

RECEIVED

By Jkeyes at 2:46 pm, Mar 24, 2016

Closure Rep

APPROVED

By Jkeyes at 2:46 pm, Mar 24, 2016

Site Description

Site Name:	Antelope Ridge #011
Company:	Oxy Permian Ltd.
Legal Description:	U/L E, Section 34, T23S, R34E
County:	Lea County, NM
GPS Coordinates:	N 32.26229° W 103.46425°

Release Data

Date of Release:	10/12/2015
Type of Release:	Oil and produced water
Source of Release:	Over-pressure on a 2" production flow line
Volume of Release:	3 bbls oil, 5 bbls produced water
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the area around SP1 to a depth of 5 feet. Excavate the area around SP2 to a depth of 4 feet. Excavate the area around SP3 to a depth of 1.5 feet. Backfill the site with clean soil.	
Remediation Activities:	03/09/2016 to 03/14/2016	
Plan Sent to OCD:	01/27/2016	Email from Cliff Brunson to Kellie Jones
OCD Approval of Plan:	01/29/2016	Email from Kellie Jones 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 11/09/2015
Final C-141	Signed 03/21/2016
Site Diagram	October 2015
Groundwater Plot	275'-300'
TOPO Maps	October 2015
Lab Summary	10/21/2015-10/22/2015
Lab Analysis	10/21/2015-10/22/2015
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.

03/24/2016

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	Dusty Wilson
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5771
Facility Name	Antelope Ridge #011	Facility Type	Well location
Surface Owner	State	Mineral Owner	API No. 30-025-37624

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	34	23S	34E					Lea County, NM

Latitude N 32.26229° Longitude W 103.46425°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	3 bbls oil, 5 bbls produced water	Volume Recovered	0 bbls
Source of Release	Over-pressure on a 2" production flow line	Date and Hour of Occurrence	10/12/2015	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?	Kellie Jones, Jamie Keyes, Tomas Oberding-NMOCD		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Time	10/13/2015 @ 11:05 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

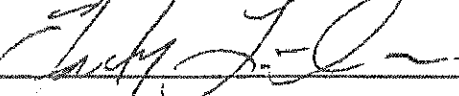
Describe Cause of Problem and Remedial Action Taken.*

Over-pressure on a 2" production flow line caused 3bbls of oil and 5 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 45' x 10' off location on the southern road. Remediation will be completed in accordance with the 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: Dusty Wilson	Approved by Environmental Specialist:		
Title: Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Dusty.Wilson@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 11-9-15	Phone: (432) 685-5771		

* 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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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.
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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	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Antelope Ridge #011	Facility Type	Well location
Surface Owner	State	Mineral Owner	API No. 30-025-37624

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	34	23S	34E					Lea County, NM

Latitude N 32.26229° Longitude W 103.46425°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	3 bbls oil, 5 bbls produced water	Volume Recovered	0 bbls
Source of Release	Over-pressure on a 2" production flow line	Date and Hour of Occurrence	10/12/2015	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?	Kellie Jones, Jamie Keyes, Tomas Oberding-NMOCD		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Time	10/13/2015 @ 11:05 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*



Describe Cause of Problem and Remedial Action Taken.*

Over-pressure on a 2" production flow line caused 3bbls of oil and 5 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 45' x 10' off location on the southern road. Remediation was completed in accordance with the remediation plan approved by Kellie Jones of NMOCD via email on 01/29/2016.

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: 		OIL CONSERVATION DIVISION	
Printed Name: Casey Summers		Approved by Environmental Specialist: 	
Title: NM Environmental Advisor		Approval Date: 03/24/2016	Expiration Date: ///
E-mail Address: Casey_Summers@oxy.com		Conditions of Approval:	
Date: 3-21-16 Phone: (575) 513-8289		Attached <input type="checkbox"/> 1RP 3976	

* Attach Additional Sheets If Necessary



Oxy

Antelope Ridge #011

Entry road

Antelope Ridge #011

U/L E, Section 34, T23S, R34E

Lea County, NM

N 32.26229° W 103.46425°

API# 30-025-37624

1.5 ft Excavation

27' x 15'

SP3

Leak Area

SP2

4 ft Excavation

5 ft Excavation

SP1

15' x 8'

Road

BBC International, Inc.

