



DELINEATION WORKPLAN

OXY – GOVERNMENT AC 13 FEDERAL #5H (Leak Date: 4/14/17)

**RP # 2RP-4180
API # 30-015-40880**

This delineation workplan and remediation proposal addresses the release associated with RP # 2RP-4180.

The following information includes:

1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
2. GPS information for sample points and sample methodology
3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
4. Laboratory analysis results summary table and original laboratory analysis reports
5. A copy of the initial C-141
6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram. The entire leak area (shaded in pink) will be excavated to a depth of 6 inches.





The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

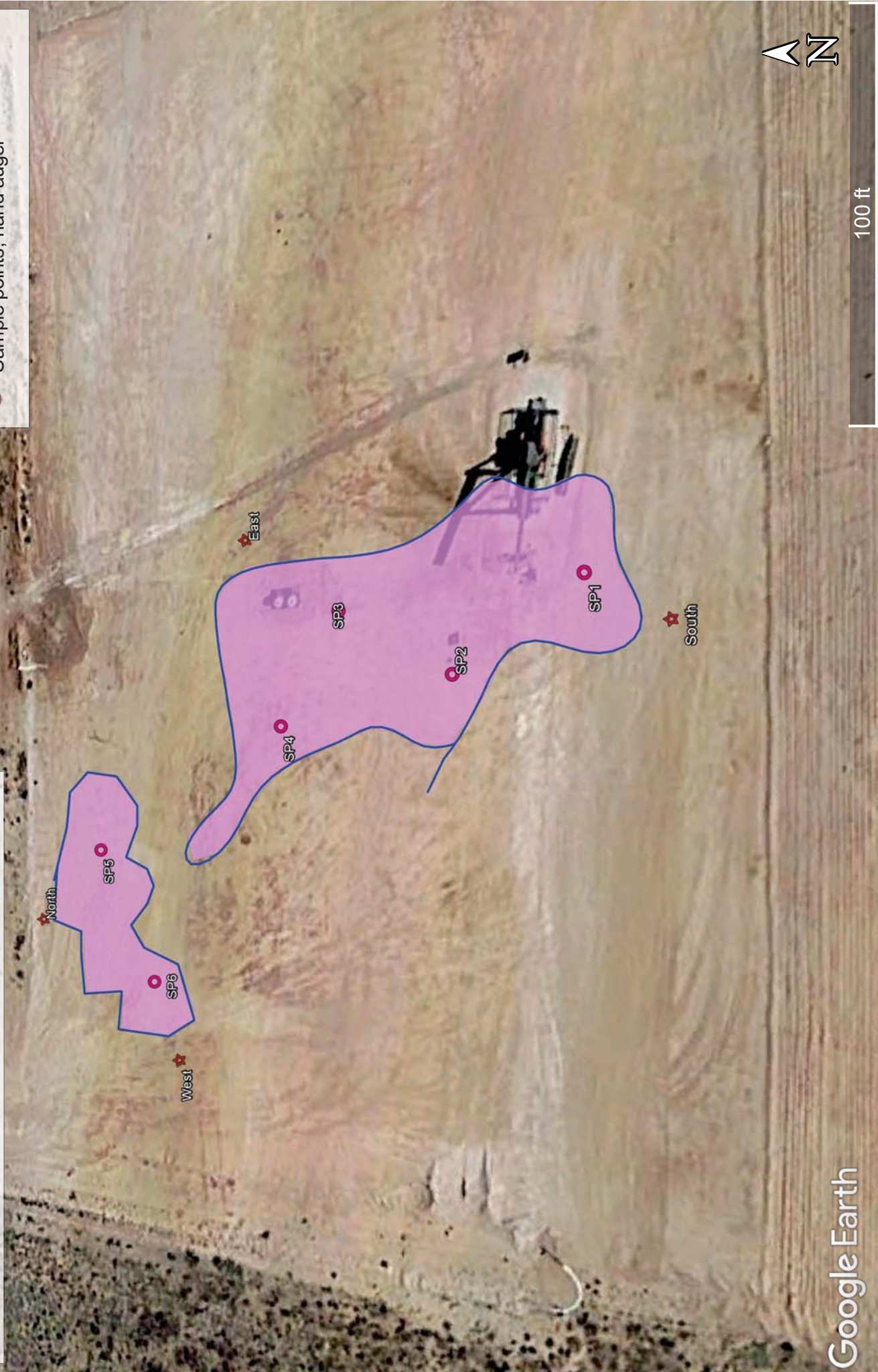
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Oxy, Government AC 13 Federal #5H

Leak date: 04/14/2017
Eddy County, NM
API# 30-015-40880
2RP-4180

Legend

-  6 in. Excavation across entire leak area
-  Cardinal sample points, hand auger
-  Leak area
-  Sample points, hand auger



