recovered	30 bbls oil, 50 bbls produced water
Source of Release	Tank integrity	Date and Hour of Occurrence	08/19/2011	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking, NMOCD		
By Whom?	CJ Summers	Date and Hour	08/19/2011		
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.*

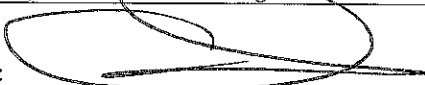
Describe Cause of Problem and Remedial Action Taken.*

Hole developed in bottom area of tank due to possible tank integrity issue from previous lightning strike. A Vac Truck was dispatched to the area and recovered all free standing fluids.

Describe Area Affected and Cleanup Action Taken.*

The area affected is approximately 40' x 20' on location just East of the tanks. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 09/24/2012.

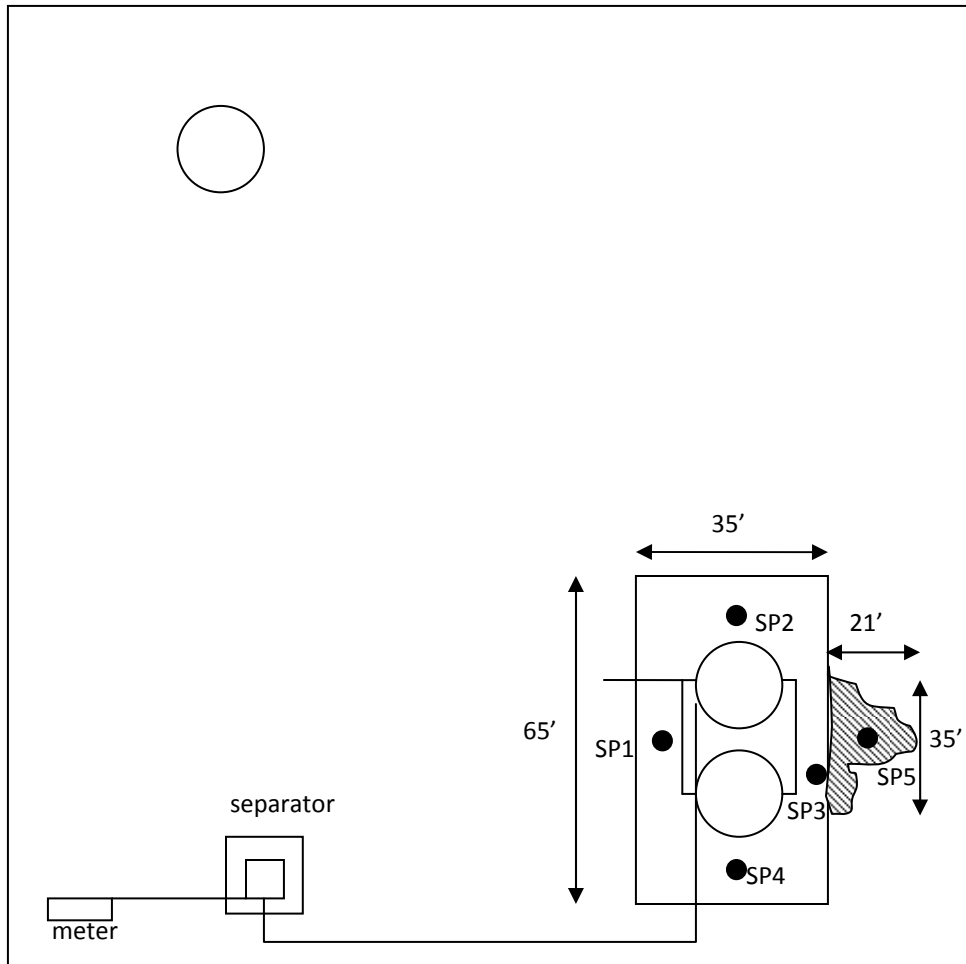
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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 Environmental Specialist:	
Title: HES Advisor	Approval Date:	Expiration Date:
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>8-21-14</u> Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary



Oxy
Dry Lake 28 State #1



UL/Qtr Sec C, Sec 28, T 21S, R 35E
660' FNL, 1980' FWL

Lea County, NM

BBC International, Inc.	
Oxy	
Dry Lake 28 State #1	
Date: 09/13/11	DRWG by: KAP
Disk:	Sheet 1 of 1
Scale: Not to Scale	File Name: DRWG



