

**RECEIVED**

By JKeyes at 9:39 am, Mar 17, 2016

PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NEW MEXICO 88240  
E-MAIL: cbrunson@bbcinternational.com**APPROVED**

## OXY – ANTELOPE RIDGE COMPRESSOR CTB

### REMEDIATION PLAN

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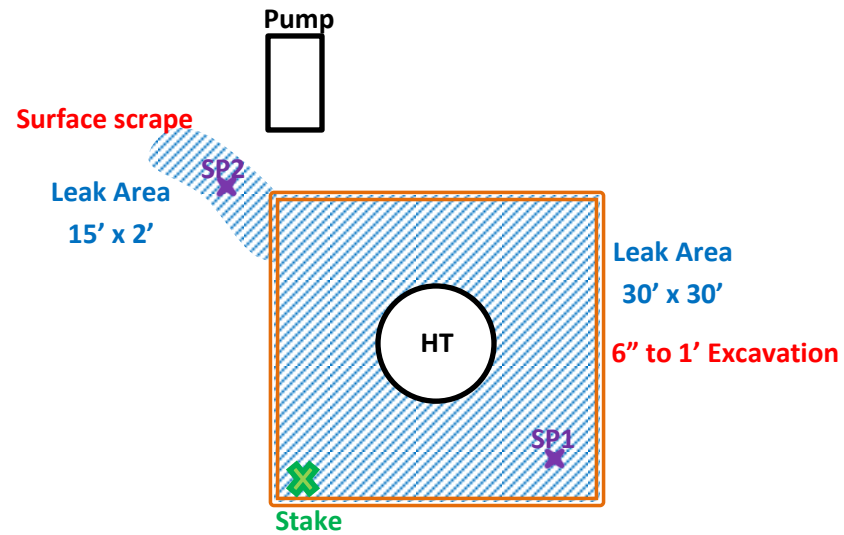
OXY will excavate the spill area as depicted on the following site diagram. The spill area near sample point SP1 will be excavated to a depth of 6 inches to 1 foot. In the area of sample point SP2 the area will be surface scraped. The entire site will be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy

# Antelope Ridge Compressor CTB (1/4/16)



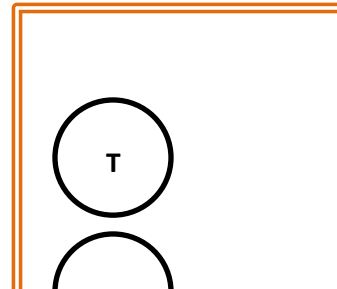
Tanks

U/L L, Section 34, T23S, R34E

Lea County, NM

N 32.25817° W 103.46399°

API# 30-025-21082



BBC International, Inc.

