

Closure Report

Site Description

Site Name:	Rogers #006
Company:	Oxy Permian
Legal Description:	U/L J, Section 23, T18S, R26E
County:	Eddy County, NM
GPS Coordinates:	N 32.73259° W 104.35140°

Release Data

Date of Release:	08/28/2016
Type of Release:	Oil
Source of Release:	Stuffing box packing on the well head blew out
Volume of Release:	20 bbls
Volume Recovered:	19 bbls

Remediation Specifications

Remediation Parameters:	Excavate the entire leak to a depth of 1 foot. Backfill the site with clean soil.	
Remediation Activities:	January 2017	
Plan Sent to OCD:	11/21/2016	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	11/29/2016	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 09/09/2016
Final C-141	Signed 01/31/2017
Site Diagram	September 2016
Groundwater Plot	50'-75'
TOPO Maps	September 2016
Lab Summary	09/13/2016-09/14/2016
Lab Analysis	09/13/2016-09/14/2016
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.

02/14/2016

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	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Rogers #006	Facility Type	Well
Surface Owner	State	Mineral Owner	API No. 30-015-39850

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	23	18S	26E					Eddy County, NM

Latitude N 32.73259° Longitude W 104.35140°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	20 bbls	Volume Recovered	19 bbls
Source of Release	Stuffing box packing on the wellhead blew out	Date and Hour of Occurrence	08/28/2016	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, Heather Patterson- NMOCD		
By Whom?	Kathy@ BBC International, Inc.	Date and Hour	08/29/2016 @ 4:23 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.*

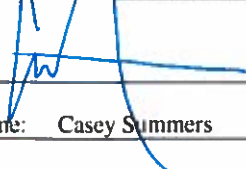
Describe Cause of Problem and Remedial Action Taken.*

The stuffing box packing blew out on the well head and caused a leak of 20 bbls of oil. A vacuum truck recovered 19 bbls of oil and the stuffing box packing was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 150' x 75' both on and off location. Remediation will be completed in accordance with a remediation 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.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Casey Summers		Approved by Environmental Specialist:	
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 9-9-16	Phone: (575) 513-8289		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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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	Casey Summers
Address	PO Box 4294; Houston, TX 77210	Telephone No.	(575) 513-8289
Facility Name	Rogers #006	Facility Type	Well
Surface Owner	State	Mineral Owner	API No. 30-015-39850

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	23	18S	26E					Eddy County, NM

Latitude N 32.73259° Longitude W 104.35140°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	20 bbls	Volume Recovered	19 bbls
Source of Release	Stuffing box packing on the wellhead blew out	Date and Hour of Occurrence	08/28/2016	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, Heather Patterson- NMOCD		
By Whom?	Kathy@ BBC International, Inc.	Date and Hour	08/29/2016 @ 4:23 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.*

The stuffing box packing blew out on the well head and caused a leak of 20 bbls of oil. A vacuum truck recovered 19 bbls of oil and the stuffing box packing was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 150' x 75' both on and off location. Remediation was completed in accordance with a remediation plan approved by Mike Bratcher of NMOCD via email on 11/29/2016.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1-31-17	Phone: (575) 513-8289		