Groundwater Plot

Oxy Dry Lake 28 State #1

County
Lea

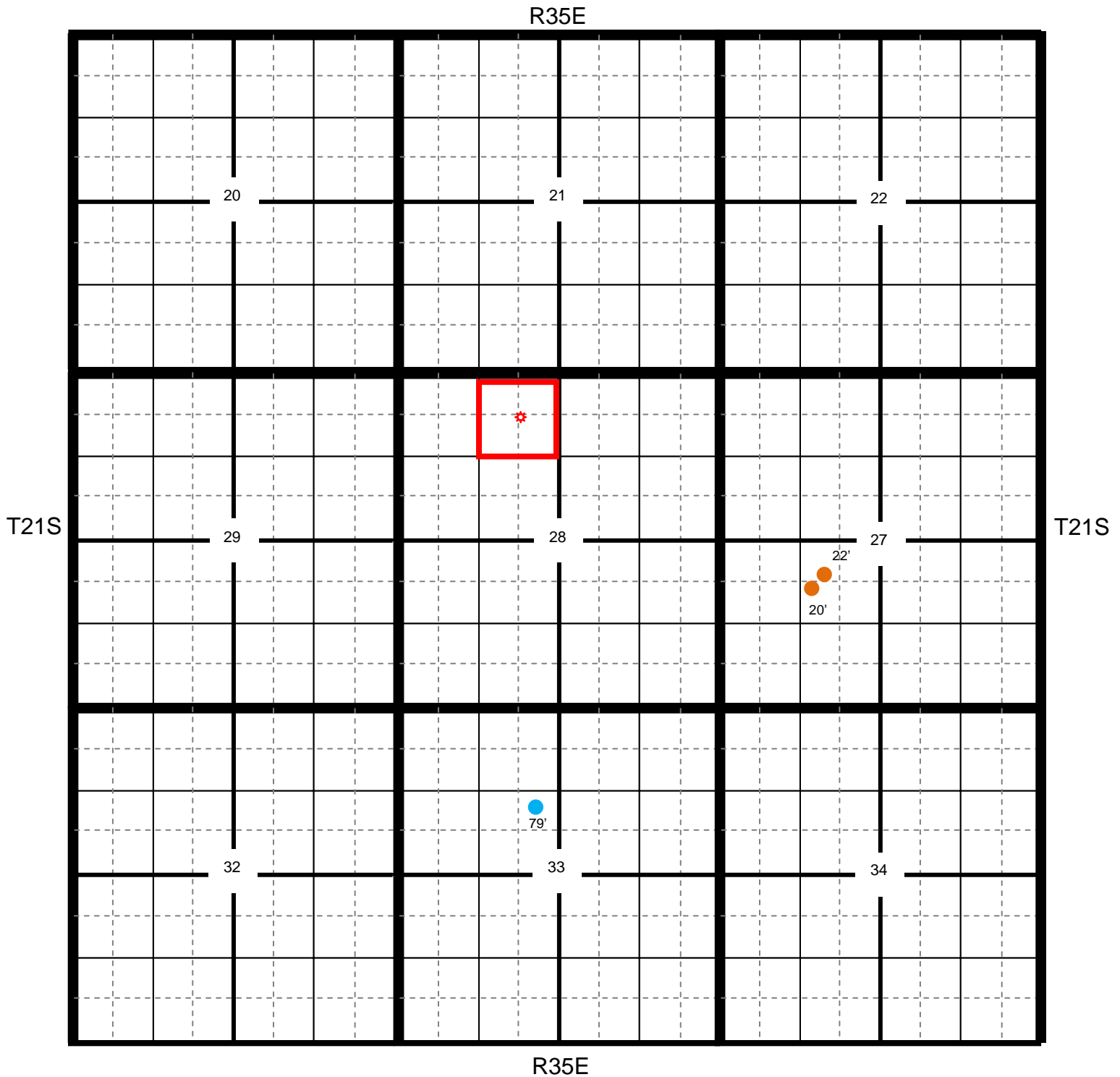
Unit Letter
C

Section
28

Township
21S

Range
35E

Trend Map <50'



Location

OCD

USGS

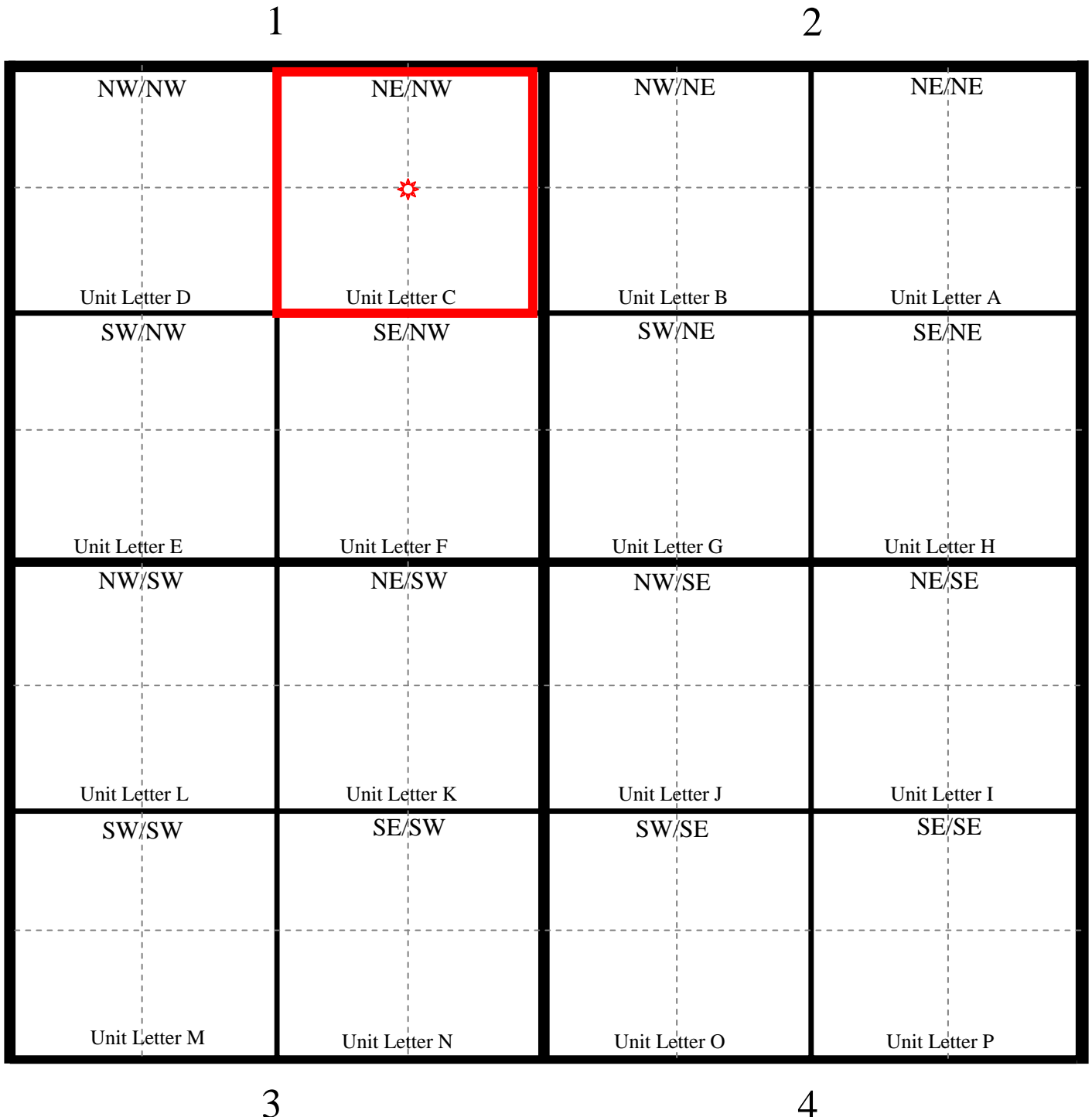
SEO

All Databases

Oxy Dry Lake 28 State #1

County	Unit Letter	Section	Township	Range
Lea	C	28	21S	35E

Trend Map <50'



Laboratory Analytical Results Summary
Oxy,

		Sample	SP1 @ 1.5'	SP2 @ 1'	SP3 @ 1.5'	SP4 @ 1'	SP5 @ 1.5'
Analyte	Method	Date	9/6/11	9/6/11	9/6/11	9/6/11	9/6/11
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.47	1.15	<1.00	1.01	1.8
Toluene	BTEX 8021B		16.2	15.4	7.25	10.7	17.5
Ethylbenzene	BTEX 8021B		15.1	19.6	9.5	13.3	18.1
Total Xylenes	BTEX 8021B		101	106	49.5	79.1	93.1
Chloride	SM4500Cl-B		3000	544	2480	2920	1380
GRO	TPH 8015M		1910	3510	1520	2740	3980
DRO	TPH 8015M		7730	10300	8360	11400	17300

