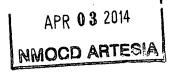
Closure Report



Site Description						
Site Name:	Roo 22 State #13					
Company:	Oxy Permian Ltd.					
Legal Description:	U/L C, Section 22, T17S, R28E					
County:	Eddy County, NM					
GPS Coordinates:	N 32.82497° W 104.16562°					

Release Data					
Date of Release:	12/28/2013				
Type of Release:	Oil and Produced water				
Source of Release:	Valve open, handle off, bull plug missing				
Volume of Release:	7 bbls oil, 33 bbls produced water				
Volume Recovered:	Unknown				

	Remediation Specifications						
Remediation Parameters:	Excavate to a depth of 1 foot across the entire leak site. Then, backfill the site with clean soil.						
Remediation Activities:	03/17/2014 to 03/26/2014						

Plan Sent to OCD:	02/20/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	Verbal	Verbal approval from Mike Bratcher
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

	Supporting Documentation
Initial C-141	Signed 01/09/2014
Final C-141	Signed 03/31/2014
Site Diagram	January 2014
Groundwater Plot	50'
TOPO Maps	January 2014
Lab Summary	01/24/2014
Lab Analysis	01/24/2014
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.

04/01/2014

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

Name of Company

Surface Owner State

Address 150 Facility Name

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 Ompany Oxy Permian Ltd. ☐ Contact Christopher Jones 1502 W. Commerce Dr., Carlsbad, NM ☐ Telephone No. (575) 628-4121 Inne Roo 22 State #13 Facility Type Well Location Vener State ☐ Mineral Owner ☐ API No. 30-015-40535

LOCATION OF RELEASE Unit Letter Section Township Feet from the North/South Line Feet from the East/West Line County Range C 22 17S 28E 787 North 2023 West Eddy County, NM

Latitude <u>N 32.81631</u>	Latitude N 32.81631° Longitude W 104.17°							
NATURE	OF RELEASE							
Type of Release Oil and Produced water	Volume of Release 7 bbls oil, 33 bbls produced water	Volume R	ecovered Unknown					
Source of Release Valve open, handle off, bull plug missing	Date and Hour of Occurrence 12/28/2013	Date and I	lour of Discovery					
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher-NMOCD							
By Whom? Jennifer Gilkey, BBC International	Date and Hour 12/30/2013 @ 1	2:45 pm						
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Wa	itercourse.						
If a Watercourse was Impacted, Describe Fully.*	1							
Describe Cause of Problem and Remedial Action Taken.*								
For an unknown reason, a valve was left open, a handle was off, and a bu produced water to leak onto the ground. All free-standing fluids were rec	Il plug was missing at the well head vovered via vacuum truck and the wel	which caused I head parts w	7 bbls of oil and 33 bbls of ere repaired and/or replaced.					
Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 10' x 20' on location. Remediation with	•	•	•					
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release in public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report defederal, state, or local laws and/or regulations.	otifications and perform corrective ace NMOCD marked as "Final Report" contamination that pose a threat to	ctions for relead does not relie	ases which may endanger we the operator of liability surface water, human health					
Signature:	OIL CONSER	VATION I	DIVISION					
	Approved by District Supervisor:							
Title: HES Specialist	Approval Date:	Expiration D	Pate:					
E-mail Address: Christopher Jones@oxy.com Date: //9/14 Phone: (575) 628-4121	Conditions of Approval:		Attached 🗌					

