

**APPROVED**

**Site Description**

Site Name:	Antelope Ridge Compressor CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L L, Section 34, T23S, R34E
County:	Lea County, NM
GPS Coordinates:	N 32.25817° W 103.46399°

**Release Data**

Date of Release:	01/04/2016
Type of Release:	Oil and produced water
Source of Release:	Frozen 4" steel line to heater treater
Volume of Release:	1 bbl oil, 59 bbls produced water
Volume Recovered:	45 bbls

**Remediation Specifications**

Remediation Parameters:	Excavate the area around SP1 to a depth of 6 inches to 1 foot. Surface scrape the area around SP2. Backfill the site with clean soil.
Remediation Activities:	05/02/2016 to 05/03/2016

Plan Sent to OCD:	03/14/2016	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	03/17/2016	Email from Jamie Keyes 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 01/14/2016
Final C-141	Signed 05/04/2016
Site Diagram	January 2016
Groundwater Plot	275'-300'
TOPO Maps	January 2016
Lab Summary	02/10/2016
Lab Analysis	02/10/2016
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.

05/19/2016

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	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.\*

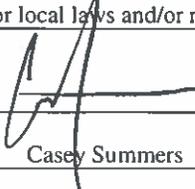
Describe Cause of Problem and Remedial Action Taken.\*

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

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

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

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
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**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 was completed in accordance with a remediation plan approved by Jamie Keyes of NMOCD via email on 03/17/2016.

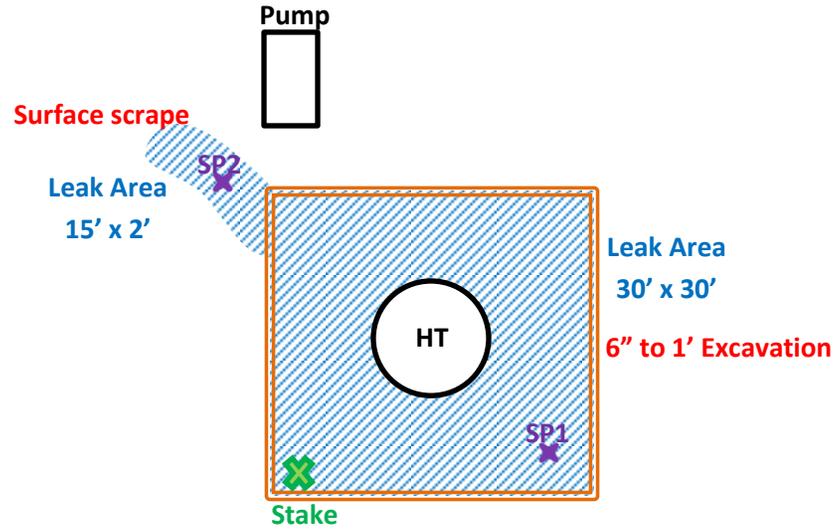
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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:	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: Casey Summers	Approved by Environmental Specialist: <i>Jamie Keyes</i>		
Title: NM Environmental Advisor	Approval Date: 05/19/2016	Expiration Date: ///	
E-mail Address: Casey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 5-4-16	Phone: (575) 513-8289	IRP 4111	