		Sample	SP1 A @ 1 ft	SP1 A @ 3 ft	SP1 A @ 6 ft	SP1 A @ 8 ft	SP 2 @ 1 ft	SP 2 @ 3 ft	SP 2 @ 5 ft	SP 2 @ 6 ft	SP 4 @ 1 ft	SP 4 @ 3 ft	SP 4 @ 6 ft	SP 4 @ 8 ft
Analyte	Method	Date	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12	1/5/12	1/5/12	1/5/12	1/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.37	5.86	<0.050	<0.050	2.01	<0.050	<0.050	<0.050	1.03	0.092	<0.050	<0.050
Toluene	BTEX 8021B		4.19	50.5	0.349	0.841	15.4	0.096	<0.050	<0.050	4.93	1.27	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.58	28	0.227	0.965	6.93	0.145	<0.050	<0.050	3.68	1.61	<0.050	<0.050
Total Xylenes	BTEX 8021B		24.9	149	1.23	5.01	46.8	0.419	<0.150	<0.150	22.6	7.05	<0.150	0.189
Chloride	SM4500Cl-B		2120	656	160	144	1280	48	16	32	1460	96	32	80
GRO	TPH 8015M		1060	6720	<10.0	213	1980	<10.0	<10.0	<10	1480	203	<10.0	<10.0
DRO	TPH 8015M		3450	11900	139	1480	3260	133	23	<10	3650	1040	20.9	224

		Sample	SP 4 @ 9 ft	SP 5 @ 1 ft	SP 5 @ 3 ft	SP 5 @ 6 ft	SP 5 @ 8 ft	SP 5 @ 9 ft
Analyte	Method	Date	1/5/12	1/5/12	1/5/12	1/5/12	1/6/12	1/6/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	3.42	0.194	0.128	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	28.3	2.36	1.33	0.057	<0.050
Ethylbenzene	BTEX 8021B		<0.050	10.9	2.41	1.51	0.062	<0.050
Total Xylenes	BTEX 8021B		<0.150	102	13.9	7.9	0.359	<0.150
Chloride	SM4500Cl-B		32	560	240	128	64	32
GRO	TPH 8015M		<10.0	3380	328	263	<10.0	<10.0
DRO	TPH 8015M		<10.0	6570	1750	1370	91.4	<10.0

Confirmation		Sample	SP1A @ 9'
Analyte	Method	Date	1/16/12
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Chloride	SM4500Cl-B		64
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		20.8

Confirmation		Sample	SP1A @ 10'
Analyte	Method	Date	1/16/12
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Chloride	SM4500Cl-B		160
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		73.5

Laboratory Analytical Results Summary
Dry Lake 28 State #1

		Sample	Bottom 1
Analyte	Method	Date	8/6/14
			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
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		11.1

September 16, 2011

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: DRY LAKE "28" STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 09/12/11 9:50.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:	09/12/2011	Sampling Date:	09/06/2011
Reported:	09/16/2011	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 1 @ 1.5 FT (H101927-01)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.47	1.00	09/13/2011	ND	2.31	116	2.00	1.51	
Toluene*	16.2	1.00	09/13/2011	ND	2.14	107	2.00	5.71	
Ethylbenzene*	15.1	1.00	09/13/2011	ND	2.11	105	2.00	6.12	
Total Xylenes*	101	3.00	09/13/2011	ND	6.27	105	6.00	5.62	

Surrogate: 4-Bromofluorobenzene (PIL) 141 % 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	3000	16.0	09/12/2011	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ab						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1910	50.0	09/15/2011	ND	181	90.6	200	0.0855		
DRO >C10-C28	7730	50.0	09/15/2011	ND	184	91.8	200	1.96		

Surrogate: 1-Chlorooctane 182 % 55.5-154

Surrogate: 1-Chlorooctadecane 113 % 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:	09/12/2011	Sampling Date:	09/06/2011
Reported:	09/16/2011	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 2 @ 1 FT (H101927-02)

BTEx 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.15	1.00	09/13/2011	ND	2.31	116	2.00	1.51	
Toluene*	15.4	1.00	09/13/2011	ND	2.14	107	2.00	5.71	
Ethylbenzene*	19.6	1.00	09/13/2011	ND	2.11	105	2.00	6.12	
Total Xylenes*	106	3.00	09/13/2011	ND	6.27	105	6.00	5.62	

Surrogate: 4-Bromofluorobenzene (PIL) 160 % 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	544	16.0	09/12/2011	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ab						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3510	50.0	09/15/2011	ND	181	90.6	200	0.0855		
DRO >C10-C28	10300	50.0	09/15/2011	ND	184	91.8	200	1.96		

Surrogate: 1-Chlorooctane 219 % 55.5-154

Surrogate: 1-Chlorooctadecane 108 % 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:	09/12/2011	Sampling Date:	09/06/2011
Reported:	09/16/2011	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 3 @ 1.5 FT (H101927-03)

BTEx 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/13/2011	ND	2.31	116	2.00	1.51	
Toluene*	7.25	1.00	09/13/2011	ND	2.14	107	2.00	5.71	
Ethylbenzene*	9.50	1.00	09/13/2011	ND	2.11	105	2.00	6.12	
Total Xylenes*	49.5	3.00	09/13/2011	ND	6.27	105	6.00	5.62	

Surrogate: 4-Bromofluorobenzene (PIL) 148 % 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	2480	16.0	09/12/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ab						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1520	50.0	09/15/2011	ND	181	90.6	200	0.0855		
DRO >C10-C28	8360	50.0	09/15/2011	ND	184	91.8	200	1.96		

Surrogate: 1-Chlorooctane 182 % 55.5-154

Surrogate: 1-Chlorooctadecane 108 % 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: 09/12/2011
Reported: 09/16/2011
Project Name: DRY LAKE "28" STATE #1
Project Number: NONE GIVEN
Project Location: WEST EUNICE, NM

Sampling Date: 09/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 1 FT (H101927-04)

BTEx 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.01	1.00	09/13/2011	ND	2.31	116	2.00	1.51	
Toluene*	10.7	1.00	09/13/2011	ND	2.14	107	2.00	5.71	
Ethylbenzene*	13.3	1.00	09/13/2011	ND	2.11	105	2.00	6.12	
Total Xylenes*	79.1	3.00	09/13/2011	ND	6.27	105	6.00	5.62	

Surrogate: 4-Bromofluorobenzene (PIL) 156 % 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	2920	16.0	09/12/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ab						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2740	50.0	09/15/2011	ND	181	90.6	200	0.0855		
DRO >C10-C28	11400	50.0	09/15/2011	ND	184	91.8	200	1.96		

Surrogate: 1-Chlorooctane 238 % 55.5-154

Surrogate: 1-Chlorooctadecane 123 % 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: 09/12/2011
Reported: 09/16/2011
Project Name: DRY LAKE "28" STATE #1
Project Number: NONE GIVEN
Project Location: WEST EUNICE, NM

Sampling Date: 09/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 @ 1.5 FT (H101927-05)

BTEx 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.80	1.00	09/13/2011	ND	2.31	116	2.00	1.51	
Toluene*	17.5	1.00	09/13/2011	ND	2.14	107	2.00	5.71	
Ethylbenzene*	18.1	1.00	09/13/2011	ND	2.11	105	2.00	6.12	
Total Xylenes*	93.1	3.00	09/13/2011	ND	6.27	105	6.00	5.62	