Oxy
Antelope Ridge #011

Date: 10/15/2015

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2015

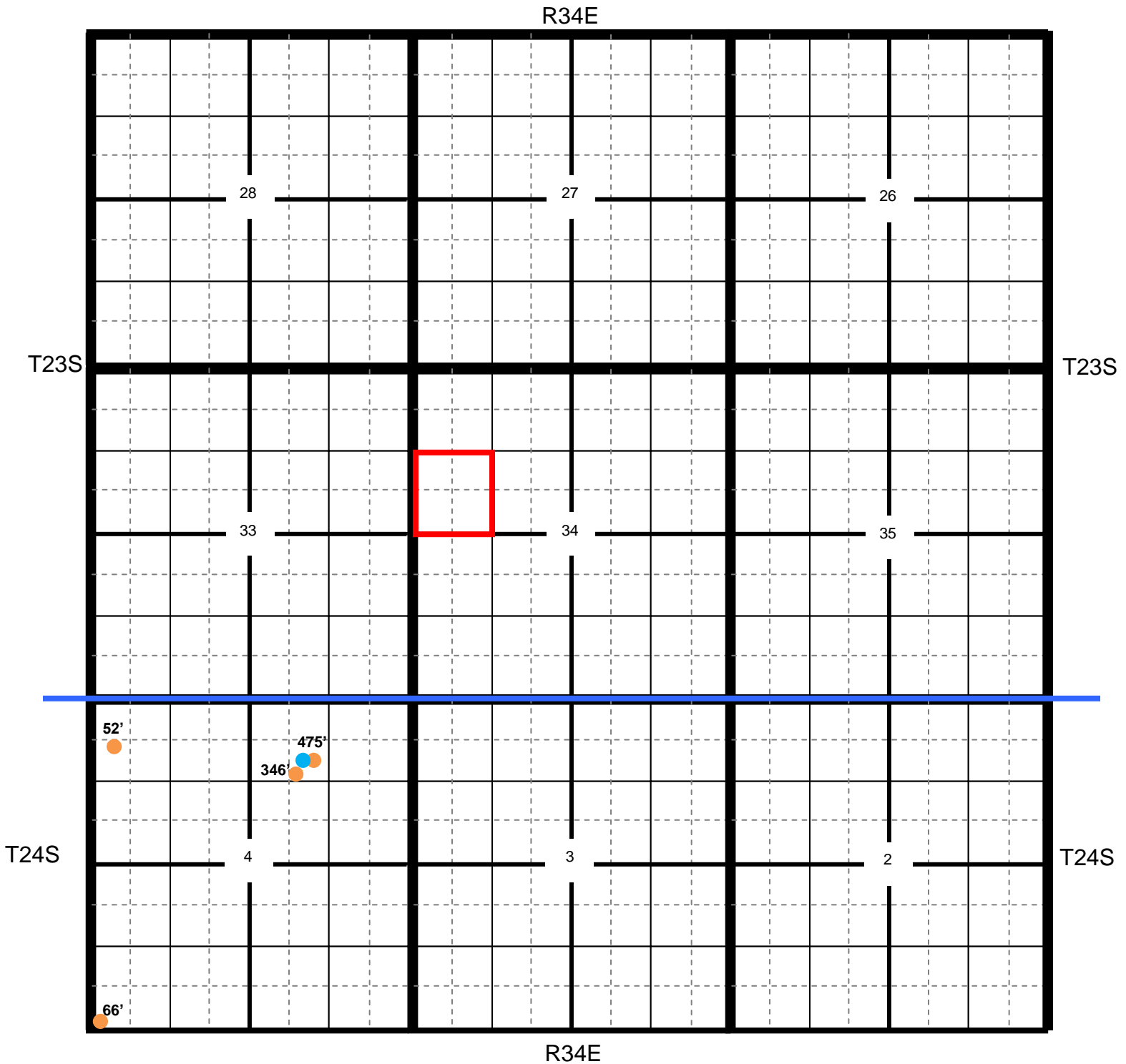


Groundwater Plot

Oxy Antelope Ridge #011

County: Lea County Unit Letter: E Section: 34 Township: 23S Range: 34E

Trend Map 275'-300'