^{*} Attach Additional Sheets If Necessary

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

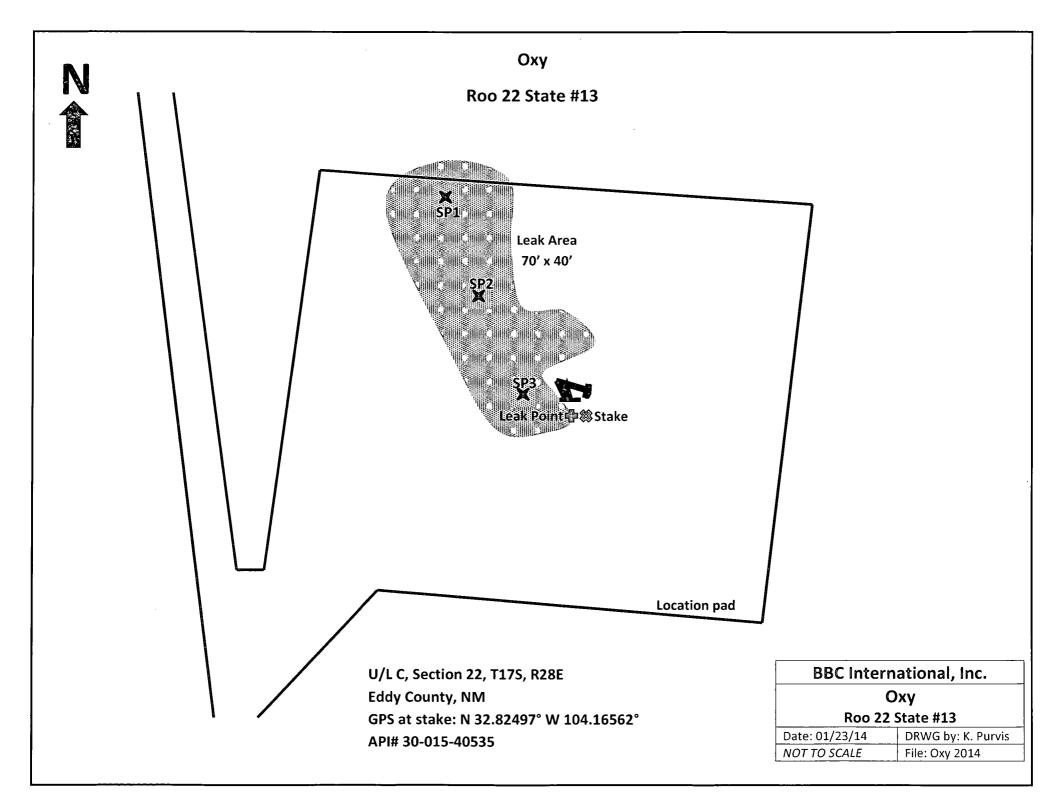
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action **OPERATOR** ☐ Initial Report Final Report Name of Company Contact Christopher Jones Oxy Permian Ltd. (575) 628-4121 1502 W. Commerce Dr., Carlsbad, NM Telephone No. Address Roo 22 State #13 Facility Name Facility Type Well Location Mineral Owner API No. 30-015-40535 Surface Owner State LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County C 787 22 17S 28E North 2023 West Eddy County, NM Latitude N 32.81631° Longitude W 104.17° NATURE OF RELEASE Type of Release Oil and Produced water Volume of Release 7 bbls oil. Volume Recovered Unknown 33 bbls produced water Source of Release Valve open, handle off, bull plug missing Date and Hour of Occurrence Date and Hour of Discovery 12/28/2013 If YES, To Whom? Was Immediate Notice Given? Mike Bratcher-NMOCD Jennifer Gilkey, BBC International By Whom? Date and Hour 12/30/2013 @ 12:45 pm Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* For an unknown reason, a valve was left open, a handle was off, and a bull plug was missing at the well head which caused 7 bbls of oil and 33 bbls of produced water to leak onto the ground. All free-standing fluids were recovered via vacuum truck and the well head parts were repaired and/or replaced. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 10' x 20' on location. Remediation was completed in accordance with a remediation plan verbally approved by Mike Bratcher of NMOCD. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Name: Christopher Title: HES Specialist Approval Date: Expiration Date: Christopher Jones@oxy.com Conditions of Approval: Attached [

Phone:

