



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

OXY – CYPRESS 34 FEDERAL #1 CTB

REMEDIATION PLAN

OXY will excavate the spill areas as depicted on the following site diagram. There are two spills at this site. The 1/5/16 spill will be excavated to a depth of 1 foot. Additional sampling will be conducted to delineate the chloride and TPH impact near SP3 to find as close to 250 ppm chloride and 1,000 ppm TPH as practicable. This site will be deferred until the battery is closed. The excavated area will be backfilled with clean soil.

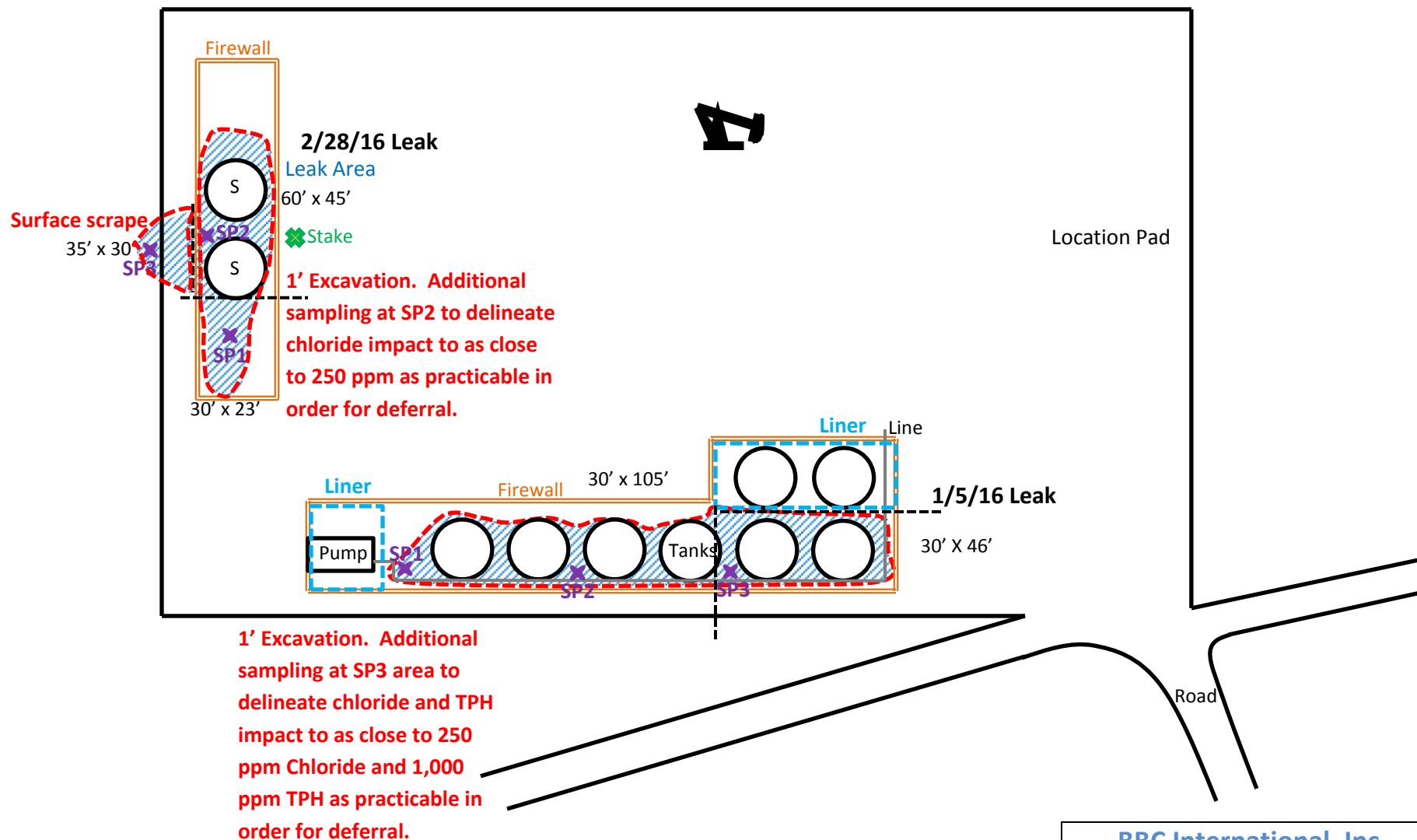
The 2/28/16 spill will be excavated to a depth of 1 foot. Additional sampling will be conducted to delineate the chloride impact near SP2 to find as close to 250 ppm chloride as practicable. This site will be deferred until the battery is closed. The excavated area will be backfilled with clean soil.