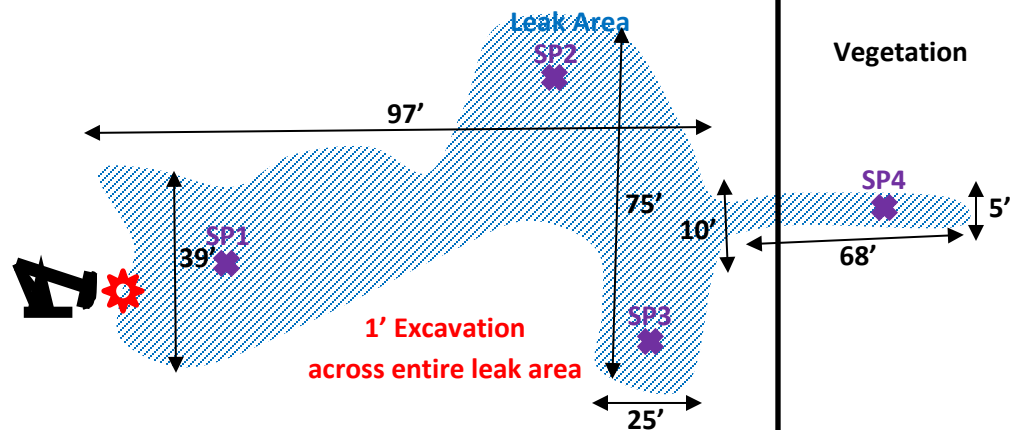
* Attach Additional Sheets If Necessary



Oxy
Rogers #006 (8/28/16)

Location

Vegetation



Vegetation

Vegetation

U/L J, Section 23, T18S, R26E

Eddy County, NM

N 32.73259° W 104.35140°

API# 30-015-39850

BBC International, Inc.