Oxy, Government AC 13 Fed #5H

Sample points, hand auger

SP1, N 32.57551 W-104.13837

SP2, N 32.57560 W-104.13845

SP3, N 32.57570 W-104.13839

SP4, N 32.57574 W-104.13850

SP5, N 32.57591 W-104.13862

SP6, N 32.57586 W-104.13874

NORTH, N 32.57596 W-104.13869

SOUTH, N 32.57544 W-104.13840

EAST, N 32.57578 W-104.13832

WEST, N 32.57583 W-104.13881



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00525			ED	3	2	1	14	20S	28E	579656	3604847*	<input type="text"/>	1345	171	140 31

Average Depth to Water: **140 feet**

Minimum Depth: **140 feet**

Maximum Depth: **140 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 580970

Northing (Y): 3604556

Radius: 1700

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/25/17 2:37 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER

Public Land Survey System (PLSS)

☐

Q64:

Q16:

SW

Q4:

NW

Sec:

13

Tws:

20S

Rng:

28E

State Plane Coordinate System - NAD27

☐

X:

0

ft

Y:

0

ft

Zone:

State Plane Coordinate System - NAD83

☐

X:

0

ft

Y:

0

ft

Zone:

Degrees/Minutes/Seconds

☐

Longitude (X):

Degrees:

0

°

Minutes:

0

'

Seconds:

0

"

Latitude (Y):

Degrees:

0

°

Minutes:

0

'

Seconds:

0

"

UTM - NAD27

☐

Easting (X):

0

mtrs

Northing (Y):

0

mtrs

Zone:

SUBMIT

All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X):

580970.0

mtrs

Northing (Y):

3604556.0

mtrs

~~ Please keep screen open to copy UTM values for Reports. ~~

Laboratory Analytical Results Summary
Government AC 13 Federal #005H

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 8'	SP1 @ 13'
Analyte	Method	Date	5/1/17	5/1/17	5/1/17	5/1/17	5/1/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		224	160	112	96	256
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 8'	SP2 @ 13'
Analyte	Method	Date	5/1/17	5/1/17	5/1/17	5/1/17	5/1/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		240	64	128	176	176
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a

		Sample	SP3 @ 1'	SP3 @ 6'	SP3 @ 11'
Analyte	Method	Date	5/1/17	5/1/17	5/1/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		128	128	128
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample	SP4 @ 1'	SP4 @ 6'	SP4 @ 11'
Analyte	Method	Date	5/1/17	5/1/17	5/1/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		96	112	128
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample	SP5 @ 1'	SP5 @ 6'	SP5 @ 11'
Analyte	Method	Date	5/1/17	5/1/17	5/1/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	0.059	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		32	48	32
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample	SP6 @ 1'	SP6 @ 6'	SP6 @ 11'
Analyte	Method	Date	5/1/17	5/1/17	5/1/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		0.056	0.058	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		32	16	64
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample	NORTH @ SURFACE
Analyte	Method	Date	5/1/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		0.058
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		96
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SOUTH @ SURFACE
Analyte	Method	Date	5/1/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		0.063
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		128
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	EAST @ SURFACE
Analyte	Method	Date	5/1/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenz	BTEX 8021B		0.06
Total Xyle	BTEX 8021B		<0.150
Total BTE	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		128
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	WEST @ SURFACE
Analyte	Method	Date	5/1/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenz	BTEX 8021B		0.06
Total Xyle	BTEX 8021B		<0.150
Total BTE	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		144
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



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

May 11, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GOVERNMENT AC 13 #5H

Enclosed are the results of analyses for samples received by the laboratory on 05/04/17 16:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP1 @ 1' (H701207-01)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTX	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/08/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 83.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.8 % 34.7-157

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:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP1 @ 2' (H701207-02)

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	05/06/2017	ND	2.07	104	2.00	0.495		
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446		
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875		
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11		
Total BTEx	<0.300	0.300	05/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/08/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 83.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.4 % 34.7-157

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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:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP1 @ 3' (H701207-03)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTEx	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/08/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 74.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 70.5 % 34.7-157

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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:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP1 @ 8' (H701207-04)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTEX	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/08/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 88.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 89.5 % 34.7-157

Sample ID: SP1 @ 13' (H701207-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/08/2017	ND	416	104	400	0.00	

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Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP2 @ 1' (H701207-06)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTEx	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/08/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 69.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.5 % 34.7-157

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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:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP2 @ 2' (H701207-07)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTEx	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/08/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 90.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 91.7 % 34.7-157

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP2 @ 3' (H701207-08)