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



Oxy

Cypress 34 Federal #1 CTB (1/5/16 and 2/28/16)



U/L P, Section 34, T23S, R29E

Eddy County, NM

GPS at stake: N 32.25508° W 103.96647°

API# 30-015-35053

BBC International, Inc.

Oxy

Cypress 34 Federal #1 CTB

Date: 03/08/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016



Groundwater Plot

Oxy Cypress 34 Federal #1 CTB

County
Eddy County

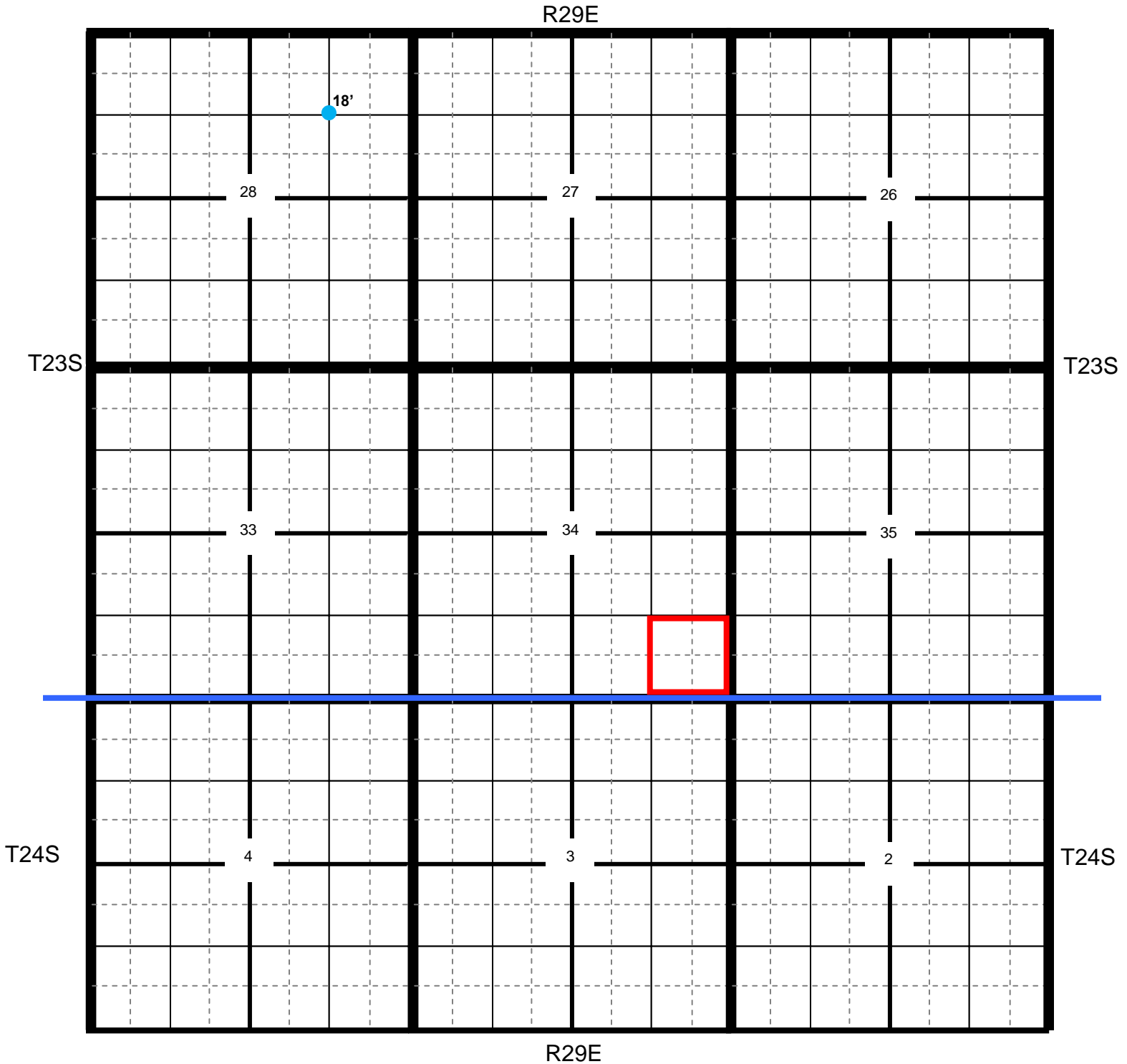
Unit Letter
P

Section
34

Township
23S

Range
29E

Trend Map 75'-100'