\* Attach Additional Sheets If Necessary



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

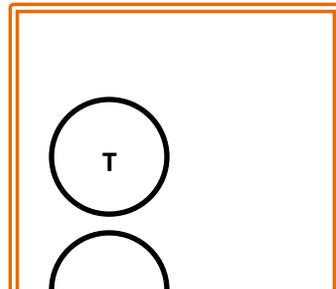


U/L L, Section 34, T23S, R34E

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

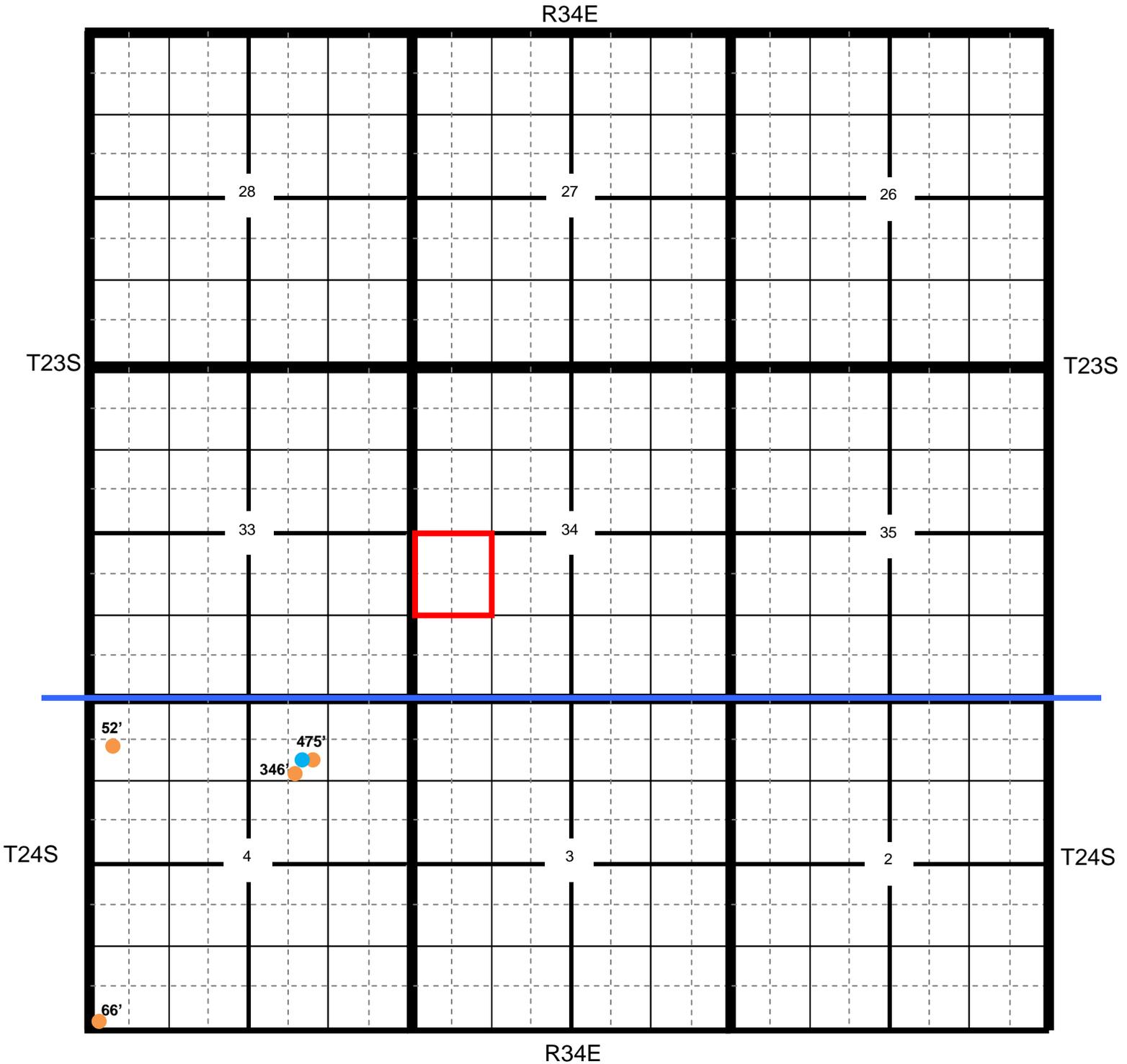


# Groundwater Plot

## Oxy Antelope Ridge Compressor CTB

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

Trend Map      275'-300'