(575) 628-4121

^{*} Attach Additional Sheets If Necessary





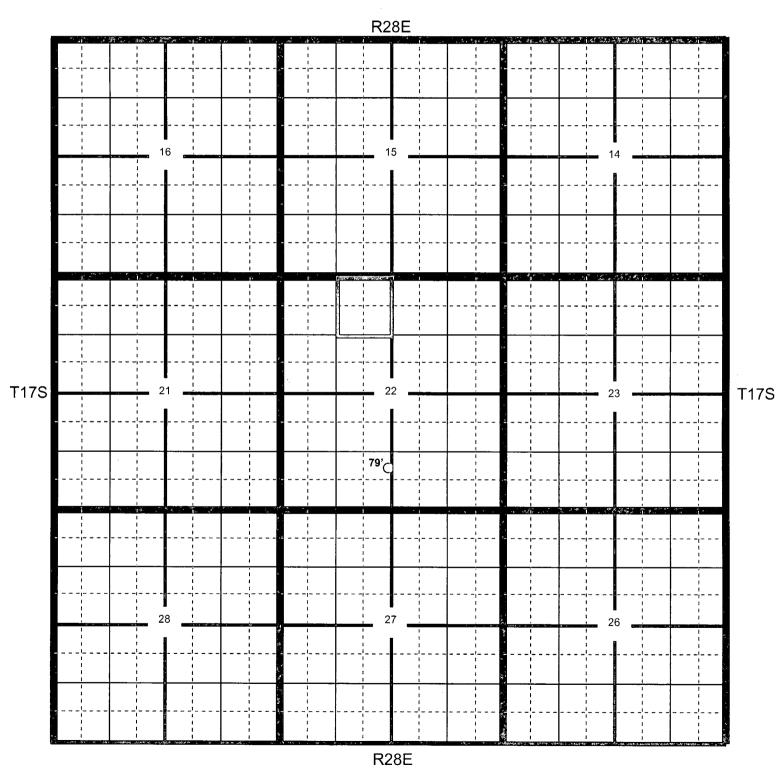
Groundwater Plot

Oxy Roo 22 State #13

County Eddy *Unit Letter* C Section 22

Township 17S Range 28E

Trend Map 50'



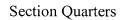
⇔ Location

o OCD

OUSGS

○ SEO

All Databases





Oxy Roo 22 State #13

CountyUnit LetterSectionTownshipRangeEddyC2217S28E

Trend Map 50'