Location

OCD

USGS

SEO

All Databases

Oxy Cypress 34 Federal #1 CTB

County Eddy Unit Letter P Section 34 Township 23S Range 29E

Trend Map 75'-100'

1

2

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

3

4

**Laboratory Analytical Results Summary
Cypress 34 Federal #1 CTB (1/5/16 leak)**

		Sample	SP1 @ 1'
Analyte	Method	Date	3/8/16
			mg/Kg
Benzene	BTEX 8021B		<0.100
Toluene	BTEX 8021B		0.512
Ethylbenzene	BTEX 8021B		0.1
Total Xylenes	BTEX 8021B		5.49
Total BTEX	BTEX 8021B		6
Chloride	SM4500Cl-B		8000
GRO	TPH 8015M		223
DRO	TPH 8015M		3690

		Sample	SP2 @ 1'
Analyte	Method	Date	3/8/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		0.62
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		6.13
Total BTEX	BTEX 8021B		6.75
Chloride	SM4500Cl-B		6930
GRO	TPH 8015M		107
DRO	TPH 8015M		2130

		Sample	SP3 @ 1'
Analyte	Method	Date	3/8/16
			mg/Kg
Benzene	BTEX 8021B		<1.00
Toluene	BTEX 8021B		0.323
Ethylbenzene	BTEX 8021B		<0.100
Total Xylenes	BTEX 8021B		4.66
Total BTEX	BTEX 8021B		4.98
Chloride	SM4500Cl-B		5730
GRO	TPH 8015M		190
DRO	TPH 8015M		3270

**Laboratory Analytical Results Summary
Cypress 34 Federal #1 CTB**

		Sample	SP1 @ 1'
Analyte	Method	Date	4/11/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		0.597
Total BTEX	BTEX 8021B		0.63
Chloride	SM4500Cl-B		6130
GRO	TPH 8015M		30.4
DRO	TPH 8015M		1730

		Sample	SP2 @ 2'
Analyte	Method	Date	4/11/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		0.061
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		0.68
Total BTEX	BTEX 8021B		0.741
Chloride	SM4500Cl-B		3720
GRO	TPH 8015M		135
DRO	TPH 8015M		7180

		Sample	SP3 @ 2'
Analyte	Method	Date	4/11/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		0.056
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		0.748
Total BTEX	BTEX 8021B		0.803
Chloride	SM4500Cl-B		4400
GRO	TPH 8015M		123
DRO	TPH 8015M		6430

**Laboratory Analytical Results Summary
Cypress 34 Federal #1 CTB (2/28/16 leak)**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	3/7/16	3/7/16	3/7/16	3/8/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.071	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		336	880	1840	2360
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	20.7	165	104

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	3/7/16	3/7/16	3/7/16	3/8/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	0.051
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		416	768	688	3040
GRO	TPH 8015M		<10.0	<10.0	<10.0	12.5
DRO	TPH 8015M		15.2	<10.0	<10.0	374

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	3/7/16	3/7/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		148	151



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

March 17, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 34 FEDERAL #1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/11/16 13:15.

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.

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:	03/11/2016	Sampling Date:	03/08/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 1 @ 1' (H600542-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	0.512	0.100	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	<0.100	0.100	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	5.49	0.300	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTX	6.00	0.600	03/17/2016	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	03/17/2016	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	223	10.0	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	3690	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 109 % 35-147

Surrogate: 1-Chlorooctadecane 129 % 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:	03/11/2016	Sampling Date:	03/08/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 2 @ 1' (H600542-02)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	0.620	0.050	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	6.13	0.150	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTX	6.75	0.300	03/17/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 176 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	03/17/2016	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	107	10.0	03/15/2016	ND	201	100	200	10.0	
DRO >C10-C28	2130	10.0	03/15/2016	ND	216	108	200	9.28	

Surrogate: 1-Chlorooctane 113 % 35-147

Surrogate: 1-Chlorooctadecane 139 % 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:	03/11/2016	Sampling Date:	03/08/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 3 @ 1' (H600542-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	0.323	0.100	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	<0.100	0.100	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	4.66	0.300	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTX	4.98	0.600	03/17/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5730	16.0	03/17/2016	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	190	10.0	03/15/2016	ND	201	100	200	10.0	
DRO >C10-C28	3270	10.0	03/15/2016	ND	216	108	200	9.28	

Surrogate: 1-Chlorooctane 123 % 35-147

Surrogate: 1-Chlorooctadecane 153 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

April 21, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 34 FEDERAL #1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/14/16 9:15.