Oxy
Rogers #006

Date: 09/09//2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016



Groundwater Plot

Oxy Rogers #006

County
Eddy

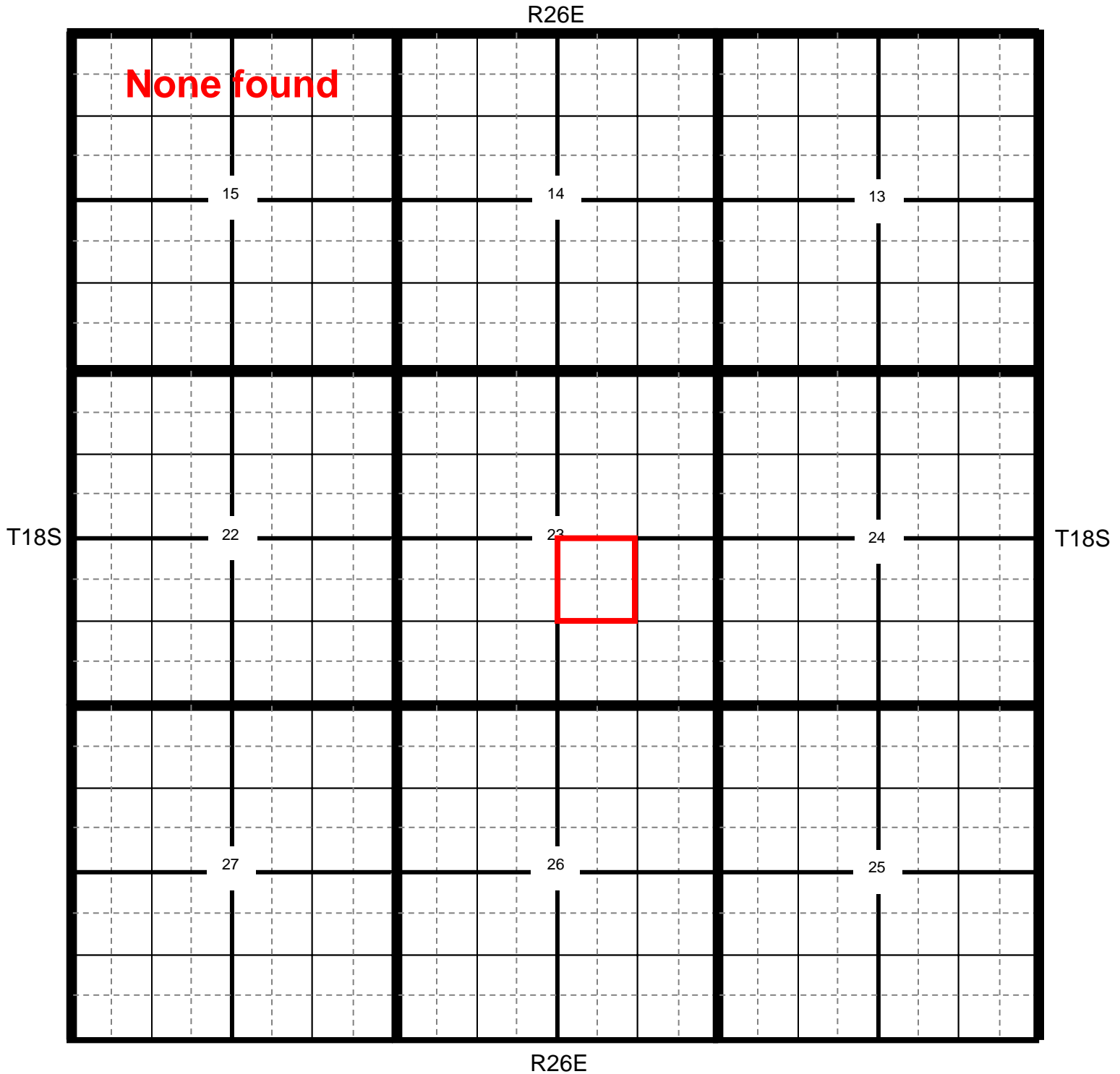
Unit Letter
J

Section
23

Township
18S

Range
26E

Trend Map 50'-75'



★ Location

● OCD

● USGS

● SEO