Oxy

Antelope Ridge Compressor CTB

Date: 1/12/16

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016

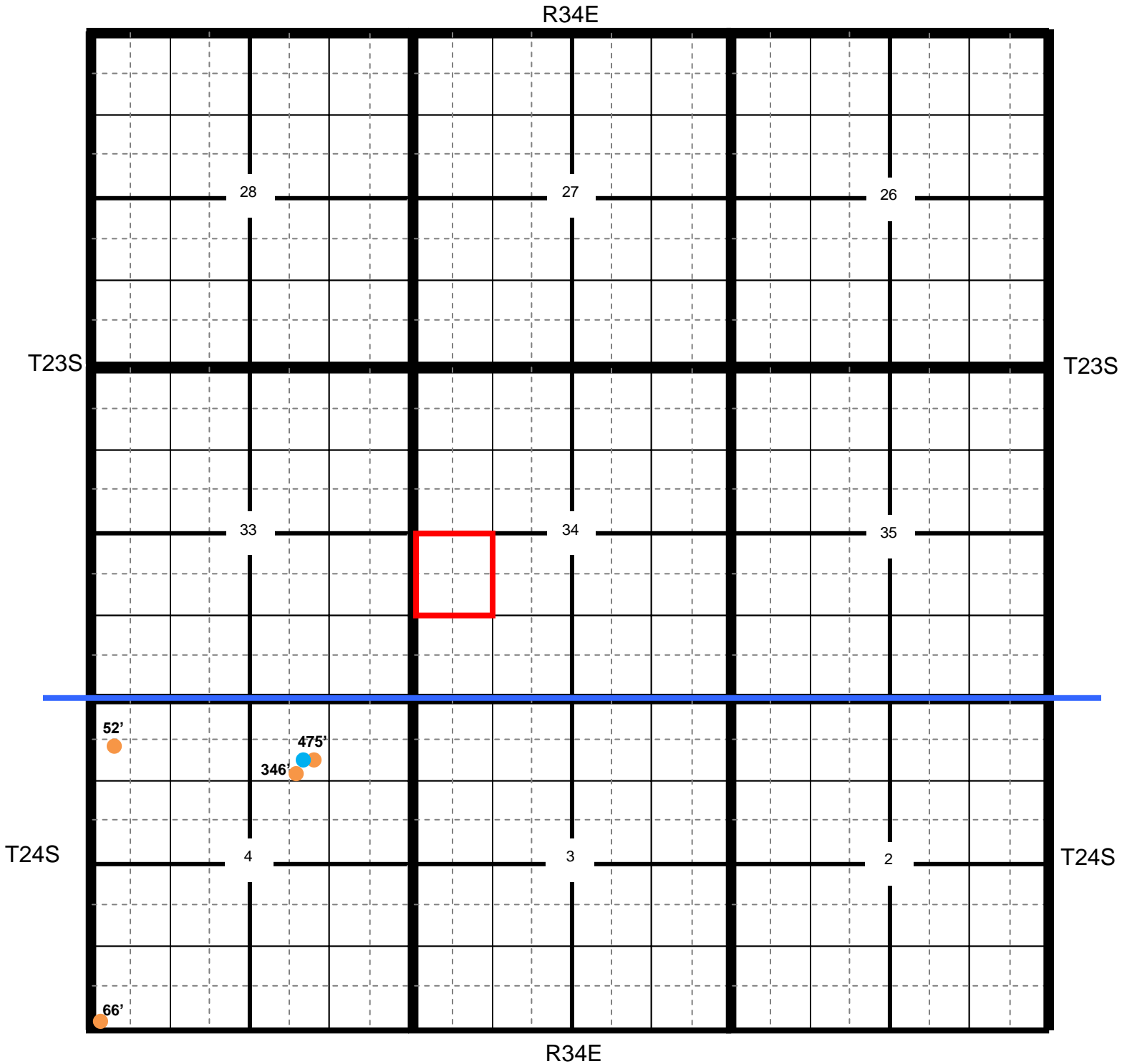


# Groundwater Plot

## Oxy Antelope Ridge Compressor CTB

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

Trend Map 275'-300'



Location OCD USGS SEO All Databases

## Oxy Antelope Ridge Compressor CTB

<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Lea	L	34	23S	34E

Trend Map 275'-300'

1

2

NW/NW <b>None found</b>	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

**Laboratory Analytical Results Summary  
Antelope Ridge Compressor Battery**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	2/10/16	2/10/16	2/10/16
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.200	<0.050
<b>Toluene</b>	BTEX 8021B		<b>0.1</b>	<0.200	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.200	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.600	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<1.20	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>13100</b>	<b>2080</b>	<b>128</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>25.4</b>	<10.0	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	2/10/16	2/10/16	2/10/16
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>864</b>	<b>112</b>	<b>128</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<b>10.2</b>	<10.0



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

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February 16, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: ANTELOPE RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 02/10/16 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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](http://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:	02/10/2016	Sampling Date:	02/10/2016
Reported:	02/16/2016	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ SURFACE (H600314-01)**

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	02/15/2016	ND	2.08	104	2.00	0.742	
<b>Toluene*</b>	<b>0.100</b>	0.050	02/15/2016	ND	2.02	101	2.00	0.253	
Ethylbenzene*	<0.050	0.050	02/15/2016	ND	1.83	91.6	2.00	0.717	
Total Xylenes*	<0.150	0.150	02/15/2016	ND	5.64	94.0	6.00	0.0591	
Total BTX	<0.300	0.300	02/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>13100</b>	16.0	02/15/2016	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	02/12/2016	ND	209	104	200	1.45	
<b>DRO &gt;C10-C28</b>	<b>25.4</b>	10.0	02/12/2016	ND	194	96.9	200	3.97	

Surrogate: 1-Chlorooctane 85.7 % 35-147

Surrogate: 1-Chlorooctadecane 94.7 % 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:	02/10/2016	Sampling Date:	02/10/2016
Reported:	02/16/2016	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 1' (H600314-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/15/2016	ND	2.08	104	2.00	0.742	
Toluene*	<0.200	0.200	02/15/2016	ND	2.02	101	2.00	0.253	
Ethylbenzene*	<0.200	0.200	02/15/2016	ND	1.83	91.6	2.00	0.717	
Total Xylenes*	<0.600	0.600	02/15/2016	ND	5.64	94.0	6.00	0.0591	
Total BTX	<1.20	1.20	02/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	02/15/2016	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	02/12/2016	ND	209	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/12/2016	ND	194	96.9	200	3.97	