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.

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:	04/14/2016	Sampling Date:	04/11/2016
Reported:	04/21/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	01/05/16 LEAK	Sample Received By:	Celey D. Keene
Project Location:	SOUTH 128		

Sample ID: SP1 @ 1' (H600814-01)

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	04/14/2016	ND	1.99	99.4	2.00	3.92	
Toluene*	<0.050	0.050	04/14/2016	ND	1.91	95.6	2.00	3.23	
Ethylbenzene*	<0.050	0.050	04/14/2016	ND	1.74	87.2	2.00	1.99	
Total Xylenes*	0.597	0.150	04/14/2016	ND	5.28	88.0	6.00	2.25	
Total BTX	0.630	0.300	04/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6130	16.0	04/18/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	30.4	10.0	04/14/2016	ND	178	89.0	200	12.3		
DRO >C10-C28	1730	10.0	04/14/2016	ND	206	103	200	16.0		QM-07

Surrogate: 1-Chlorooctane 98.2 % 35-147

Surrogate: 1-Chlorooctadecane 192 % 28-171

Cardinal Laboratories

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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:	04/14/2016	Sampling Date:	04/11/2016
Reported:	04/21/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	01/05/16 LEAK	Sample Received By:	Celey D. Keene
Project Location:	SOUTH 128		

Sample ID: SP2 @ 2' (H600814-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2016	ND	1.99	99.4	2.00	3.92	
Toluene*	0.061	0.050	04/14/2016	ND	1.91	95.6	2.00	3.23	
Ethylbenzene*	<0.050	0.050	04/14/2016	ND	1.74	87.2	2.00	1.99	
Total Xylenes*	0.680	0.150	04/14/2016	ND	5.28	88.0	6.00	2.25	
Total BTX	0.741	0.300	04/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3720	16.0	04/18/2016	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	135	10.0	04/14/2016	ND	178	89.0	200	12.3	
DRO >C10-C28	7180	10.0	04/14/2016	ND	206	103	200	16.0	

Surrogate: 1-Chlorooctane 110 % 35-147

Surrogate: 1-Chlorooctadecane 204 % 28-171

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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:	04/14/2016	Sampling Date:	04/11/2016
Reported:	04/21/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	01/05/16 LEAK	Sample Received By:	Celey D. Keene
Project Location:	SOUTH 128		

Sample ID: SP3 @ 2' (H600814-03)

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	04/14/2016	ND	1.99	99.4	2.00	3.92		
Toluene*	0.056	0.050	04/14/2016	ND	1.91	95.6	2.00	3.23		
Ethylbenzene*	<0.050	0.050	04/14/2016	ND	1.74	87.2	2.00	1.99		
Total Xylenes*	0.748	0.150	04/14/2016	ND	5.28	88.0	6.00	2.25		
Total BTEX	0.803	0.300	04/14/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	04/18/2016	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	123	10.0	04/14/2016	ND	178	89.0	200	12.3	
DRO >C10-C28	6430	10.0	04/14/2016	ND	206	103	200	16.0	

Surrogate: 1-Chlorooctane 108 % 35-147

Surrogate: 1-Chlorooctadecane 194 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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



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

March 17, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 34 FEDERAL #1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/11/16 13:15.

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.

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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 1 @ 1' (H600541-01)

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	03/16/2016	ND	2.03	102	2.00	1.63	
Toluene*	0.071	0.050	03/16/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/16/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/16/2016	ND	5.30	88.4	6.00	1.65	
Total BTX	<0.300	0.300	03/16/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/17/2016	ND	432	108	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 82.7 % 35-147

Surrogate: 1-Chlorooctadecane 89.7 % 28-171

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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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 1 @ 2' (H600541-02)

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	03/16/2016	ND	2.03	102	2.00	1.63		
Toluene*	<0.050	0.050	03/16/2016	ND	1.96	98.1	2.00	2.12		
Ethylbenzene*	<0.050	0.050	03/16/2016	ND	1.75	87.4	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/16/2016	ND	5.30	88.4	6.00	1.65		
Total BTEX	<0.300	0.300	03/16/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	03/17/2016	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/14/2016	ND	220	110	200	4.67		
DRO >C10-C28	20.7	10.0	03/14/2016	ND	236	118	200	7.31		

