

Bratcher, Mike, EMNRD

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Wednesday, January 01, 2014 1:28 PM
To: Bratcher, Mike, EMNRD
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Stinking Draw #002-Remediation Plan
Attachments: Remediation Packet- Stinking Draw#2.pdf

Mike,

This e-mail is to confirm our conversation on December 18, 2013 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will surface scrape 6 inches across the entire spill area. The area will then be backfilled with clean soil.

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

Thanks, Cliff

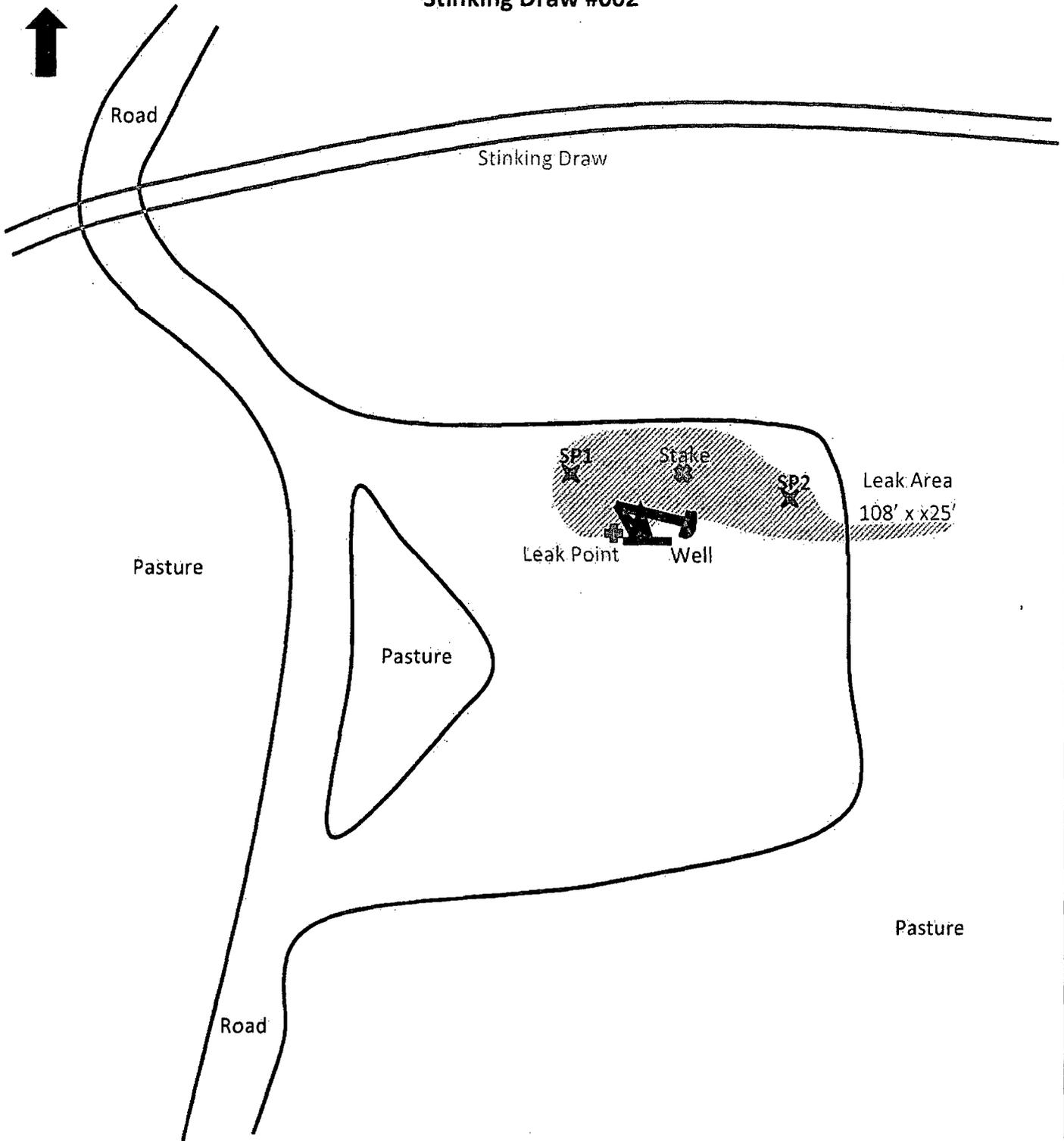
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
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Oxy