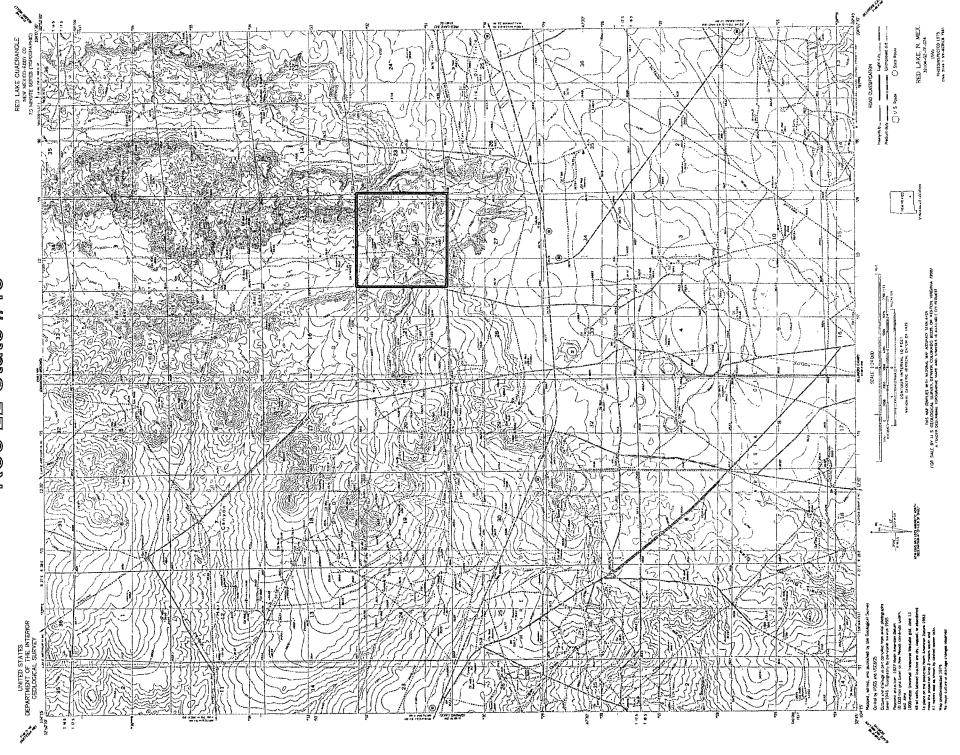
1 2

		·	<u></u>
NW/NW	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SWYNE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NWYSE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SWYSW	SE/SW	SW/SE	SE¦SE
Unit I.etter M	Unit Letter N	Unit Letter O	Unit Letter P

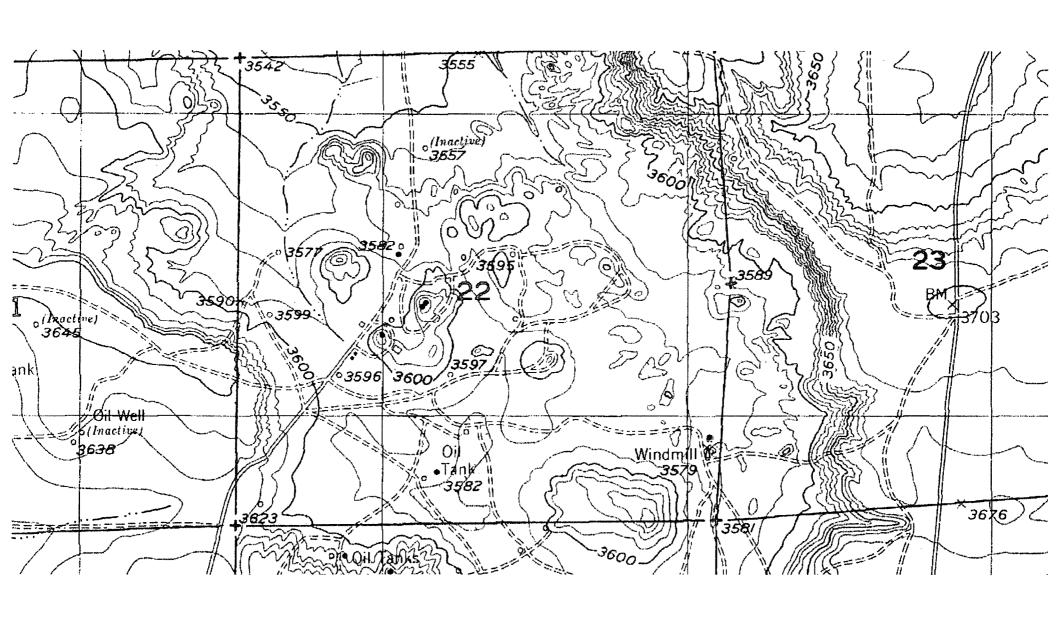
3

 ♣ Location
 ♠ OCD
 ♠ USGS
 ♠ SEO
 ♠ All Databases

Roo 22 State #13



Oxy
Roo 22 State #13



Laboratory Analytical Results Summary Roo 22 State #13

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	1/24/14	1/24/14	1/24/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		1280	608	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	1/24/14	1/24/14	1/24/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	-	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	< 0.300	<0.300
Chloride	SM4500CI-B	Ì	544	160	64
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		68.6	<10.0	<10.0

	i	Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	1/24/14	1/24/14	1/24/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	< 0.300	<0.300
Chloride	SM4500CI-B		384	128	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0



January 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: ROO 22 STATE 13

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celeg & Keine

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



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

Fax To: (575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

ROO 22 STATE 13

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 1 @ 1' (H400250-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	< 0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	< 0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6			····			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	84.9 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.69	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keene



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

Fax To:

(575) 397-0397

Received:

01/27/2014

Reported:

01/31/2014

Project Name: Project Number: ROO 22 STATE 13 NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

01/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: SP 1 @ 2' (H400250-02)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	< 0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	102 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	105 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kure