Surrogate: 1-Chlorooctane 81.5 % 35-147

Surrogate: 1-Chlorooctadecane 84.4 % 28-171

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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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 1 @ 3' (H600541-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2016	ND	2.03	102	2.00	1.63		
Toluene*	<0.050	0.050	03/16/2016	ND	1.96	98.1	2.00	2.12		
Ethylbenzene*	<0.050	0.050	03/16/2016	ND	1.75	87.4	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/16/2016	ND	5.30	88.4	6.00	1.65		
Total BTX	<0.300	0.300	03/16/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	03/17/2016	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	165	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 90.9 % 35-147

Surrogate: 1-Chlorooctadecane 84.6 % 28-171

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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:	03/11/2016	Sampling Date:	03/08/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 1 @ 4' (H600541-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2016	ND	2.03	102	2.00	1.63		
Toluene*	<0.050	0.050	03/16/2016	ND	1.96	98.1	2.00	2.12		
Ethylbenzene*	<0.050	0.050	03/16/2016	ND	1.75	87.4	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/16/2016	ND	5.30	88.4	6.00	1.65		
Total BTX	<0.300	0.300	03/16/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	03/17/2016	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	104	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 98.4 % 35-147

Surrogate: 1-Chlorooctadecane 89.4 % 28-171

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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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 2 @ 1' (H600541-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2016	ND	2.03	102	2.00	1.63	
Toluene*	<0.050	0.050	03/16/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/16/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/16/2016	ND	5.30	88.4	6.00	1.65	
Total BTX	<0.300	0.300	03/16/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/17/2016	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	15.2	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 93.4 % 35-147

Surrogate: 1-Chlorooctadecane 88.7 % 28-171

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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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 2 @ 2' (H600541-06)

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	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	<0.050	0.050	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	<0.150	0.150	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEx	<0.300	0.300	03/17/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	03/17/2016	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	<10.0	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 93.9 % 35-147

Surrogate: 1-Chlorooctadecane 91.1 % 28-171

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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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 2 @ 3' (H600541-07)

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	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	<0.050	0.050	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	<0.150	0.150	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTEx	<0.300	0.300	03/17/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	03/17/2016	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	<10.0	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 89.9 % 35-147

Surrogate: 1-Chlorooctadecane 80.0 % 28-171

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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:	03/11/2016	Sampling Date:	03/08/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 2 @ 4' (H600541-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2016	ND	1.97	98.6	2.00	1.09	
Toluene*	0.051	0.050	03/17/2016	ND	1.89	94.4	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/17/2016	ND	1.66	83.1	2.00	2.82	
Total Xylenes*	<0.150	0.150	03/17/2016	ND	5.13	85.5	6.00	2.14	
Total BTX	<0.300	0.300	03/17/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	03/17/2016	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	12.5	10.0	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	374	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 90.6 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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Analytical Results For:

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

Received:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 3 @ 1' (H600541-09)

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	03/17/2016	ND	1.97	98.6	2.00	1.09		
Toluene*	<0.050	0.050	03/17/2016	ND	1.89	94.4	2.00	2.12		
Ethylbenzene*	<0.050	0.050	03/17/2016	ND	1.66	83.1	2.00	2.82		
Total Xylenes*	<0.150	0.150	03/17/2016	ND	5.13	85.5	6.00	2.14		
Total BTEx	<0.300	0.300	03/17/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/17/2016	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	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	148	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 92.4 % 35-147

Surrogate: 1-Chlorooctadecane 85.1 % 28-171

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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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/17/2016	Sampling Type:	Soil
Project Name:	CYPRESS 34 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SOUTH 128		

Sample ID: SP 3 @ 2' (H600541-10)

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	03/17/2016	ND	1.97	98.6	2.00	1.09		
Toluene*	<0.050	0.050	03/17/2016	ND	1.89	94.4	2.00	2.12		
Ethylbenzene*	<0.050	0.050	03/17/2016	ND	1.66	83.1	2.00	2.82		
Total Xylenes*	<0.150	0.150	03/17/2016	ND	5.13	85.5	6.00	2.14		
Total BTEx	<0.300	0.300	03/17/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/17/2016	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	03/15/2016	ND	219	109	200	10.7	
DRO >C10-C28	151	10.0	03/15/2016	ND	239	119	200	13.3	