Surrogate: 4-Bromofluorobenzene (PIL) 156 % 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	1380	16.0	09/12/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ab						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3980	50.0	09/15/2011	ND	181	90.6	200	0.0855		
DRO >C10-C28	17300	50.0	09/15/2011	ND	184	91.8	200	1.96		

Surrogate: 1-Chlorooctane 264 % 55.5-154

Surrogate: 1-Chlorooctadecane 109 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-HI	High surrogate recovery was confirmed as a matrix effect by a second analysis.
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

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Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> <p>City: Hobbs</p> <p>State: NM Zip: 88241</p> <p>Phone #: 575-397-6388 Fax #: 575-397-0397</p> <p>Project #: </p> <p>Project Owner: Dry</p> <p>Project Name: Dry Lake "26" State #1</p> <p>Project Location: West Eunice NM</p> <p>Sampler Name: Jordan Woodfin</p> </div> <div style="width: 15%;"> <p>Address: P.O. Box 805</p> <p>Attn: </p> <p>Address: </p> <p>City: </p> <p>State: Zip: </p> <p>Phone #: </p> <p>Fax #: </p> </div> <div style="width: 70%; text-align: center;"> <p>575-397-0397</p> </div> </div>																					
Address: P.O. Box 805				Company:																									
City: Hobbs				Attn:																									
State: NM Zip: 88241				Address:																									
Phone #: 575-397-6388				City:																									
Fax #: 575-397-0397				State: Zip:																									
Project #:				Phone #:																									
Project Owner: Dry				Fax #:																									
Project Name: Dry Lake "26" State #1																													
Project Location: West Eunice NM																													
Sampler Name: Jordan Woodfin																													
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		GIRAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING															
								GROUNDWATER				ACID/BASE:		DATE		TIME													
								WASTEWATER				ICE / COOL																	
								SOIL				OTHER:																	
								OIL																					
								SLUDGE																					
								OTHER:																					
H101927																													
1 SP1 @ 1.5 ft				9		1		X				X		9-10-11		1000													
2 SP2 @ 1 ft				9		1		X				X		"		1041													
3 SP3 @ 1.5 ft				9		1		X				X		"		140													
4 SP4 @ 1 ft				9		1		X				X		"		223													
5 SP5 @ 1.5 ft				9		1		X				X		"		303													

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Relinquished By: <i>Jordan Wood</i>		Date: <i>9-12-11</i>		Received By: <i>K. Jensen</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: <i>2:30</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date: <i>9-12-11</i>		Received By:		REMARKS: <i>EMAIL ALL</i>			
<i>Ken Springer</i>		Time: <i>9:00</i>		<i>Jodi Henson</i>					
Delivered By: (Circle One)									
Sampler - UPS - Bus - Other:		<i>-12</i>		Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: (Initials) <i>CH</i>			
		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No					

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

#26

January 12, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: DRY LAKE "28" STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 01/09/12 8:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/09/2012	Sampling Date:	01/06/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 1 A @ 1 FT (H200033-01)

BTX 8021B			mg/kg					Analyzed By: AP		S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.37	0.050	01/10/2012	ND	1.93	96.5	2.00	2.78		
Toluene*	4.19	0.050	01/10/2012	ND	2.01	101	2.00	2.49		
Ethylbenzene*	1.58	0.050	01/10/2012	ND	2.02	101	2.00	1.98		
Total Xylenes*	24.9	0.150	01/10/2012	ND	6.27	105	6.00	1.76		

Surrogate: 4-Bromofluorobenzene (PIL) 331 % 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	2120	16.0	01/09/2012	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	1060	50.0	01/10/2012	ND	185	92.6	200	3.82		
DRO >C10-C28	3450	50.0	01/10/2012	ND	165	82.5	200	3.34		

Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 126 % 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:	01/09/2012	Sampling Date:	01/06/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 1 A @ 3 FT (H200033-02)

BTX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.86	0.500	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	50.5	0.500	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	28.0	0.500	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	149	1.50	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 195 % 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	656	16.0	01/09/2012	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6720	50.0	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	11900	50.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 113 % 55.5-154

Surrogate: 1-Chlorooctadecane 146 % 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:	01/09/2012	Sampling Date:	01/06/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 1 A @ 6 FT (H200033-03)

BTX 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	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	0.349	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	0.227	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	1.23	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 128 % 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	160	16.0	01/09/2012	ND	400	100	400	14.8	

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	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	139	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 90.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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Analytical Results For:

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

Received:	01/09/2012	Sampling Date:	01/06/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 1 A @ 8 FT (H200033-04)

BTX 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	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	0.841	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	0.965	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	5.01	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 170 % 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	144	16.0	01/09/2012	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	213	10.0	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	1480	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 126 % 55.5-154

Surrogate: 1-Chlorooctadecane 148 % 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:	01/09/2012	Sampling Date:	01/06/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 2 @ 1 FT (H200033-05)

BTEx 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.01	0.050	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	15.4	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	6.93	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	46.8	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 233 % 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	1280	16.0	01/09/2012	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1980	10.0	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	3260	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 133 % 55.5-154

Surrogate: 1-Chlorooctadecane 108 % 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: 01/09/2012
Reported: 01/12/2012
Project Name: DRY LAKE "28" STATE #1
Project Number: NONE GIVEN
Project Location: WEST EUNICE, NM

Sampling Date: 01/06/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3 FT (H200033-06)

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	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	0.096	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	0.145	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	0.419	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 116 % 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	01/09/2012	ND	400	100	400	14.8	

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	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	133	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 106 % 55.5-154

Surrogate: 1-Chlorooctadecane 134 % 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:	01/09/2012	Sampling Date:	01/06/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 2 @ 5 FT (H200033-07)

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	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	<0.050	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	<0.150	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 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	01/09/2012	ND	400	100	400	14.8	

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	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	23.0	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 113 % 55.5-154

Surrogate: 1-Chlorooctadecane 129 % 57.6-158

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

Received:	01/09/2012	Sampling Date:	01/06/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 2 @ 6 FT (H200033-08)

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	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	<0.050	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	<0.150	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

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	32.0	16.0	01/09/2012	ND	400	100	400	14.8		

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	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	<10.0	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 106 % 55.5-154

Surrogate: 1-Chlorooctadecane 121 % 57.6-158

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 Cliff Brunson
 P.O. Box 805
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Received:	01/09/2012	Sampling Date:	01/05/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 4@ 1 FT (H200033-09)

BTX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.03	0.050	01/11/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	4.93	0.050	01/11/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	3.68	0.050	01/11/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	22.6	0.150	01/11/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 358 % 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	1460	16.0	01/09/2012	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1480	10.0	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	3650	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 123 % 55.5-154