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

Fax To:

(575) 397-0397

Received: Reported: 01/27/2014

01/31/2014

Project Name: Project Number: ROO 22 STATE 13

Project Location:

NONE GIVEN LOCO HILLS, NM Sampling Date:

01/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: SP 1 @ 3' (H400250-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2,00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 89.4-12	6			*			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/30/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	72.6	% 65.2-14	o						
Surrogate: 1-Chlorooctadecane	78.5	% 63.6-15	4						

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*=Accredited Analyte

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Celey D. Keine



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

Fax To:

(575) 397-0397

Received:

01/27/2014

01/31/2014

Reported: Project Name:

ROO 22 STATE 13

Project Number: Project Location: NONE GIVEN LOCO HILLS, NM Sampling Date:

01/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: SP 2 @ 1' (H400250-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	< 0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	6 89.4-12	6					,	
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	68.6	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	98.9 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1049	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Fax To:

(575) 397-0397

Received:

01/27/2014

Reported:

01/31/2014

Project Name: Project Number: ROO 22 STATE 13 NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

mpling Date:

01/24/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Kathy Perez

Sample ID: SP 2 @ 2' (H400250-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND	•				
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	0	•		-			
Surrogate: 1-Chlorooctadecane	101 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keene



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

Fax To: (575) 397-0397

Received:

01/27/2014

Reported:

01/31/2014

Project Name: Project Number: ROO 22 STATE 13 NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

01/24/2014

Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: SP 2 @ 3' (H400250-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIC	110 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/30/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	72.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	82.7	% 63.6-15	4						

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Celey & Keine



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

Fax To: (575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

ROO 22 STATE 13

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 3 @ 1' (H400250-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS			-		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2,60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.6	% 63.6-15	4						

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Celey D. Keine



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

Fax To:

(575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

ROO 22 STATE 13

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 3 @ 2' (H400250-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
,Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIC	110 %	% 89.4-12	6				· · · · · · · · · · · · · · · · · · ·		
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	94.1	% 65.2-14	0				-		
Surrogate: 1-Chlorooctadecane	96.3	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

ROO 22 STATE 13

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 3 @ 3' (H400250-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6		-				
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Anałyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	67.3	% 65.2-14	0	·····			·		
Surrogate: 1-Chlorooctadecane	68.0	% 63.6-15	4						

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Celey & Kune



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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Celeg to Kreene

