

**Closure Report**

2RP-5358

**Site Description**

Site Name:	Cedar Canyon 28 Compression Station
Company:	Oxy, Permian
Legal Description:	U/L A, Section 28, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.19252 W -103.98527

**Release Data**

Date of Release:	3/15/2019
Type of Release:	Produced water
Source of Release:	Slop tank spilled over
Volume of Release:	6 bbls
Volume Recovered:	6 bbls

**Remediation Specifications**

Remediation Parameters:	Excavated the areas of SP1, SP2, SP7, SP8, & SP9 to a depth of 2 feet. Excavated the area of SP3 & SP4 to a depth of 4.5 feet. Excavated SP5 to a depth of 7 feet. Excavated SP6 to a depth of 3 feet. Bottom confirmation samples have been obtained for all depths. Backfilled entire site with clean soil.
Remediation Activities:	2/25/20 through 4/2/20

Plan Sent to OCD:	6/28/2019	Email from Cliff Brunson to the OCD
OCD Approval of Plan:	7/15/2019	Email from Victoria Venegas of OCD District II
Plan Sent to BLM:	n/a	Not Required
BLM Approval of Plan:	n/a	Not Required

**Supporting Documentation**

Initial C-141	signed and included	
C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 3/25/20 to 3/27/20	
Depth to Groundwater	USGS Info, Groundwater trend map	