● All Databases

Section Quarters

Oxy Rogers #006

County Eddy Unit Letter J Section 23 Township 18S Range 26E

Trend Map 50'-75'

1

2

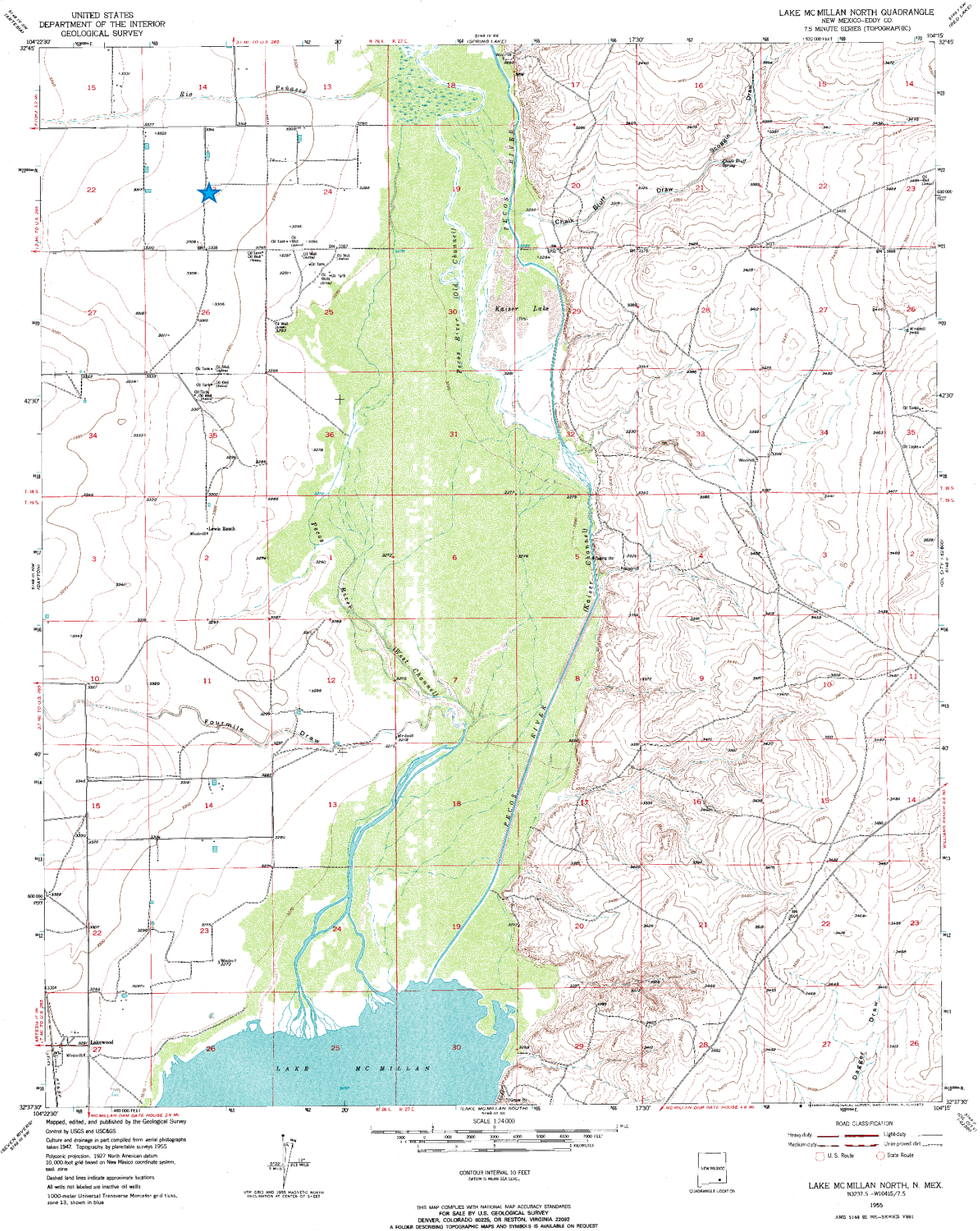
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Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