Location      OCD      USGS      SEO      All Databases

## Oxy Antelope Ridge Compressor CTB

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

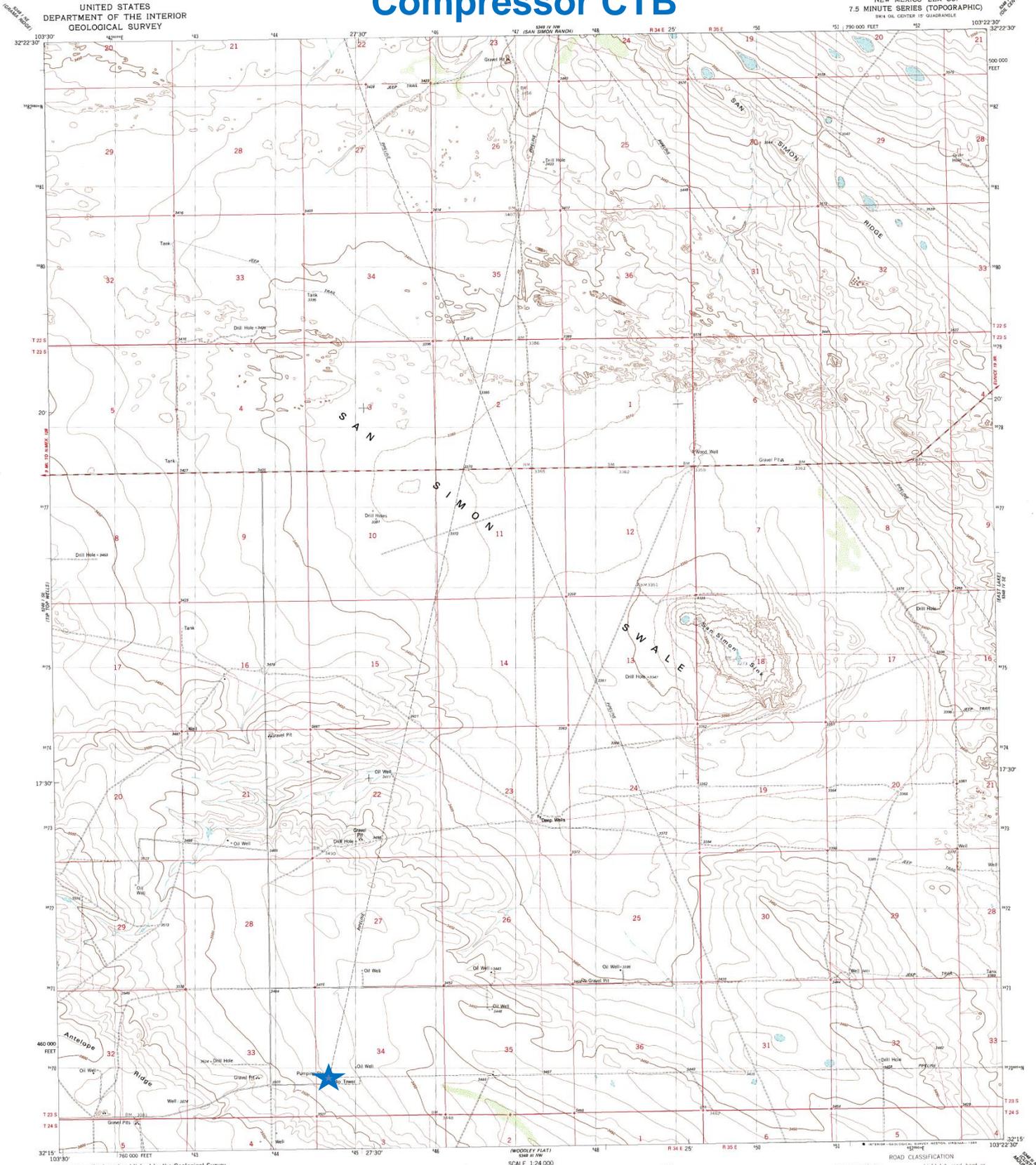
3

4

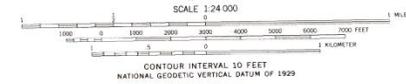
# Oxy

## Antelope Ridge Compressor CTB

SAN SIMON SINK QUADRANGLE  
NEW MEXICO—LEA CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SINK OR CENTER OF QUADRANGLE



Maped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs  
taken 1977. Field checked 1978. Map edited 1984  
Projection and 10,000 foot grid ticks: New Mexico  
coordinate system, east zone (Transverse Mercator)  
1000 meter Universal Transverse Mercator grid, zone 13  
1927 North American Datum  
To place on the predicted North American Datum 1983  
move the projection lines 5 meters south and  
44 meters east as shown by dashed corner ticks  
Fine red dashed lines indicate selected fence lines



**ROAD CLASSIFICATION**

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U.S. Route
	State Route

**SAN SIMON SINK, N. MEX.**  
SINK OR CENTER OF QUADRANGLE  
32103-C4-TF-024

1984  
DMA 5348 IV 5W—SERIES 1981

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



**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



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".