Surrogate: 1-Chlorooctadecane 117 % 57.6-158

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Received: 01/09/2012
Reported: 01/12/2012
Project Name: DRY LAKE "28" STATE #1
Project Number: NONE GIVEN
Project Location: WEST EUNICE, NM

Sampling Date: 01/05/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 3 FT (H200033-10)

BTEx 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.092	0.050	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	1.27	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	1.61	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	7.05	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 208 % 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	96.0	16.0	01/09/2012	ND	400	100	400	14.8	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	203	10.0	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	1040	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 118 % 55.5-154

Surrogate: 1-Chlorooctadecane 138 % 57.6-158

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Received:	01/09/2012	Sampling Date:	01/05/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 4 @ 6 FT (H200033-11)

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	01/10/2012	ND	1.93	96.5	2.00	2.78		
Toluene*	<0.050	0.050	01/10/2012	ND	2.01	101	2.00	2.49		
Ethylbenzene*	<0.050	0.050	01/10/2012	ND	2.02	101	2.00	1.98		
Total Xylenes*	<0.150	0.150	01/10/2012	ND	6.27	105	6.00	1.76		

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 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	32.0	16.0	01/09/2012	ND	400	100	400	14.8		

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	01/10/2012	ND	185	92.6	200	3.82		
DRO >C10-C28	20.9	10.0	01/10/2012	ND	165	82.5	200	3.34		

Surrogate: 1-Chlorooctane 107 % 55.5-154

Surrogate: 1-Chlorooctadecane 122 % 57.6-158

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Received:	01/09/2012	Sampling Date:	01/05/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 4@ 8 FT (H200033-12)

BTX 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	01/10/2012	ND	1.93	96.5	2.00	2.78		
Toluene*	<0.050	0.050	01/10/2012	ND	2.01	101	2.00	2.49		
Ethylbenzene*	<0.050	0.050	01/10/2012	ND	2.02	101	2.00	1.98		
Total Xylenes*	0.189	0.150	01/10/2012	ND	6.27	105	6.00	1.76		

Surrogate: 4-Bromofluorobenzene (PIL) 120 % 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	01/09/2012	ND	400	100	400	14.8		

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	01/10/2012	ND	185	92.6	200	3.82		
DRO >C10-C28	224	10.0	01/10/2012	ND	165	82.5	200	3.34		

Surrogate: 1-Chlorooctane 105 % 55.5-154

Surrogate: 1-Chlorooctadecane 137 % 57.6-158

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Fax To: (505) 397-0397

Received:	01/09/2012	Sampling Date:	01/05/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 4@ 9 FT (H200033-13)

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	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	<0.050	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	<0.150	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 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	32.0	16.0	01/09/2012	ND	400	100	400	14.8	

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	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	<10.0	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 109 % 55.5-154

Surrogate: 1-Chlorooctadecane 121 % 57.6-158

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

Received: 01/09/2012
Reported: 01/12/2012
Project Name: DRY LAKE "28" STATE #1
Project Number: NONE GIVEN
Project Location: WEST EUNICE, NM

Sampling Date: 01/05/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5@ 1 FT (H200033-14)

BTX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.42	0.500	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	28.3	0.500	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	10.9	0.500	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	102	1.50	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 173 % 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	560	16.0	01/09/2012	ND	400	100	400	14.8	

TPH 8015M		mg/kg	Analyzed By: MS					S-HI	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3380	50.0	01/11/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	6570	50.0	01/11/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 157 % 55.5-154

Surrogate: 1-Chlorooctadecane 219 % 57.6-158

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Fax To: (505) 397-0397

Received:	01/09/2012	Sampling Date:	01/05/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 5 @ 3 FT (H200033-15)

BTEx 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.194	0.050	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	2.36	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	2.41	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	13.9	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 288 % 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	240	16.0	01/09/2012	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	328	10.0	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	1750	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 106 % 55.5-154

Surrogate: 1-Chlorooctadecane 136 % 57.6-158

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

Received: 01/09/2012
Reported: 01/12/2012
Project Name: DRY LAKE "28" STATE #1
Project Number: NONE GIVEN
Project Location: WEST EUNICE, NM

Sampling Date: 01/05/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5@ 6 FT (H200033-16)

BTEx 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.128	0.050	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	1.33	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	1.51	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	7.90	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 230 % 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	01/09/2012	ND	400	100	400	14.8	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	263	10.0	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	1370	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 119 % 55.5-154

Surrogate: 1-Chlorooctadecane 136 % 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: 01/09/2012
Reported: 01/12/2012
Project Name: DRY LAKE "28" STATE #1
Project Number: NONE GIVEN
Project Location: WEST EUNICE, NM

Sampling Date: 01/06/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 @ 8 FT (H200033-17)

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	01/10/2012	ND	1.93	96.5	2.00	2.78	
Toluene*	0.057	0.050	01/10/2012	ND	2.01	101	2.00	2.49	
Ethylbenzene*	0.062	0.050	01/10/2012	ND	2.02	101	2.00	1.98	
Total Xylenes*	0.359	0.150	01/10/2012	ND	6.27	105	6.00	1.76	

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 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	64.0	16.0	01/09/2012	ND	400	100	400	14.8	

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	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	91.4	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 129 % 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:	01/09/2012	Sampling Date:	01/06/2012
Reported:	01/12/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 5 @ 9 FT (H200033-18)

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	01/10/2012	ND	2.04	102	2.00	3.98	
Toluene*	<0.050	0.050	01/10/2012	ND	2.13	107	2.00	4.40	
Ethylbenzene*	<0.050	0.050	01/10/2012	ND	2.16	108	2.00	4.93	
Total Xylenes*	<0.150	0.150	01/10/2012	ND	6.67	111	6.00	4.71	

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	32.0	16.0	01/09/2012	ND	400	100	400	14.8		

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	01/10/2012	ND	185	92.6	200	3.82	
DRO >C10-C28	<10.0	10.0	01/10/2012	ND	165	82.5	200	3.34	

Surrogate: 1-Chlorooctane 95.7 % 55.5-154

Surrogate: 1-Chlorooctadecane 110 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-HI	High surrogate recovery was confirmed as a matrix effect by a second analysis.
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

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Celey D. Keene, Lab Director/Quality Manager



#26





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

January 23, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: DRY LAKE "28" STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 01/17/12 10:10.

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 "Coley D. Keene".