E.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

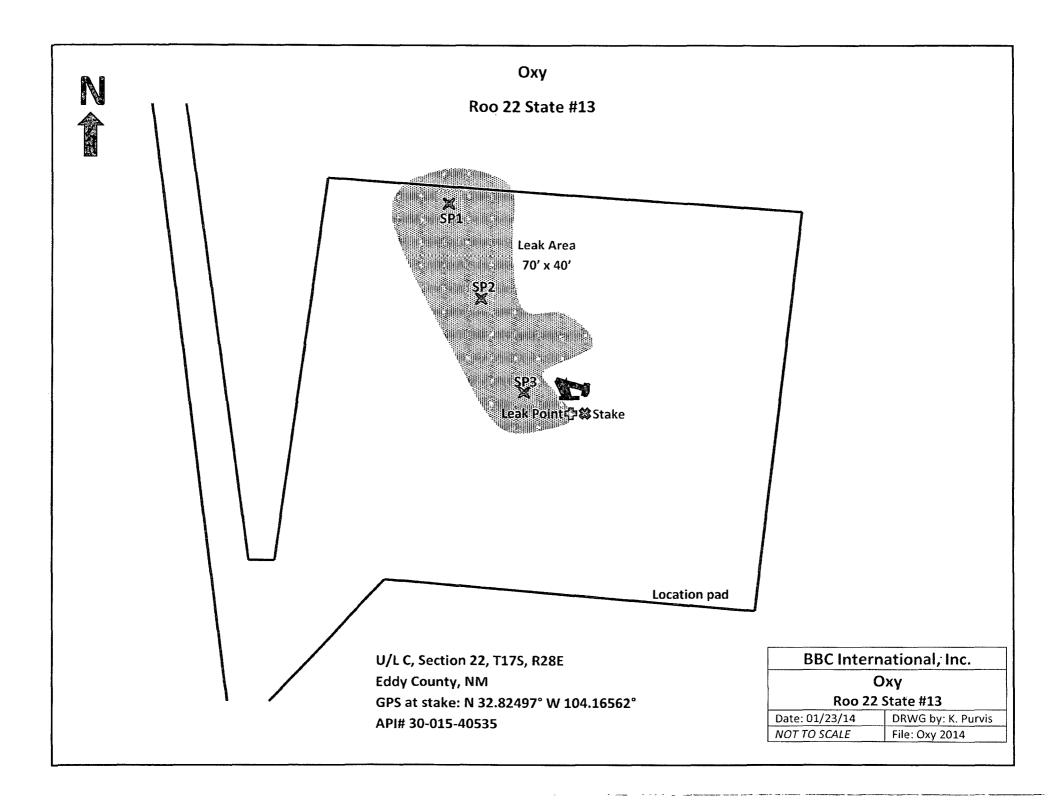
Company Name: BBC International, Inc.	BILL TO		ANALYSIS RE	EQUEST
Project Manager: Cliff Brunson	P.O. #:			
Address: P.O. Box 805	Company:			
City: Hobbs State: NM Zip: 88241	Attn:			
Phone #: 575-397-6388 Fax #: 575-397-0397	Address: Selse			
Project #: Project Owner: OXY	City:			
Project Name: Roo 22 State 13	State: Zip:			
Project Location: (c c o H.')() Sampler Name: Vels Orm/25	Phone #:			
Sampler Name: Vels Orngle 5	Fax#:			
FOR LAB USE ONLY MATRI	PRESERV SAMPLING			
NO ON H		MINI		
Tab I.D. Sample I.D. CONTAINERS SOUNDWATE ROUNDWATE II. II.		1 Kilo		
Lab I.D. Sample I.D.	R: 38 38 38 38 38 38 38 38 38 38 38 38 38			
Tab I.D. Sample I.D. CONTAINERS #CONTAINERS GROUNDWATER SOIL SOIL	SLUDGE OTHER: ACIDIBASE ICE / COOL OTHER: THAT			
1 <0/p>	X 1-24 1005	XXX		
3 30107 GII V	X 1011	1 2 2		
3 50103 GI X	1020			
4 56201 61 1	11/1	XXXX		
5 50202 GILX	//30	XXX		
· 6 80303 EII	X 1159	XXX		
3 50301 CI K	X / 130	X X X		
0 50302 CI X	X 199	XXX		
Sp303 61 A	F / 222	CX4		
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service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interrup affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such		iė.		
Relinquished By: Date: 7-114 Received By:	Phone Re Fax Resul		Add'l Phone #: Add'l Fax #:	
Time	REMARKS		IOUITI BATT.	
Relinquished By: Date: 7 (Received By:				

CHECKED BY

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition Cool Intact Yes Yes No No