**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.

6/10/2020

# Oxy, Cedar Canyon Compression Station

Leak Date: 3-15-19  
API: 30-015-35205  
2RP-5358

Legend

2 ft Excavation

3 ft Excavation

4.5 ft Excavation

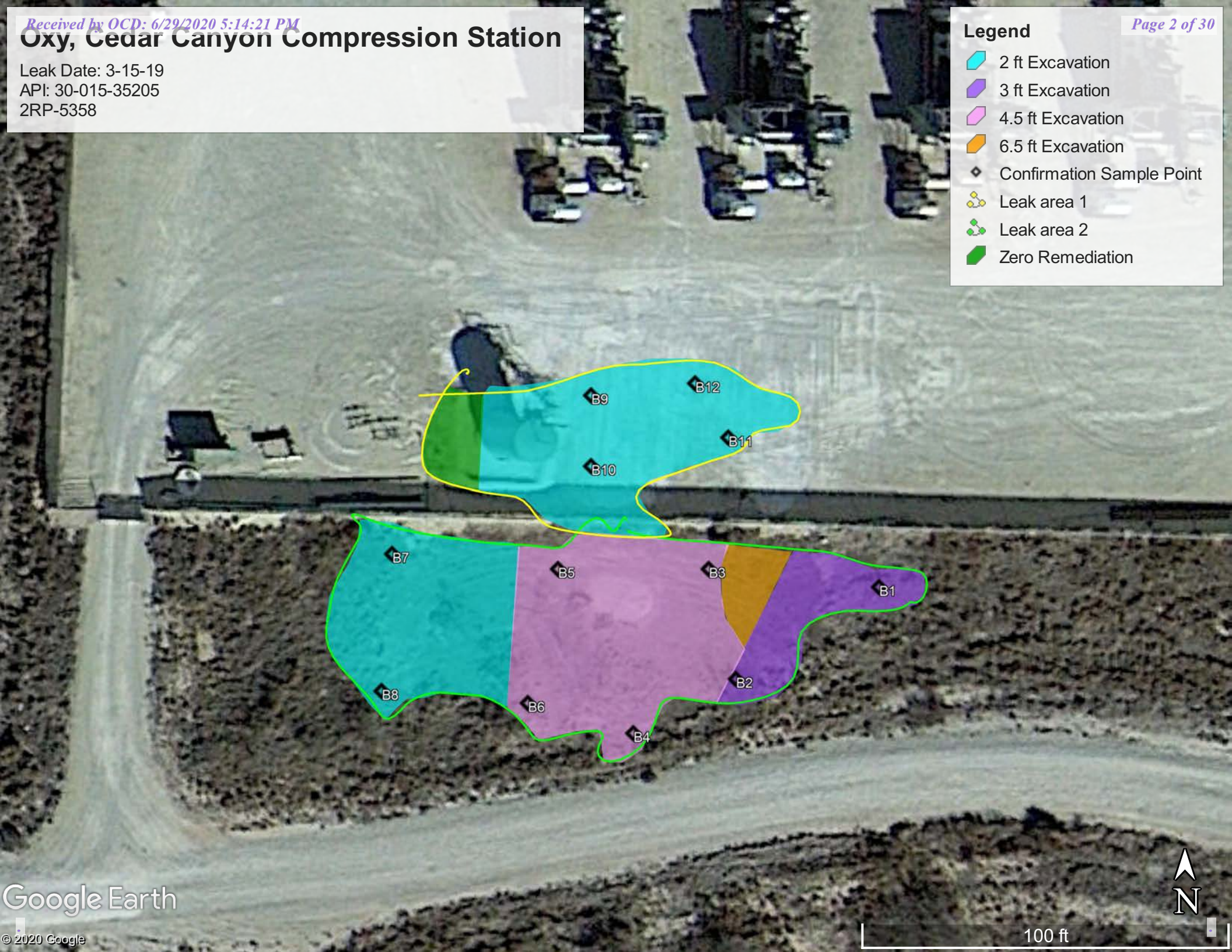
6.5 ft Excavation

Confirmation Sample Point

Leak area 1

Leak area 2

Zero Remediation



## Oxy, Cedar Canyon 28 Compression Station

### Confirmation Sample points

B1, N 32.19245 W-103.98502

B2, N 32.19239 W-103.98515

B3, N 32.19247 W-103.98517

B4, N 32.19235 W-103.98524

B5, N 32.19247 W-103.98530

B6, N 32.19237 W-103.98533

B7, N 32.19248 W-103.98545

B8, N 32.19238 W-103.98546

B9, N 32.19260 W-103.98527

B10, N 32.19254 W-103.98527

B11, N 32.19257 W-103.98515

B12, N 32.19261 W-103.98518























Laboratory Analytical Results Summary  
Oxy, Cedar Canyon 28 Compression Stn (3-5-19)

		Sample ID	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11	SP12
Analyte	Method	Date	3/25/20	3/25/20	3/25/20	3/25/20	3/25/20	3/25/20	3/25/20	3/25/20	3/25/20	3/25/20	3/25/20	3/25/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16.0	<16.0	16.0	16.0	<16.0	16.0	32.0	16.0	16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		112	<10.0	<10.0	<10.0	<10.0	14.5	60.7	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		33.1	<10.0	<10.0	<10.0	<10.0	<10.0	14.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ 3.5'
Analyte	Method	Date	3/27/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0





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

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March 27, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 28 COMPRESSION STATION

Enclosed are the results of analyses for samples received by the laboratory on 03/26/20 10:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 1 (H000925-01)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEX	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	112	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	33.1	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 2 (H000925-02)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEx	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 90.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 3 (H000925-03)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEX	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 4 (H000925-04)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEx	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.2 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 5 (H000925-05)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEX	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 98.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 6 (H000925-06)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEx	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	14.5	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.0 % 42.2-156

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 7 (H000925-07)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEX	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	60.7	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	14.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 8 (H000925-08)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEx	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 9 (H000925-09)**

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	03/26/2020	ND	2.08	104	2.00	4.36	
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98	
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03	
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07	
Total BTEX	<0.300	0.300	03/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 10 (H000925-10)**

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	03/26/2020	ND	2.08	104	2.00	4.36		
Toluene*	<0.050	0.050	03/26/2020	ND	2.09	105	2.00	3.98		
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	4.03		
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.07	101	6.00	4.07		
Total BTEX	<0.300	0.300	03/26/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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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:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 11 (H000925-11)**

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	03/26/2020	ND	2.13	106	2.00	0.258		
Toluene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	0.427		
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.12	106	2.00	0.417		
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.12	102	6.00	0.368		
Total BTEX	<0.300	0.300	03/26/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.9 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	03/26/2020	Sampling Date:	03/25/2020
Reported:	03/27/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 12 (H000925-12)**

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	03/26/2020	ND	2.13	106	2.00	0.258		
Toluene*	<0.050	0.050	03/26/2020	ND	2.10	105	2.00	0.427		
Ethylbenzene*	<0.050	0.050	03/26/2020	ND	2.12	106	2.00	0.417		
Total Xylenes*	<0.150	0.150	03/26/2020	ND	6.12	102	6.00	0.368		
Total BTEX	<0.300	0.300	03/26/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2020	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	03/26/2020	ND	192	95.8	200	0.806	
DRO >C10-C28*	<10.0	10.0	03/26/2020	ND	184	91.9	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	03/26/2020	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



---

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---

### 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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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For 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

1 of 2

1 of 2





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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST** 2 of 2

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---

March 30, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 28 COMPRESSION STATION

Enclosed are the results of analyses for samples received by the laboratory on 03/27/20 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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



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

**Analytical Results For:**

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

Received:	03/27/2020	Sampling Date:	03/27/2020
Reported:	03/30/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 COMPRESSION STAT	Sampling Condition:	Cool & Intact
Project Number:	( 03/15/19 )	Sample Received By:	Kelly Jacobson
Project Location:	OXY - MALAGA		

**Sample ID: SP 1 @ 3.5' (H000942-01)**

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	03/30/2020	ND	2.08	104	2.00	0.960	
Toluene*	<0.050	0.050	03/30/2020	ND	2.08	104	2.00	0.856	
Ethylbenzene*	<0.050	0.050	03/30/2020	ND	2.08	104	2.00	0.0991	
Total Xylenes*	<0.150	0.150	03/30/2020	ND	6.07	101	6.00	0.0764	
Total BTX	<0.300	0.300	03/30/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/30/2020	ND	400	100	400	3.92	

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	03/30/2020	ND	207	103	200	0.315	
DRO >C10-C28*	<10.0	10.0	03/30/2020	ND	197	98.6	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	03/30/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager





---

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---

### 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST** 2 of 2

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Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	2RP-5358
Facility ID	
Application ID	

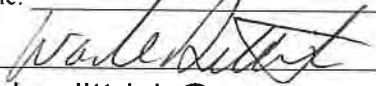
## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Coordinator  
Signature:  Date: 4/13/2020  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_