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:	01/17/2012	Sampling Date:	01/16/2012
Reported:	01/23/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 1A @ 9 FT (H200105-01)

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	01/20/2012	ND	1.99	99.7	2.00	1.84	
Toluene*	<0.050	0.050	01/20/2012	ND	2.14	107	2.00	3.56	
Ethylbenzene*	<0.050	0.050	01/20/2012	ND	2.13	107	2.00	3.95	
Total Xylenes*	<0.150	0.150	01/20/2012	ND	6.64	111	6.00	4.22	

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 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	64.0	16.0	01/18/2012	ND	432	108	400	3.64	

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	01/20/2012	ND	193	96.3	200	9.45	
DRO >C10-C28	20.8	10.0	01/20/2012	ND	179	89.6	200	5.71	

Surrogate: 1-Chlorooctane 78.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 90.1 % 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

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

**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. #:												<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CI-</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH18015m</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>											
Address: P.O. Box 805				Company:																							
City: Hobbs State: NM Zip: 88241				Attn:																							
Phone #: 575-397-6388 Fax #: 575-397-0397				Address: <i>SALE</i>																							
Project #: Project Owner: <i>Oxy</i>				City:																							
Project Name: <i>DRY LAKE 23 STATE #1</i>				State: Zip:																							
Project Location: <i>W. Eunice</i>				Phone #:																							
Sampler Name: <i>Jordan Woodfin</i>				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													
<i>H2ED105</i>		<i>SP1A @ 9A</i>		<i>3</i>		<i>1</i>		<i>X</i>				<i>X</i>		<i>1-16-12 244</i>		<i>X</i>											

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>Jordan Woodfin</i>		Date: <i>1-16-12</i>		Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: <i>5:00</i>		Time: <i>1-17-12</i>		Received By: <i>Jodi Benson</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: <i>[Signature]</i>		Date: <i>1-17-12</i>		Time: <i>1010</i>		CHECKED BY: <i>[Signature]</i>		REMARKS: <i>EMAIL ALL</i>	
Delivered By: (Circle One)		Sample Condition		Cool Intact		Yes No		Yes No	
Sampler - UPS - Bus - Other:		<i>40</i>		<i>40</i>		<i>40</i>		<i>40</i>	

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

#26

January 24, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: DRY LAKE "28" STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 01/17/12 10:10.

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:	01/17/2012	Sampling Date:	01/16/2012
Reported:	01/24/2012	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: SP 1 A @ 10 FT (H200104-01)

BTX 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	01/20/2012	ND	1.99	99.7	2.00	1.84	
Toluene*	<0.050	0.050	01/20/2012	ND	2.14	107	2.00	3.56	
Ethylbenzene*	<0.050	0.050	01/20/2012	ND	2.13	107	2.00	3.95	
Total Xylenes*	<0.150	0.150	01/20/2012	ND	6.64	111	6.00	4.22	

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 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	160	16.0	01/18/2012	ND	432	108	400	3.64	

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	01/20/2012	ND	193	96.3	200	9.45	
DRO >C10-C28	73.5	10.0	01/20/2012	ND	179	89.6	200	5.71	

Surrogate: 1-Chlorooctane 94.7 % 55.5-154

Surrogate: 1-Chlorooctadecane 112 % 57.6-158

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

August 08, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: DRY LAKE "28" STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 08/07/14 16:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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:	08/07/2014	Sampling Date:	08/06/2014
Reported:	08/08/2014	Sampling Type:	Soil
Project Name:	DRY LAKE "28" STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WEST EUNICE, NM		

Sample ID: BOTTOM 1 (H402438-01)

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	08/08/2014	ND	1.90	95.2	2.00	8.19	
Toluene*	<0.050	0.050	08/08/2014	ND	1.94	97.0	2.00	8.24	
Ethylbenzene*	<0.050	0.050	08/08/2014	ND	1.96	98.0	2.00	8.21	
Total Xylenes*	<0.150	0.150	08/08/2014	ND	6.10	102	6.00	7.31	
Total BTEX	<0.300	0.300	08/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

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	08/08/2014	ND	171	85.5	200	8.57	
DRO >C10-C28	11.1	10.0	08/08/2014	ND	180	89.9	200	9.44	

Surrogate: 1-Chlorooctane 85.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.2 % 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

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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

101

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Dry Lake 28 State #1

Project Location: Lea County, NM

Sampler Name: Simon Rendon

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Bottom 1

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

TPH

BTEX

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Relinquished By:

Date: 8/16/14

Time: 5:00pm

Received By:

Date: 8-27-14

Time: 7:55

Relinquished By:

Date: 8/16/14

Time: 5:00pm

Received By:

Date: 8-27-14

Time: 7:55

Relinquished By:

Date: 8/16/14

Time: 5:00pm

Received By:

Date: 8-27-14

Time: 7:55

Relinquished By:

Date: 8/16/14

Time: 5:00pm

Received By:

Date: 8-27-14

Time: 7:55

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition
Cool ☒ Yes ☐ No
Intact ☒ Yes ☐ No

CHECKED BY:

Rush

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

REMARKS:

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

Subject: RE: Oxy - Dry Lake 28 State #1
Date: Monday, September 24, 2012 11:58:03 AM MT
From: Leking, Geoffrey R, EMNRD
To: Cliff P. Brunson

Cliff

I have the meeting as having taken place on 8/23/12. In any case, the OCD concurs with the content of the below email as it corresponds to the notes I have from the meeting for this site. Thank you.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Sunday, September 23, 2012 4:52 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Oxy - Dry Lake 28 State #1

Geoff,

This e-mail is to confirm our discussion on August 21, 2012 concerning the remediation plan for the release that occurred at the Oxy Dry Lake 28 State #1. As agreed, Oxy will excavate 6 to 8 feet in the area covered by SP1 and take a confirmation sample at 8 feet, excavate 2 to 3 feet in the area covered by SP2, excavate 3 to 5 feet in the area covered by SP4, and excavate 6 to 8 feet in the area covered by SP3 and SP5 as depicted on the attached site diagram. The excavation will then be backfilled with clean soil. The depth to groundwater in this area is approximately 50 feet.