Oxy Antelope Ridge #011

County	Unit Letter	Section	Township	Range
Lea	E	34	23S	34E

Trend Map 275'-300'

1

2

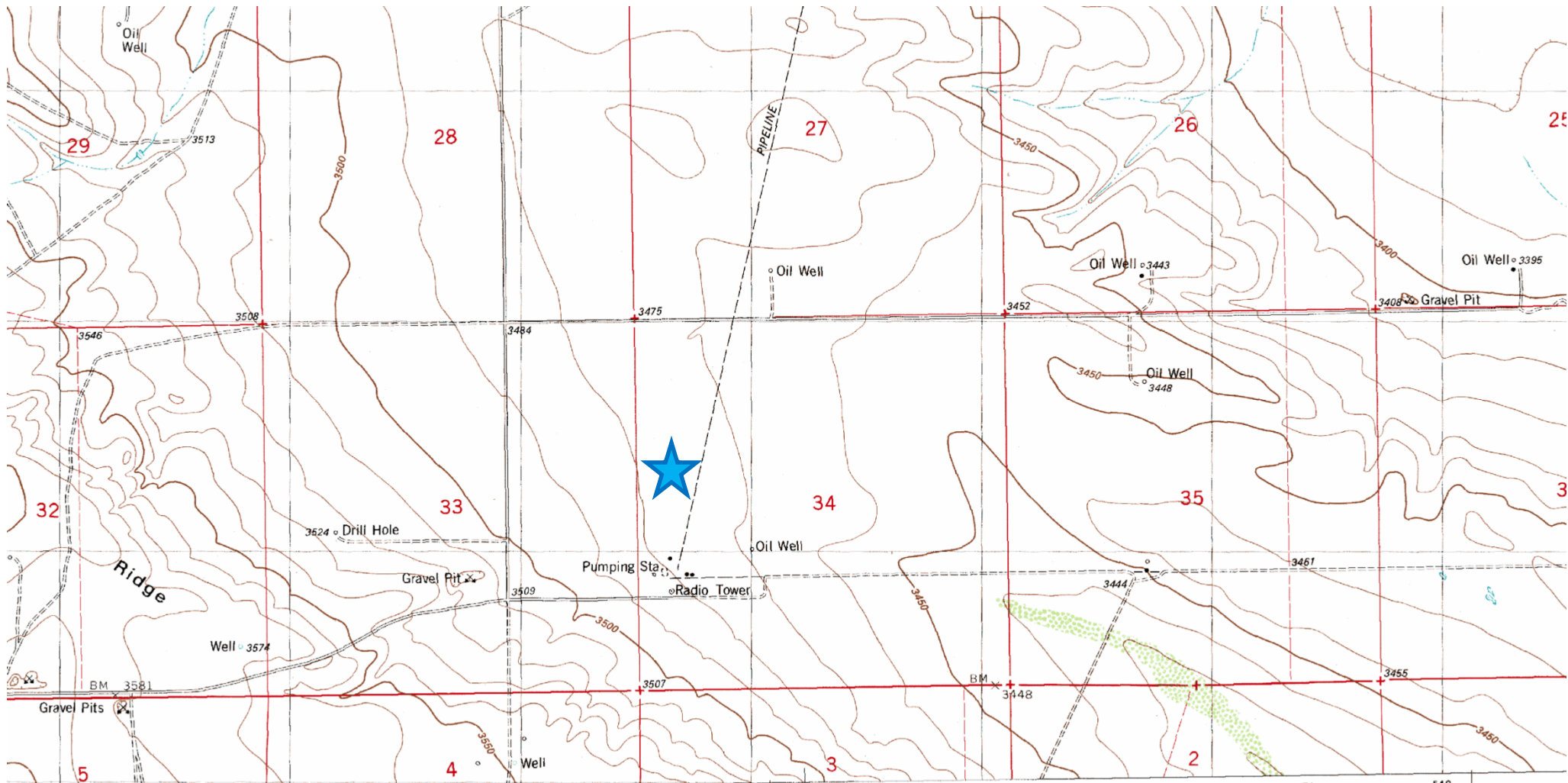
NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter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