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



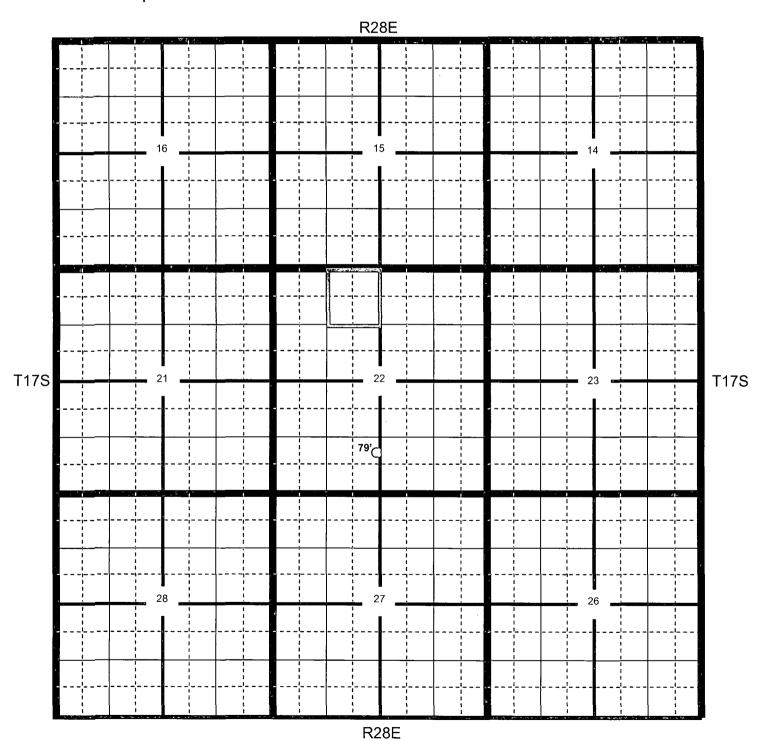


Groundwater Plot

Oxy Roo 22 State #13

CountyUnit LetterSectionTownshipRangeEddyC2217S28E

Trend Map 50'



♣ Location

o OCD

OUSGS

OSEO

All Databases



Section Quarters

Oxy Roo 22 State #13

CountyUnit LetterSectionTownshipRangeEddyC2217S28E

Trend Map 50'

1 2

NW/NW	NE/NW	NW/NE	NE/NE
			; ; ;
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SWINW	SE/NW	SW/NE	SE/NE
		 	1
	-		
	1) E 8 U
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
	; ; ;	! ! !	4 4 5
	1 1 1 1	 	! ! !
Unit Letter L SW/SW	Unit Letter K SE/SW	Unit Letter J SW/SE	Unit Letter I SE/SE
5 W/5 W	SE/ _I S VV	5 W/SE	SE/SE
	79, C		
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

Location

o OCD

 $\circ_{\,USGS}$

o seo

All Databases

Laboratory Analytical Results Summary Roo 22 State #13

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	1/24/14	1/24/14	1/24/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	1	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		1280	608	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	1/24/14	1/24/14	1/24/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		544	160	64
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		68.6	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	1/24/14	1/24/14	1/24/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		< 0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	< 0.300	<0.300
Chloride	SM4500CI-B		384	128	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0



January 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: ROO 22 STATE 13

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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 accreditated 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.

Celeg D. Keene

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



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

Fax To: (

: (575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

ROO 22 STATE 13

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 1 @ 1' (H400250-01)

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	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	< 0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms		<u></u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	84.9 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.6 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Freene



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

Fax To: (575) 397-0397

Received:

01/27/2014

Reported:

01/31/2014

Project Name: Project Number: ROO 22 STATE 13 NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

01/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: SP 1 @ 2' (H400250-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	102 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105 9	63.6-15	4						

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Celeg D. Keine



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

Fax To: (575) 397-0397

Received: Reported: 01/27/2014

Project Name:

01/31/2014 **ROO 22 STATE 13**

Project Number:

NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

01/24/2014 Soil

Sampling Type:

Cool & Intact

Sampling Condition:

Sample Received By:

Kathy Perez

Sample ID: SP 1 @ 3' (H400250-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 89.4-12	6						
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	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/30/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	72.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	78.5	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

ROO 22 STATE 13

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 2 @ 1' (H400250-04)

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	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	68.6	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	98.9 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	104%	63.6-15	4						

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

Fax To:

(575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

ROO 22 STATE 13

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 2 @ 2' (H400250-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	< 0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	< 0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	91.93	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101 9	63.6-15	4						

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

Fax To: (575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Soil

Project Name:

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

ROO 22 STATE 13 NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 2 @ 3' (H400250-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS		<u>.</u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	110 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/30/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	72.9	% 65.2-14	0	-					
Surrogate: 1-Chlorooctadecane	82.7	% 63.6-15	4						

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

Fax To:

(575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

ROO 22 STATE 13

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 3 @ 1' (H400250-07)

BTEX 8021B	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	< 0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	91.99	65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.6%	63.6-15	4						

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

Fax To:

(575) 397-0397

Received: Reported:

01/27/2014

01/31/2014

Project Name: Project Number: ROO 22 STATE 13 NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

Sampling Type:

01/24/2014 Soil

pling Type:

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: SP 3 @ 2' (H400250-08)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS			-:		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	94.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.3	63.6-15	4						

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

Fax To: (575) 397-0397

Received:

01/27/2014

Sampling Date:

01/24/2014

Reported:

01/31/2014

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

Project Number:

ROO 22 STATE 13 NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

LOCO HILLS, NM

Sample ID: SP 3 @ 3' (H400250-09)

BTEX 8021B	mg/kg		Analyzed By: MS					,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	110 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	67.3 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	68.0 9	63.6-15	4						

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

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: EMP	
Project #: Project Owner: 0 X y	City:	
Project Name: Rep 22 State 13	State: Zip:	
Project Location: /oco #:11)	Phone #:	
Project Location: Loco H.'II) Sampler Name: Vels Orveles	Fax #:	
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
(C)OMP ERS ATER		
Lab I.D. Sample I.D.	ین ا	
	R: R	
CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	ACIDIGASE OTHER: OTHER: OTHER: OTHER: ACIDIGASE OTHER:	
1 5010 G1 X	1-24 1005	
3 5010Z G1 X	X 1 1011	XXX
	1020	
4 5 5 201 61 1	11/1	
5 3p202 GI K	X //30	
· 6 sp303	X 1159	121818
3 5030	X /30	<i>^</i> <i>^</i> <i>/</i>
5 5 3 0 Z	1 779	1717 to 1
1 3 p 3 (2)	T V UU	
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruption	s, loss of use, or loss of profits incurred by client, its subsidia	diarles,
affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such class Relinquished By: Date: Received By:	Phone Re	esult:
Timgi	Fax Resu REMARK	
Relinguished By: Date: 1 Received By:		
Relinquished By:	1) 1	

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition Cool Intact Yes Yes No No

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

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

Name of Company

Surface Owner State

Address

Facility Name

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 Ompany Oxy Permian Ltd. ☐ Contact Christopher Jones 1502 W. Commerce Dr., Carlsbad, NM Telephone No. (575) 628-4121 Imme Roo 22 State #13 Facility Type Well Location Vener State ☐ Mineral Owner API No. 30-015-40535 LOCATION OF RELEASE

Unit Letter Section Feet from the North/South Line Feet from the East/West Line County Township Range 22 787 C 17S 28E North 2023 West Eddy County, NM Latitude N 32.81631° Longitude W 104.17°

NATURE OF RELEASE Oil and Produced water Volume of Release Volume Recovered Unknown Type of Release 7 bbls oil, 33 bbls produced water Source of Release Valve open, handle off, bull plug missing Date and Hour of Occurrence Date and Hour of Discovery 12/28/2013 Was Immediate Notice Given? If YES, To Whom? ☑ Yes ☐ No ☐ Not Required Mike Bratcher-NMOCD Jennifer Gilkey, BBC International Date and Hour By Whom? 12/30/2013 @ 12:45 pm Was a Watercourse Reached? If YES, Volume Impacting the Watercourse ☐ Yes 🖾 No If a Watercourse was Impacted, Describe Fully.* APR 03 2014 NMOCD ARTESIA Describe Cause of Problem and Remedial Action Taken.* For an unknown reason, a valve was left open, a handle was off, and a bull plug was missing at the well head which caused 7 bbls of oil and 33 bbls of produced water to leak onto the ground. All free-standing fluids were recovered via vacuum truck and the well head parts were repaired and/or replaced. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 10' x 20' on location. Remediation will be completed in accordance with a plan approved by NMOCD. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Name: Christopher Jones Title: HES Specialist Approval Date: **Expiration Date:** E-mail Address: Christopher Jones@oxy.com Conditions of Approval: Attached Phone: (575) 628-4121

^{*} Attach Additional Sheets If Necessary