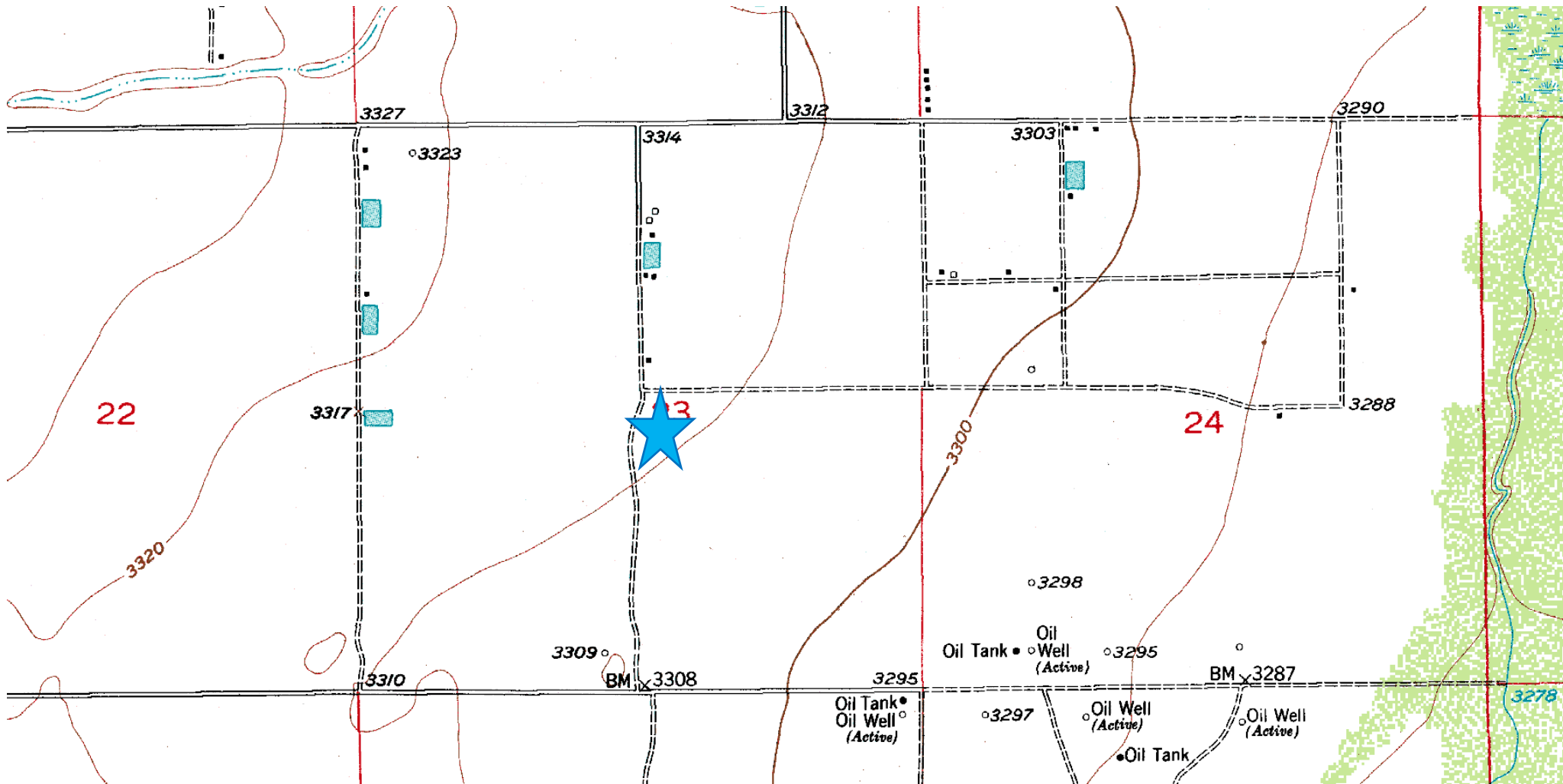
Oxy

Rogers #006



Oxy

Rogers #006



**Laboratory Analytical Results Summary
Rogers #006**

		Sample	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	9/13/16	9/13/16	9/13/16
			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	SM4500Cl-B		848	208	224
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		30.6	<10.0	<10.0

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	9/13/16	9/13/16	9/13/16	9/13/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		816	560	464	256
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		11.3	<10.0	<10.0	n/a

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	9/13/16	9/13/16	9/13/16	9/13/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		1880	768	400	48
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		75.2	<10.0	<10.0	n/a

		Sample	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	9/13/16	9/14/16	9/14/16	9/14/16	9/14/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		27600	1680	480	336	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		193	<10.0	<10.0	n/a	n/a



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

September 22, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: ROGER'S #6

Enclosed are the results of analyses for samples received by the laboratory on 09/16/16 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ SURFACE (H602080-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	09/22/2016	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	30.6	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 82.0 % 35-147

Surrogate: 1-Chlorooctadecane 96.0 % 28-171

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: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H602080-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/22/2016	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	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	<10.0	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 80.6 % 35-147

Surrogate: 1-Chlorooctadecane 93.1 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H602080-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	<10.0	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 83.0 % 35-147

Surrogate: 1-Chlorooctadecane 95.8 % 28-171

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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: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ SURFACE (H602080-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	11.3	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 85.9 % 35-147

Surrogate: 1-Chlorooctadecane 95.3 % 28-171

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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: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H602080-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	<10.0	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 91.8 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

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Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H602080-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	<10.0	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 92.8 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Sample ID: SP 2 @ 3' (H602080-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/22/2016	ND	432	108	400	0.00	

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Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ SURFACE (H602080-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	75.2	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 76.9 % 35-147

Surrogate: 1-Chlorooctadecane 91.2 % 28-171

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Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H602080-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	<10.0	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 89.3 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2' (H602080-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78		
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01		
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15		
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01		
Total BTEX	<0.300	0.300	09/20/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	202	101	200	2.97	
DRO >C10-C28	<10.0	10.0	09/19/2016	ND	211	106	200	2.27	

Surrogate: 1-Chlorooctane 98.2 % 35-147

Surrogate: 1-Chlorooctadecane 117 % 28-171

Sample ID: SP 3 @ 3' (H602080-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/22/2016	ND	432	108	400	0.00	

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Analytical Results For:

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Fax To: (575) 397-0397

Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/13/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ SURFACE (H602080-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27600	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	186	93.2	200	5.01	
DRO >C10-C28	193	10.0	09/19/2016	ND	204	102	200	4.06	

Surrogate: 1-Chlorooctane 99.4 % 35-147

Surrogate: 1-Chlorooctadecane 119 % 28-171

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Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/14/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 1' (H602080-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	<0.050	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	186	93.2	200	5.01	
DRO >C10-C28	<10.0	10.0	09/19/2016	ND	204	102	200	4.06	

Surrogate: 1-Chlorooctane 88.8 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/14/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 2' (H602080-14)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2016	ND	2.14	107	2.00	2.58	
Toluene*	<0.050	0.050	09/20/2016	ND	2.19	109	2.00	1.65	
Ethylbenzene*	<0.050	0.050	09/20/2016	ND	2.10	105	2.00	1.16	
Total Xylenes*	<0.150	0.150	09/20/2016	ND	6.29	105	6.00	1.14	
Total BTX	<0.300	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/19/2016	ND	186	93.2	200	5.01	
DRO >C10-C28	<10.0	10.0	09/19/2016	ND	204	102	200	4.06	

Surrogate: 1-Chlorooctane 93.8 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

Sample ID: SP 4 @ 3' (H602080-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/22/2016	ND	432	108	400	0.00	

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Received: 09/16/2016
Reported: 09/22/2016
Project Name: ROGER'S #6
Project Number: NONE GIVEN
Project Location: ARTESIA, NM

Sampling Date: 09/14/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 4' (H602080-16)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/22/2016	ND	432	108	400	0.00	

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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

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																
Project Manager: Cliff Brunson		P.O. #:																		
Address: P.O. Box 805		Company:																		
City: Hobbs		Attn: <i>James J.</i>																		
Phone #: 575-397-6388		Address:																		
State: NM Zip: 88241		City:																		
Fax #: 575-397-0397		State:																		
Project #:		Zip:																		
Project Name: <i>Loger's #6</i>		Project Owner: <i>OKY</i>																		
Project Location: <i>Atkins 1, NM</i>		Phone #:																		
Sample Name: <i>1.0</i>		Fax #:																		
FOR LAB USE ONLY																				
Lab I.D. <i>#602080</i>	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															
				9-13	2:00	X	X	X												
				9-13	3:19	X	X	X												
				9-14	11:33	X	X	X												
				12:40		X	X	X												
				1:11		X	X	X												
				1:50		X	X	X												
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Relinquished By: <i>YH Crumley</i>		Date: <i>9-16-16</i>		Time: <i>11:50</i>		Received By: <i>Scott Henderson</i>		Date: <i>9-16-16</i>		Time: <i>11:50</i>		CHECKED BY: <i>Scott Henderson</i>								
Reinquinshed By:		Date:		Time:		Received By:		Date:		Time:		CHECKED BY:								
Delivered By: (Circle One) <i>Delivered</i>		Sample Condition		Cool		Intact		Yes		No		CHECKED BY: (Initials)								
Sampler - UPS - Bus - Other: <i>-3.76</i>		Yes		No		Yes		No		Yes		No								

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

#75

From: Bratcher, Mike, EMNRD
To: [Cliff Brunson](#)
Cc: [Patterson, Heather, EMNRD](#); [Casey Summers](#); jennifer_duarte@oxy.com; [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#); [Weaver, Crystal, EMNRD](#)
Subject: RE: OXY Rogers #006 - Remediation Plan
Date: Tuesday, November 29, 2016 7:49:25 AM

RE: OXY USA * Rogers 6 * **2RP-3900** * DOR: 8/28/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, November 21, 2016 8:24 AM
To: Bratcher, Mike, EMNRD
Cc: Patterson, Heather, EMNRD; Casey Summers; jennifer_duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY Rogers #006 - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY Rogers #006 release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
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World-Wide Environmental Specialists
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1FT depth



Complete



Complete