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)**

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	
<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 BTEX	<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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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)**

BTEX 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 BTEX	<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
<b>Chloride</b>	<b>2080</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	
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

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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 1 @ 2' (H600314-03)**

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
<b>Chloride</b>	<b>128</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	
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*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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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 @ 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	
<b>Chloride</b>	<b>864</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	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

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 2 @ 1' (H600314-05)**

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) 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
<b>Chloride</b>	<b>112</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	215	108	200	3.48	
<b>DRO &gt;C10-C28</b>	<b>10.2</b>	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*

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 2 @ 2' (H600314-06)**

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, 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>128</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	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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\*=Accredited Analyte

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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



**ARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
Project Manager: Cliff Brunson  
Address: P.O. Box 805  
City: Hobbs  
Phone #: 575-397-6388  
Project #:

P.O. #:

State: NM Zip: 88241  
Fax #: 575-397-0397  
Project Owner: *DX*

Company:  
Attn:

Project Name: *Antelope Ridge*  
Project Location:

Address:  
City:  
State:  
Zip:

Sampler Name: *Cliff Brunson*

Phone #:  
Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

*H0003K4*

*1 Sp1 @ Surface  
2 Sp1 @ 1'  
3 Sp1 @ 2'  
4 Sp2 @ Surface  
5 Sp2 @ 1'  
6 Sp2 @ 2'*

(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	CL	TPH	BTEX	
		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
	1			/							2/10/16	1000	/	/	/
	1			/							2/10/16	1015	/	/	/
	1			/							2/10/16	1045	/	/	/
	1			/							2/10/16	1130	/	/	/
	1			/							2/10/16	1145	/	/	/
	1			/							2/10/16	1215	/	/	/

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Relinquished By: *[Signature]*

Date: *2/10/16*

Time: *4:30pm*

Received By: *Cliff Brunson*

Relinquished By: *[Signature]*

Date:

Time:

Received By: *[Signature]*

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

*-D.80*

Sample Condition  
Cool  Intact   
Yes  No

CHECKED BY: *[Signature]*

Phone Result:  Yes  No Add'l Phone #:  
Fax Result:  Yes  No Add'l Fax #:

REMARKS:

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

*#54*

## Kathy Purvis

---

**From:** Cliff Brunson <cbrunson@bbcinternational.com>  
**Sent:** Monday, March 21, 2016 3:29 PM  
**To:** Ken Swinney; Jennifer Gilkey; Kathy Purvis; Casey Summers; Dusty Wilson; Jennifer\_Duarte@oxy.com  
**Subject:** FW: OXY-Antelope Ridge Compressor CTB-Remediation Plan

FYI...

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](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*  
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**From:** Keyes, Jamie, EMNRD [<mailto:Jamie.Keyes@state.nm.us>]  
**Sent:** Thursday, March 17, 2016 9:43 AM  
**To:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>  
**Subject:** RE: OXY-Antelope Ridge Compressor CTB-Remediation Plan

Good morning,

The work plan is approved as is.

Thank you,

Jamie

---

**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Monday, March 14, 2016 5:46 PM  
**To:** Keyes, Jamie, EMNRD  
**Cc:** Casey Summers; Dusty Wilson; [Jennifer\\_Duarte@oxy.com](mailto:Jennifer_Duarte@oxy.com); Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-Antelope Ridge Compressor CTB-Remediation Plan

Jamie,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy Antelope Ridge Compressor CTB 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](mailto:cbrunson@bbcinternational.com)

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Version: 2015.0.6189 / Virus Database: 4542/11858 - Release Date: 03/21/16