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	05/06/2017	ND	2.07	104	2.00	0.495		
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446		
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875		
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11		
Total BTEx	<0.300	0.300	05/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/08/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 63.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 78.6 % 34.7-157

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP2 @ 8' (H701207-09)

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	05/06/2017	ND	2.07	104	2.00	0.495		
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446		
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875		
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11		
Total BTEx	<0.300	0.300	05/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/08/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 61.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.2 % 34.7-157

Sample ID: SP2 @ 13' (H701207-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/08/2017	ND	416	104	400	0.00		

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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:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP3 @ 1' (H701207-11)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTX	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/08/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 67.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.0 % 34.7-157

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP3 @ 6' (H701207-12)

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	05/06/2017	ND	2.07	104	2.00	0.495		
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446		
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875		
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11		
Total BTEX	<0.300	0.300	05/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/08/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 88.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 94.3 % 34.7-157

Sample ID: SP3 @ 11' (H701207-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/08/2017	ND	416	104	400	0.00	

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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:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP4 @ 1' (H701207-14)

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	05/06/2017	ND	2.07	104	2.00	0.495		
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446		
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875		
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11		
Total BTEx	<0.300	0.300	05/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/08/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 54.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 70.8 % 34.7-157

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP4 @ 6' (H701207-15)

BTEx 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391		
Ethylbenzene*	<0.050	0.050	05/08/2017	ND	2.16	108	2.00	0.994		
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26		
Total BTEx	<0.300	0.300	05/08/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/08/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 67.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.1 % 34.7-157

Sample ID: SP4 @ 11' (H701207-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/08/2017	ND	432	108	400	0.00	

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP5 @ 1' (H701207-17)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391		
Ethylbenzene*	<0.050	0.050	05/08/2017	ND	2.16	108	2.00	0.994		
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26		
Total BTX	<0.300	0.300	05/08/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 73.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 92.4 % 34.7-157

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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:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP5 @ 6' (H701207-18)

BTX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36	
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391	
Ethylbenzene*	0.059	0.050	05/08/2017	ND	2.16	108	2.00	0.994	
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26	
Total BTX	<0.300	0.300	05/08/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/08/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 61.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 80.3 % 34.7-157

Sample ID: SP5 @ 11' (H701207-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2017	ND	432	108	400	0.00	

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP6 @ 1' (H701207-20)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391		
Ethylbenzene*	0.056	0.050	05/08/2017	ND	2.16	108	2.00	0.994		
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26		
Total BTX	<0.300	0.300	05/08/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75		
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50		

Surrogate: 1-Chlorooctane 91.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 95.0 % 34.7-157

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP6 @ 6' (H701207-21)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391		
Ethylbenzene*	0.058	0.050	05/08/2017	ND	2.16	108	2.00	0.994		
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26		
Total BTX	<0.300	0.300	05/08/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75		
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50		

Surrogate: 1-Chlorooctane 65.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.5 % 34.7-157

Sample ID: SP6 @ 11' (H701207-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/08/2017	ND	432	108	400	0.00		

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: NORTH (H701207-23)

BTX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36	
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391	
Ethylbenzene*	0.058	0.050	05/08/2017	ND	2.16	108	2.00	0.994	
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26	
Total BTX	<0.300	0.300	05/08/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/08/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 68.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 91.5 % 34.7-157

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EAST (H701207-24)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391		
Ethylbenzene*	0.060	0.050	05/08/2017	ND	2.16	108	2.00	0.994		
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26		
Total BTX	<0.300	0.300	05/08/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/08/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75		
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50		

Surrogate: 1-Chlorooctane 67.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.4 % 34.7-157

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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:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: WEST (H701207-25)

BTEx 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36	
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391	
Ethylbenzene*	0.060	0.050	05/08/2017	ND	2.16	108	2.00	0.994	
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26	
Total BTEx	<0.300	0.300	05/08/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/08/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 73.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 92.4 % 34.7-157

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

Received:	05/04/2017	Sampling Date:	05/01/2017
Reported:	05/11/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT AC 13 #5H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SOUTH (H701207-26)

BTEx 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2017	ND	2.29	114	2.00	1.36	
Toluene*	<0.050	0.050	05/08/2017	ND	2.23	111	2.00	0.391	
Ethylbenzene*	0.063	0.050	05/08/2017	ND	2.16	108	2.00	0.994	
Total Xylenes*	<0.150	0.150	05/08/2017	ND	6.38	106	6.00	1.26	
Total BTEX	<0.300	0.300	05/08/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/08/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2017	ND	165	82.4	200	3.75	
DRO >C10-C28	<10.0	10.0	05/06/2017	ND	183	91.5	200	7.50	