Surrogate: 1-Chlorooctane 88.2 % 35-147

Surrogate: 1-Chlorooctadecane 98.2 % 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:	02/10/2016	Sampling Date:	02/10/2016
Reported:	02/16/2016	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 2' (H600314-03)**

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	02/15/2016	ND	2.08	104	2.00	0.742	
Toluene*	<0.050	0.050	02/15/2016	ND	2.02	101	2.00	0.253	
Ethylbenzene*	<0.050	0.050	02/15/2016	ND	1.83	91.6	2.00	0.717	
Total Xylenes*	<0.150	0.150	02/15/2016	ND	5.64	94.0	6.00	0.0591	
Total BTX	<0.300	0.300	02/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/15/2016	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	02/12/2016	ND	209	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/12/2016	ND	194	96.9	200	3.97	

Surrogate: 1-Chlorooctane 83.1 % 35-147

Surrogate: 1-Chlorooctadecane 92.5 % 28-171

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

Received:	02/10/2016	Sampling Date:	02/10/2016
Reported:	02/16/2016	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ SURFACE (H600314-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2016	ND	2.08	104	2.00	0.742	
Toluene*	<0.050	0.050	02/15/2016	ND	2.02	101	2.00	0.253	
Ethylbenzene*	<0.050	0.050	02/15/2016	ND	1.83	91.6	2.00	0.717	
Total Xylenes*	<0.150	0.150	02/15/2016	ND	5.64	94.0	6.00	0.0591	
Total BTEx	<0.300	0.300	02/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	02/15/2016	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	02/12/2016	ND	215	108	200	3.48	
DRO >C10-C28	<10.0	10.0	02/12/2016	ND	196	98.1	200	7.87	

Surrogate: 1-Chlorooctane 80.5 % 35-147

Surrogate: 1-Chlorooctadecane 89.6 % 28-171

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

Received:	02/10/2016	Sampling Date:	02/10/2016
Reported:	02/16/2016	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H600314-05)**

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	02/15/2016	ND	2.08	104	2.00	0.742		
Toluene*	<0.050	0.050	02/15/2016	ND	2.02	101	2.00	0.253		
Ethylbenzene*	<0.050	0.050	02/15/2016	ND	1.83	91.6	2.00	0.717		
Total Xylenes*	<0.150	0.150	02/15/2016	ND	5.64	94.0	6.00	0.0591		
Total BTX	<0.300	0.300	02/15/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/15/2016	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	02/12/2016	ND	215	108	200	3.48	
DRO >C10-C28	10.2	10.0	02/12/2016	ND	196	98.1	200	7.87	

Surrogate: 1-Chlorooctane 80.7 % 35-147

Surrogate: 1-Chlorooctadecane 91.3 % 28-171

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**Analytical Results For:**

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

Received:	02/10/2016	Sampling Date:	02/10/2016
Reported:	02/16/2016	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 2' (H600314-06)**

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	02/15/2016	ND	2.08	104	2.00	0.742		
Toluene*	<0.050	0.050	02/15/2016	ND	2.02	101	2.00	0.253		
Ethylbenzene*	<0.050	0.050	02/15/2016	ND	1.83	91.6	2.00	0.717		
Total Xylenes*	<0.150	0.150	02/15/2016	ND	5.64	94.0	6.00	0.0591		
Total BTX	<0.300	0.300	02/15/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/15/2016	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	02/12/2016	ND	215	108	200	3.48	
DRO >C10-C28	<10.0	10.0	02/12/2016	ND	196	98.1	200	7.87	

Surrogate: 1-Chlorooctane 81.7 % 35-147

Surrogate: 1-Chlorooctadecane 79.6 % 28-171

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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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\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager





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	Antelope Ridge Compressor CTB	Facility Type	Battery
Surface Owner	State	Mineral Owner	API No. 30-025-21082

**LOCATION OF RELEASE**

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

Latitude N 32.25817° Longitude W 103.46399°

**NATURE OF RELEASE**

Type of Release	Oil and produced water	Volume of Release	1 bbl oil, 59 bbls produced water	Volume Recovered	45 bbls
Source of Release	Frozen 4" steel line to heater treater	Date and Hour of Occurrence	01/04/2016	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?	Kellie Jones, Jamie Keyes-NMOCD		
By Whom?	Jennifer Gilkey @ BBC International	Date and Hour	01/05/2016 @ 10:06 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.\*

A frozen 4" steel line to the heater treater leaked 1 bbl of oil and 59 bbls of produced water onto the ground. A vacuum truck recovered 45 bbls of fluids and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 30' x 30' centrally located around the heater treater on the pad. 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:	<b>OIL CONSERVATION DIVISION</b>		
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: 1-14-16	Phone: (575) 513-8289		

\* Attach Additional Sheets If Necessary