Stinking Draw #002



U/L N, Section 36, T20S, R23E

660'FSL and 1980'FWL

Eddy County, NM

GPS at stake: N 32.51673° W 104.55773°

API# 30-015-27976

BBC International, Inc.

Oxy

Stinking Draw #002

Date: 09/19/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Stinking Draw #002

County
Eddy

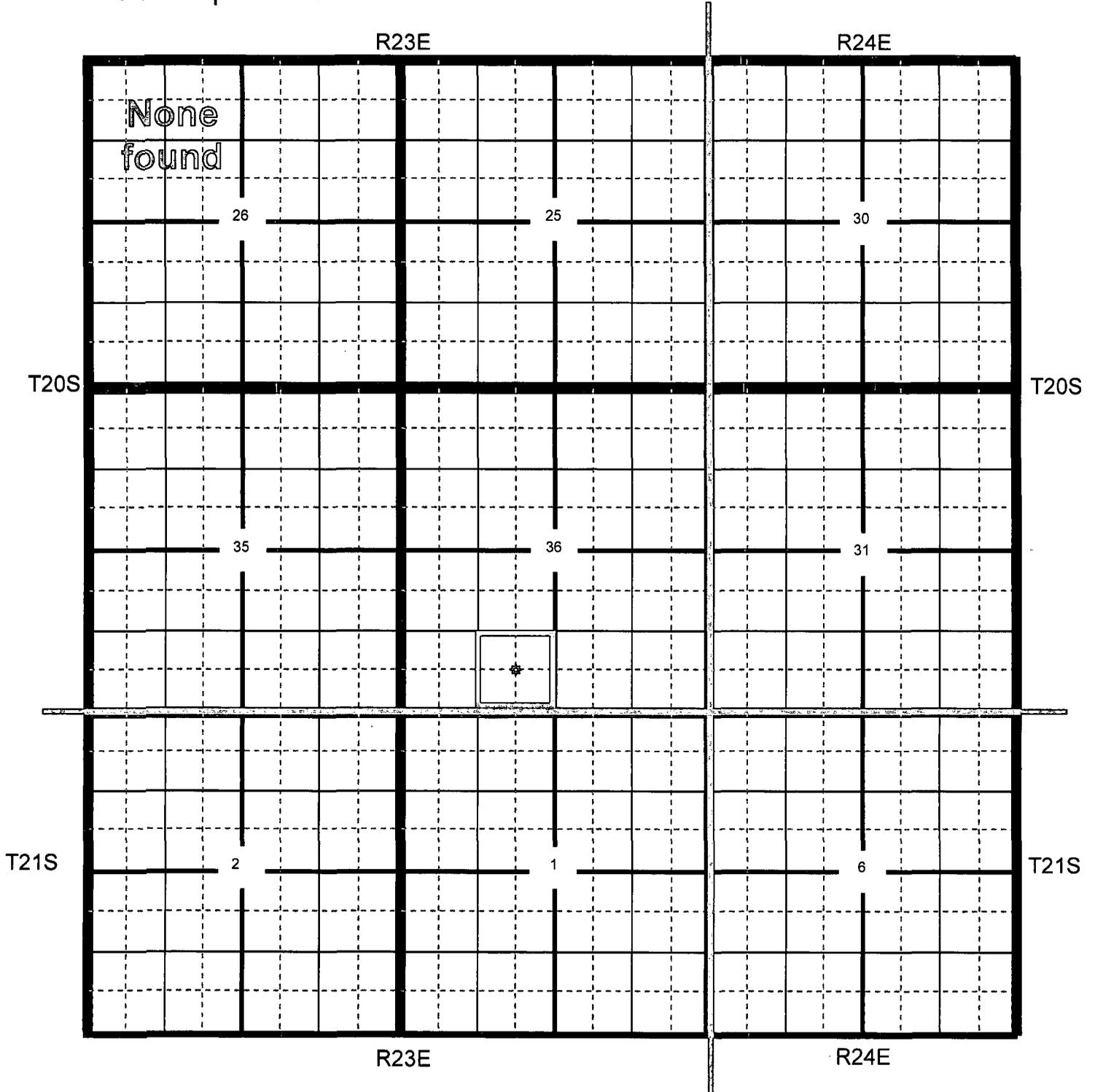
Unit Letter
N

Section
36

Township
20S

Range
23E

Trend Map 425'



★ Location

○ OCD

○ USGS

⊙ SEO

● All Databases



Section Quarters

Oxy Stinking Draw #002

County Eddy	Unit Letter N	Section 36	Township 20S	Range 23E
-----------------------	-------------------------	----------------------	------------------------	---------------------

Trend Map 425'

1

2

NW/NW None found Unit Letter D	NE/NW Unit Letter C	NW/NE Unit Letter B	NE/NE Unit Letter A
SW/NW Unit Letter E	SE/NW Unit Letter F	SW/NE Unit Letter G	SE/NE Unit Letter H
NW/SW Unit Letter L	NE/SW Unit Letter K	NW/SE Unit Letter J	NE/SE Unit Letter I
SW/SW Unit Letter M	SE/SW Unit Letter N 	SW/SE Unit Letter O	SE/SE Unit Letter P

3

4

Location
 OCD
 USGS
 SEO
 All Databases

**Laboratory Analytical Results Summary
Stinking Draw #002**

Analyte	Method	Sample Date	SP1 @ 6"	SP1 @ 1'
			9/17/13	10/9/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		720	64
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		551	<10.0

Analyte	Method	Sample Date	SP2 @ 6"	SP2 @ 1'
			9/17/13	10/9/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		752	32
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		646	<10.0

September 24, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STINKING DRAW #2

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/19/2013	Sampling Date:	09/17/2013
Reported:	09/24/2013	Sampling Type:	Soil
Project Name:	STINKING DRAW #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 6" (H302292-01)

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