Surrogate: 1-Chlorooctane 73.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 97.0 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: BBC International, Inc.		P.O. #:		BILL TO													
Project Manager: Cliff Brunson		Company:		ANALYSIS REQUEST													
Address: P.O. Box 805		Attn:															
City: Hobbs		Address:															
Phone #: 575-397-6388		City:															
Project #: 575-397-0397		State:															
Project Name: GOVERNMENT AC 13 #5H		Zip:															
Project Location: SEEP ORNELAS		Fax #:															
Sampler Name:		PRESERV:															
FOR LAB USE ONLY		SAMPLING															
Lab I.D.		DATE		TIME													
Sample I.D.		TPH		BTX													
H1012D7		CL															
SPIC 1																	
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ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

243

Company Name: BBC International, Inc.		P.O. #:		BILL TO																															
Project Manager: Cliff Brunson		Company:		ANALYSIS REQUEST																															
Address: P.O. Box 805		Attn:																																	
City: Hobbs		Address:																																	
Phone #: 575-397-6388		City:																																	
Project #: 575-397-0397		State: NM zip: 88241																																	
Project Owner: OKY		State: Zip:																																	
Project Name: GOVERNMENT AC 13 #5H		Phone #:																																	
Project Location: IFT DRILLING		Fax #:																																	
Sampler Name:		PRESERV:		SAMPLING																															
FOR LAB USE ONLY		MATRIX		DATE		TIME																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH		BTEX		CL-	
H7D12D7		SP301		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		101		✓		✓		✓	
11		SP301		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		111		✓		✓		✓	
12		SP401		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		120		✓		✓		✓	
13		SP401		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		139		✓		✓		✓	
14		SP401		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		145		✓		✓		✓	
15		SP501		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		160		✓		✓		✓	
16		SP501		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		230		✓		✓		✓	
17		SP501		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		240		✓		✓		✓	
18		SP501		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		255		✓		✓		✓	
19		SP501		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		255		✓		✓		✓	
20		SP501		C1		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		5.1.17		255		✓		✓		✓	
PLEASE NOTE: Laboratory and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Relinquished By: <i>Ryan Brunson</i>		Date: 5-17		Time: 4:52		Received By: <i>Juanita Chalkley</i>		Date: 5-4-17		Time: 4:55		Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <i>TPH</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:		REMARKS:									
Delivered By: (Circle One)		Sampler - UPS - Bus - Other:		Relinquished By:		Date:		Time:		Received By:		Date:		Time:		Sample Condition:		CHECKED BY:		Phone Result:		Add'l Phone #:		Fax Result:		Add'l Fax #:		REMARKS:							
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* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



<u>CHAIN-OF-CUSTODY AND ANALYSIS REQUEST</u>	
ANALYSIS REQUEST	

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

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 April 3, 2017

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 USA WTP LP	Contact	CASEY L SUMMERS
Address	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-513-8289
Facility Name	GOVERNMENT AC 13 FEDERAL #5H	Facility Type	OIL WELL
Surface Owner	BLM	Mineral Owner	BLM
		API No.	30-015-40880

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	13	20S	28E	1980	NORTH	350	WEST	EDDY

Latitude_32.5755501_ Longitude_-104.1384048_ NAD83

NATURE OF RELEASE

Type of Release	OIL & PRODUCED WATER	Volume of Release	30 bbls OIL/5 bbls PW	Volume Recovered	30 bbls
Source of Release	STUFFING BOX PACKING FAILURE	Date and Hour of Occurrence	4-14-2017	Date and Hour of Discovery	4-14-2017
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	MIKE BRATCHER-NMOCD; CRYSTAL WEAVER-NMOCD; SHELLY TUCKER-BLM		
By Whom?	CASEY SUMMERS	Date and Hour	4-17-2017 10:20AM		
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.*

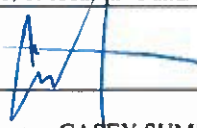
Describe Cause of Problem and Remedial Action Taken.*

LEAK IS DUE TO STUFFING BOX PACKING ON THE WELLHEAD BLOWING OUT. 30 BBLS OF RELEASED FLUID WERE INITIALLY RECOVERED BY VACUUM TRUCK. STUFFIN BOX PACKING HAS BEEN REPLACED.

Describe Area Affected and Cleanup Action Taken.*

THE AFFECTED AREA IS APPROXIMATELY 30' X 30' ON LOCATION (MEASUREMENTS ARE SUBJECT TO CHANGE BASED ON GPS TRACK). REMEDIATION WILL BE COMPLETED IN ACCORDANCE WITH A REMEDIATION PLAN APPROVED BY BOTH NMOCD AND THE BLM.

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: ENVIRONMENTAL ADVISOR	Approval Date:	Expiration Date:	
E-mail Address: casey_summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 4-19-17	Phone: 575-513-8289		