Surrogate: 1-Chlorooctane 96.8 % 35-147

Surrogate: 1-Chlorooctadecane 91.5 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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
State: NM Zip: 88241
Phone #: 575-397-6388 Fax #: 575-397-0397
Project #:
Project Name: CYPRESS 34 Fed 1 CTB(2.28-16)
Project Location:
Sample Name:
P.O. #:
Company:
Attn: CEELEY SUMMERS
Address:
City:
State: Zip:
Phone #:
Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		DATE	TIME	ANALYSIS REQUEST									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :										
H100541	SP1 @ 1' V	G 1	1										3-7-16	1011	✓	✓	✓	✓	✓	✓	✓	✓
	@ 2' V	G 1	1										3-7-16	1045	✓	✓	✓	✓	✓	✓	✓	✓
	@ 3' V	G 1	1										3-7-16	1150	✓	✓	✓	✓	✓	✓	✓	✓
	@ 4' V	G 1	1										3-8-16	940	✓	✓	✓	✓	✓	✓	✓	✓
	SP2 @ 1' V	G 1	1										3-2-16	120	✓	✓	✓	✓	✓	✓	✓	✓
	@ 2' V	G 1	1										3-2-16	143	✓	✓	✓	✓	✓	✓	✓	✓
	@ 3' V	G 1	1										3-2-16	211	✓	✓	✓	✓	✓	✓	✓	✓
	@ 4' V	G 1	1										3-2-16	1008	✓	✓	✓	✓	✓	✓	✓	✓
	SP3 @ 1' V	G 1	1										3-2-16	308	✓	✓	✓	✓	✓	✓	✓	✓
	@ 2' V	G 1	1										3-2-16	530	✓	✓	✓	✓	✓	✓	✓	✓

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Relinquished By: <i>Page Hernandez</i>	Date: 3-10-16	Time: 3:30pm	Received By: <i>Lee Jensen</i>	Sample Condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>Lee Jensen</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Delivered By: (Circle One)	Date: 3/11/16	Time: 1:15	Received By: <i>Lee Jensen</i>	Cool - <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact - <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Sampler - UPS - Bus - Other:							

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

-1.82 #54

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

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	Cypress 34 Federal #1 CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-35053

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	34	23S	29E					Eddy County, NM

Latitude N 32.25497° Longitude W 103.96603°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	15 bbls oil, 25 bbls produced water	Volume Recovered	36 bbls
Source of Release	Head switch was full of trash and failed causing a tank spill	Date and Hour of Occurrence	01/05/2016	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?	Mike Bratcher, Kelly Jones-NMOCD		
By Whom?	Jennifer Gilkey @ BBC International	Date and Hour	01/05/2016 @ 4:55 pm		
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.*

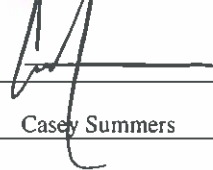
Describe Cause of Problem and Remedial Action Taken.*

A head switch full of trash failed causing a tank to spill 15 bbls of oil and 25 bbls of produced water onto the ground. A vacuum truck recovered 36 bbls of fluids and the head switch was cleaned out.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 150' x 60' on location around the tanks inside the containment. Remediation will be completed in accordance with a remediation plan approved by 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: 		<u>OIL CONSERVATION DIVISION</u>	
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:	
Date: 1-14-16 Phone: (575) 513-8289		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

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	Cypress 34 Federal #1CTB	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	API No. 30-015-35053

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	34	23S	29E	460	South	660	East	Eddy

Latitude N 32.25508° Longitude W 103.96647°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	10 bbls oil, 10 bbls produced water	Volume Recovered	15 bbls
Source of Release	A dump line clog forced fluids to spill out of the test heater	Date and Hour of Occurrence	02/28/2016	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Kathy @BBC International.com	Date and Hour	03/02/2016 @ 11:37 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.*

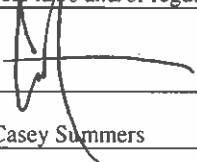
Describe Cause of Problem and Remedial Action Taken.*

A dump line clog forced 10 bbls of oil and 10 bbls of produced water to spill out of the test heater. A vacuum truck recovered 15 bbls of fluids and the dump line was unclogged.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 90' x 45' on location inside containment. Remediation will be completed in accordance with a remediation plan approved by 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:	NM Environmental Advisor	Approval Date:		Expiration Date:	
E-mail Address:	Casey.Summers@oxy.com	Conditions of Approval:			Attached <input type="checkbox"/>
Date:	3-9-16	Phone:		(575) 513-8289	

* Attach Additional Sheets If Necessary