I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

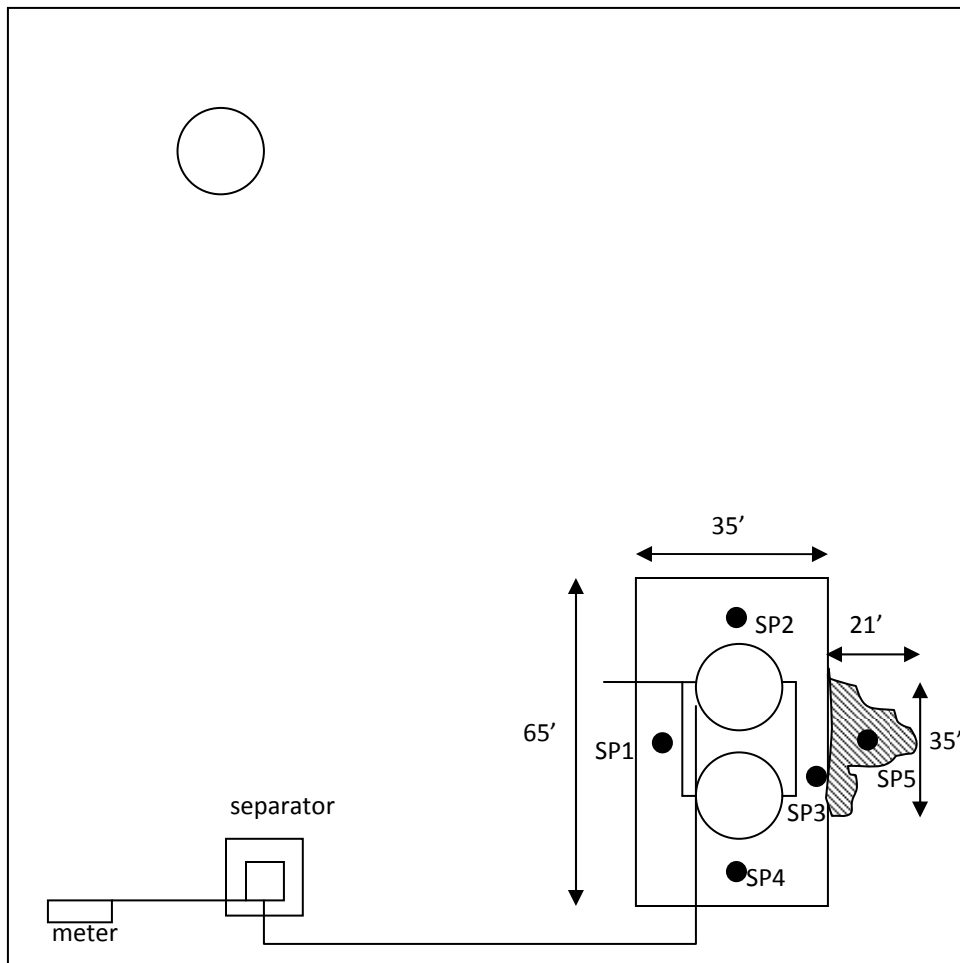
Oxy and I thank you for your assistance in handling this matter.

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



Oxy
Dry Lake 28 State #1



UL/Qtr Sec C, Sec 28, T 21S, R 35E
660' FNL, 1980' FWL

Lea County, NM

BBC International, Inc.	
Oxy	
Dry Lake 28 State #1	
Date: 09/13/11	DRWG by: KAP
Disk:	Sheet 1 of 1
Scale: Not to Scale	File Name: DRWG



Groundwater Plot

Oxy Dry Lake 28 State #1

County
Lea

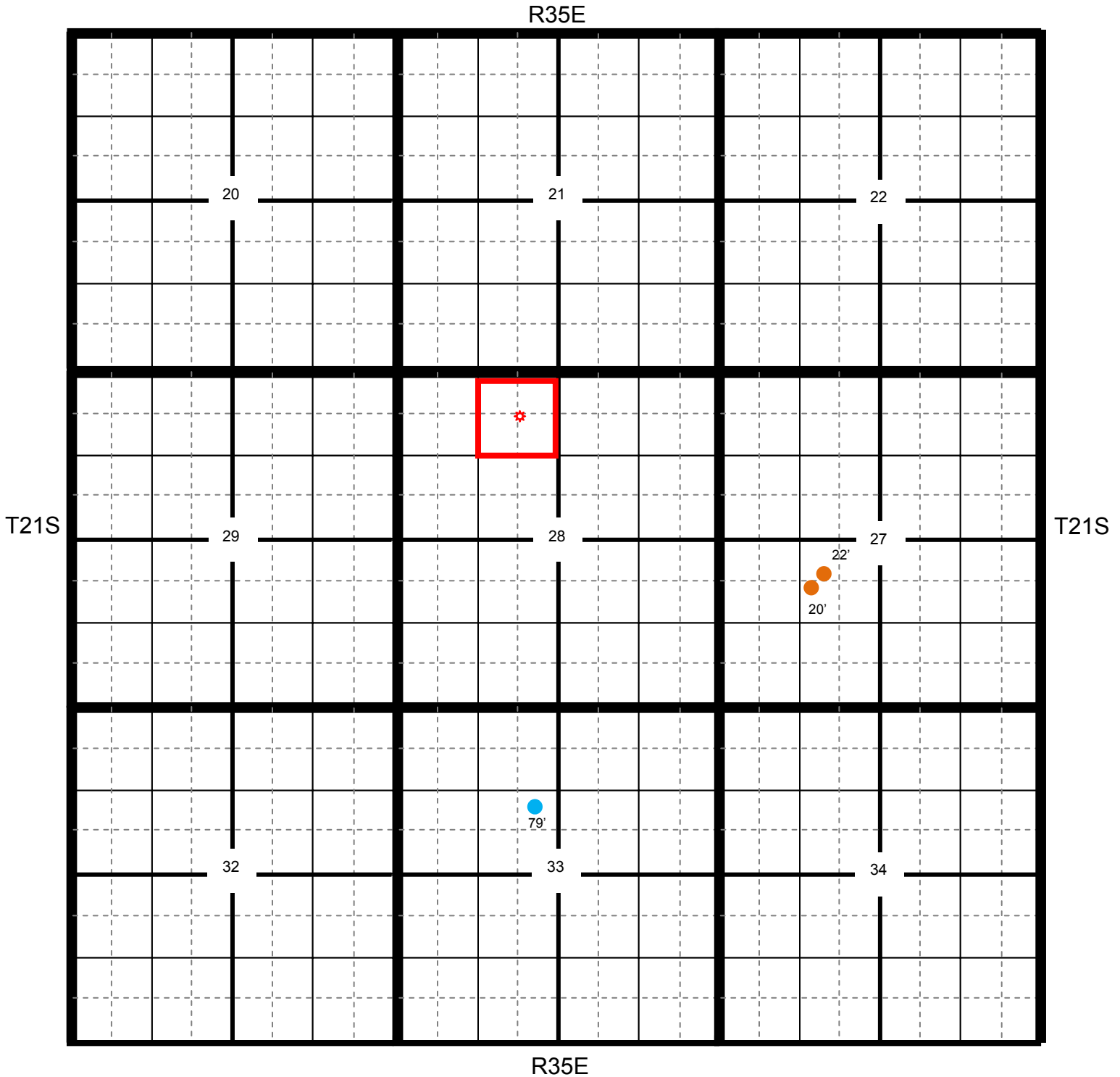
Unit Letter
C

Section
28

Township
21S

Range
35E

Trend Map <50'