Surrogate: 4-Bromofluorobenzene (PIE) 128 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	09/24/2013	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/21/2013	ND	200	100	200	0.330		
DRO >C10-C28	551	10.0	09/21/2013	ND	193	96.4	200	1.85		

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 129 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/19/2013
 Reported: 09/24/2013
 Project Name: STINKING DRAW #2
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 09/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 6" (H302292-02)

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

Surrogate: 4-Bromofluorobenzene (PIE) 126 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	09/24/2013	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/21/2013	ND	200	100	200	0.330		
DRO >C10-C28	646	10.0	09/21/2013	ND	193	96.4	200	1.85		

Surrogate: 1-Chlorooctane 97.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- A-01a Surrogates failed QC limits, High. No target compounds detected above PQL.
- A-01 BFB surrogate failed high. No target compounds detected in associated samples.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CHLORIDE</div> </div>											
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn: SAME													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: SAME													
Project #: Project Owner: OXY		City:													
Project Name: STINKING DRAW #2		State: Zip:													
Project Location: Indian Basin		Phone #:													
Sampler Name: ROGER HERNANDEZ		Fax #:													

FOR LAB USE ONLY		GRAB OR (COMP. #) CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER			
H302292		6/1			✓				✓			9.17.13	1:20	✓
	1 SP106"	6/1			✓				✓			9.17.13	1:50	✓
	2 SP706"													

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Relinquished By: <i>Roger Hernandez</i>	Date: 9.19.13	Received By: <i>Jodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 3:00		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool: 4.8°C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>JA</i>		