3

4

Oxy

Antelope Ridge #011



**Laboratory Analytical Results Summary
Antelope Ridge #11**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	10/21/15	10/21/15	10/21/15	10/21/15	10/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2200	1840	1380	176	64
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 6'	SP2 @ 7'
Analyte	Method	Date	10/21/15	10/21/15	10/22/15	10/22/15	10/22/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		3560	1780	800	288	144
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	11.2	12.1	11.2

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	10/22/15	10/22/15	10/22/15	10/22/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.155	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		7.96	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		8.13	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2120	64	208	80
GRO	TPH 8015M		295	<10.0	<10.0	<10.0
DRO	TPH 8015M		2990	10.1	13.3	<10.0



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

October 28, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: ANTELOPE RIDGE #11

Enclosed are the results of analyses for samples received by the laboratory on 10/23/15 16:53.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, 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:	10/23/2015	Sampling Date:	10/21/2015
Reported:	10/28/2015	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	DELAWARE BASIN		

Sample ID: SP 1 @ 1' (H502770-01)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	10/26/2015	ND	432	108	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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 88.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 1 @ 3' (H502770-02)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	10/26/2015	ND	432	108	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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 91.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 1 @ 5' (H502770-03)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	10/26/2015	ND	432	108	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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 90.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 100 % 52.1-176

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: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 1 @ 6' (H502770-04)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/26/2015	ND	432	108	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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 89.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 1 @ 7' (H502770-05)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

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	10/26/2015	ND	432	108	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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 90.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.8 % 52.1-176

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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: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 2 @ 1' (H502770-06)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	10/26/2015	ND	432	108	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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 87.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.3 % 52.1-176

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Received: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 2 @ 3' (H502770-07)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1780	16.0	10/26/2015	ND	432	108	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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 84.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.8 % 52.1-176

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

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 2 @ 5' (H502770-08)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/26/2015	ND	432	108	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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	11.2	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 89.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.2 % 52.1-176

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

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 2 @ 6' (H502770-09)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/26/2015	ND	432	108	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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	12.1	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 88.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.0 % 52.1-176

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

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 2 @ 7' (H502770-10)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/26/2015	ND	432	108	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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	11.2	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 87.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.2 % 52.1-176

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Received: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 3 @ 1' (H502770-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	0.155	0.100	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.100	0.100	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	7.96	0.300	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	8.13	0.600	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	10/26/2015	ND	432	108	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	295	10.0	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	2990	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 137 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 52.1-176

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Received: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 3 @ 3' (H502770-12)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

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	10/26/2015	ND	432	108	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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	10.1	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 89.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.1 % 52.1-176

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Received: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 3 @ 4' (H502770-13)

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	10/28/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/28/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	1.84	
Total BTEx	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/26/2015	ND	432	108	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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	13.3	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 92.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ANTELOPE RIDGE #11
Project Number: NONE GIVEN
Project Location: DELAWARE BASIN

Sampling Date: 10/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP 3 @ 5' (H502770-14)

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	10/28/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/28/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	1.84	
Total BTEx	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/26/2015	ND	432	108	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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 86.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.7 % 52.1-176

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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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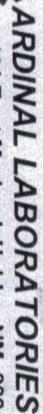


Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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 $\frac{2}{2}$ Page 18 of 18

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2416

Kathy Purvis

From: Jones, Kellie, EMNRD <Kellie.Jones@state.nm.us>
Sent: Friday, January 29, 2016 2:02 PM
To: Cliff Brunson; Keyes, Jamie, EMNRD
Cc: Casey Summers; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY Antelope Ridge #011 - Remediation Plan

Cliff,

OCD approves work plan.

Thanks,

Kellie Jones
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
575-393-6161 ext. 111
575-370-3180 (emergency-cell)
E-Mail: kellie.jones@state.nm.us

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.

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, January 27, 2016 6:27 PM
To: Jones, Kellie, EMNRD; Keyes, Jamie, EMNRD
Cc: Casey Summers; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY Antelope Ridge #011 - Remediation Plan

Kellie,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy Antelope Ridge #011 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 back via e-mail with your concurrence on this 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

Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.6176 / Virus Database: 4522/11511 - Release Date: 01/29/16