⚙ Location

● OCD

● USGS

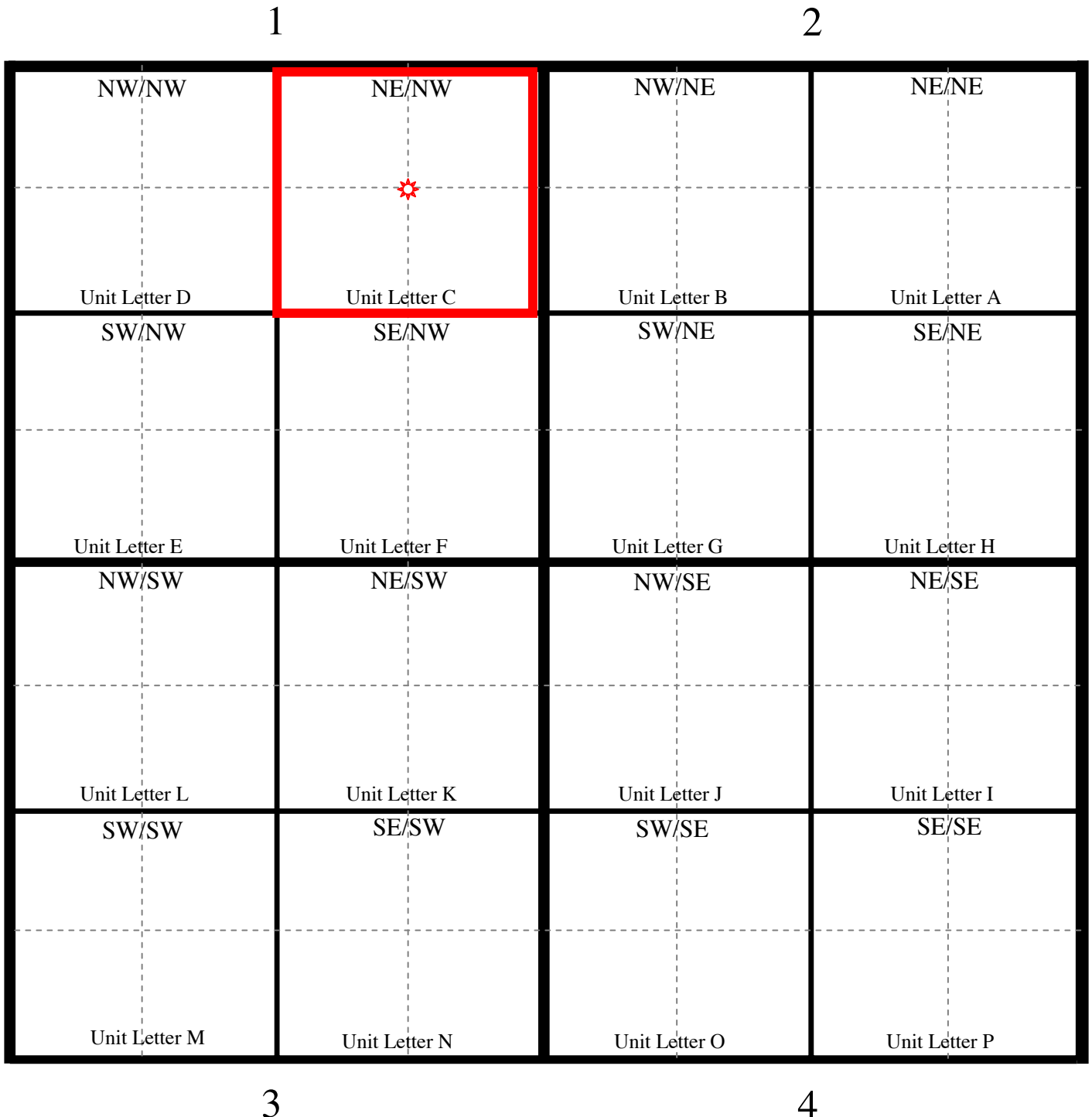
● SEO

● All Databases

Oxy Dry Lake 28 State #1

County	Unit Letter	Section	Township	Range
Lea	C	28	21S	35E

Trend Map <50'



Laboratory Analytical Results Summary
Oxy,

		Sample	SP1 @ 1.5'	SP2 @ 1'	SP3 @ 1.5'	SP4 @ 1'	SP5 @ 1.5'
Analyte	Method	Date	9/6/11	9/6/11	9/6/11	9/6/11	9/6/11
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.47	1.15	<1.00	1.01	1.8
Toluene	BTEX 8021B		16.2	15.4	7.25	10.7	17.5
Ethylbenzene	BTEX 8021B		15.1	19.6	9.5	13.3	18.1
Total Xylenes	BTEX 8021B		101	106	49.5	79.1	93.1
Chloride	SM4500Cl-B		3000	544	2480	2920	1380
GRO	TPH 8015M		1910	3510	1520	2740	3980
DRO	TPH 8015M		7730	10300	8360	11400	17300

		Sample	SP1 A @ 1 ft	SP1 A @ 3 ft	SP1 A @ 6 ft	SP1 A @ 8 ft	SP 2 @ 1 ft	SP 2 @ 3 ft	SP 2 @ 5 ft	SP 2 @ 6 ft	SP 4 @ 1 ft	SP 4 @ 3 ft	SP 4 @ 6 ft	SP 4 @ 8 ft
Analyte	Method	Date	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12	1/5/12	1/5/12	1/5/12	1/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.37	5.86	<0.050	<0.050	2.01	<0.050	<0.050	<0.050	1.03	0.092	<0.050	<0.050
Toluene	BTEX 8021B		4.19	50.5	0.349	0.841	15.4	0.096	<0.050	<0.050	4.93	1.27	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.58	28	0.227	0.965	6.93	0.145	<0.050	<0.050	3.68	1.61	<0.050	<0.050
Total Xylenes	BTEX 8021B		24.9	149	1.23	5.01	46.8	0.419	<0.150	<0.150	22.6	7.05	<0.150	0.189
Chloride	SM4500Cl-B		2120	656	160	144	1280	48	16	32	1460	96	32	80
GRO	TPH 8015M		1060	6720	<10.0	213	1980	<10.0	<10.0	<10	1480	203	<10.0	<10.0
DRO	TPH 8015M		3450	11900	139	1480	3260	133	23	<10	3650	1040	20.9	224

		Sample	SP 4 @ 9 ft	SP 5 @ 1 ft	SP 5 @ 3 ft	SP 5 @ 6 ft	SP 5 @ 8 ft	SP 5 @ 9 ft
Analyte	Method	Date	1/5/12	1/5/12	1/5/12	1/5/12	1/6/12	1/6/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	3.42	0.194	0.128	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	28.3	2.36	1.33	0.057	<0.050
Ethylbenzene	BTEX 8021B		<0.050	10.9	2.41	1.51	0.062	<0.050
Total Xylenes	BTEX 8021B		<0.150	102	13.9	7.9	0.359	<0.150
Chloride	SM4500Cl-B		32	560	240	128	64	32
GRO	TPH 8015M		<10.0	3380	328	263	<10.0	<10.0
DRO	TPH 8015M		<10.0	6570	1750	1370	91.4	<10.0

Confirmation		Sample	SP1A @ 9'
Analyte	Method	Date	1/16/12
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Chloride	SM4500Cl-B		64
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		20.8

Confirmation		Sample	SP1A @ 10'
Analyte	Method	Date	1/16/12
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Chloride	SM4500Cl-B		160
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		73.5