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

#54



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

October 18, 2013

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

RE: STINKING DRAW #2

Enclosed are the results of analyses for samples received by the laboratory on 10/15/13 9:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in cursive script that reads "Celey 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: (575) 397-0397

 Received: 10/15/2013
 Reported: 10/18/2013
 Project Name: STINKING DRAW #2
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

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

Sample ID: SP 1 @ 1 FT (H302487-01)

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	10/18/2013	ND	1.90	95.1	2.00	1.49		
Toluene*	<0.050	0.050	10/18/2013	ND	1.97	98.5	2.00	1.87		
Ethylbenzene*	<0.050	0.050	10/18/2013	ND	2.00	100	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/18/2013	ND	5.96	99.4	6.00	1.35		
Total BTEX	<0.300	0.300	10/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/16/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/15/2013	ND	208	104	200	2.60		
DRO >C10-C28	<10.0	10.0	10/15/2013	ND	200	100	200	2.31		

Surrogate: 1-Chlorooctane 86.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.5 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/15/2013	Sampling Date:	10/09/2013
Reported:	10/18/2013	Sampling Type:	Soil
Project Name:	STINKING DRAW #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 2 @ 1 FT (H302487-02)

BTEX 8021B		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2013	ND	1.90	95.1	2.00	1.49		
Toluene*	<0.050	0.050	10/16/2013	ND	1.97	98.5	2.00	1.87		
Ethylbenzene*	<0.050	0.050	10/16/2013	ND	2.00	100	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/16/2013	ND	5.96	99.4	6.00	1.35		
Total BTEX	<0.300	0.300	10/16/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 167 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/15/2013	ND	208	104	200	2.60		
DRO >C10-C28	<10.0	10.0	10/15/2013	ND	200	100	200	2.31		

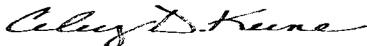
Surrogate: 1-Chlorooctane 95.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.8 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

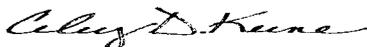
Notes and Definitions

- 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

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

laf

Page 5 of 5

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:													
Project #: Project Owner: Oxy		City: Same													
Project Name: Stinking Draw #002		State: Zip:													
Project Location: Indian Basin		Phone #:													
Sampler Name: Gary Ray		Fax #:													

Lab I.D.	Sample I.D.	(C)RAB OR (C)OMP. # CONTAINERS	MATRIX							PRESERV.			SAMPLING		DATE	TIME	CL	TPH	B-Tex
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:								
H3024576	1 SP 2 @ 2 FT	G 1			X					X			10-9-13	2:00pm	X	X	X		
	2 SP 2 @ 1 FT	G 2			X					X			10-9-13	2:00pm	X	X	X		
VAD 10/15/13																			

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Relinquished By: Gary Ray	Date: 10/13/13 Time: 5:00pm	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: [Signature]	Date: 10/13/13 Time: 4:15	Received By: Jode Henson	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	5.42	Sample Condition Cool/Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: [Signature]	

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

#54

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Stinking Draw #002	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-27976

LOCATION OF RELEASE

Unit/Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	36	20S	23E	660	South	1980	West	Eddy County, NM

Latitude N 32.51669° Longitude W 104.5581°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	1 bbls of oil and 15 bbls of water	Volume Recovered	0 bbls
Source of Release	½" Nipple broke off of the well head	Date and Hour of Occurrence	09/12/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD, James Amos and Jennifer VanCuren- BLM		
By Whom?	Christopher Jones	Date and Hour	09/13/2013 @ 3:42 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A half inch nipple broke off of the well head causing 1 bbls of oil and 15 bbls of produced water to leak on to the ground. No fluids were recovered and the nipple was replaced on the well head.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 30' x 100'. Remediation will be completed in accordance with a plan approved by NMOCD and the BLM.

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

Signature:	OIL CONSERVATION DIVISION		
Printed Name: Christopher Jones			
Title: HES Specialist	Approved by District Supervisor:	Approval Date:	Expiration Date:
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 9/30/13	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary