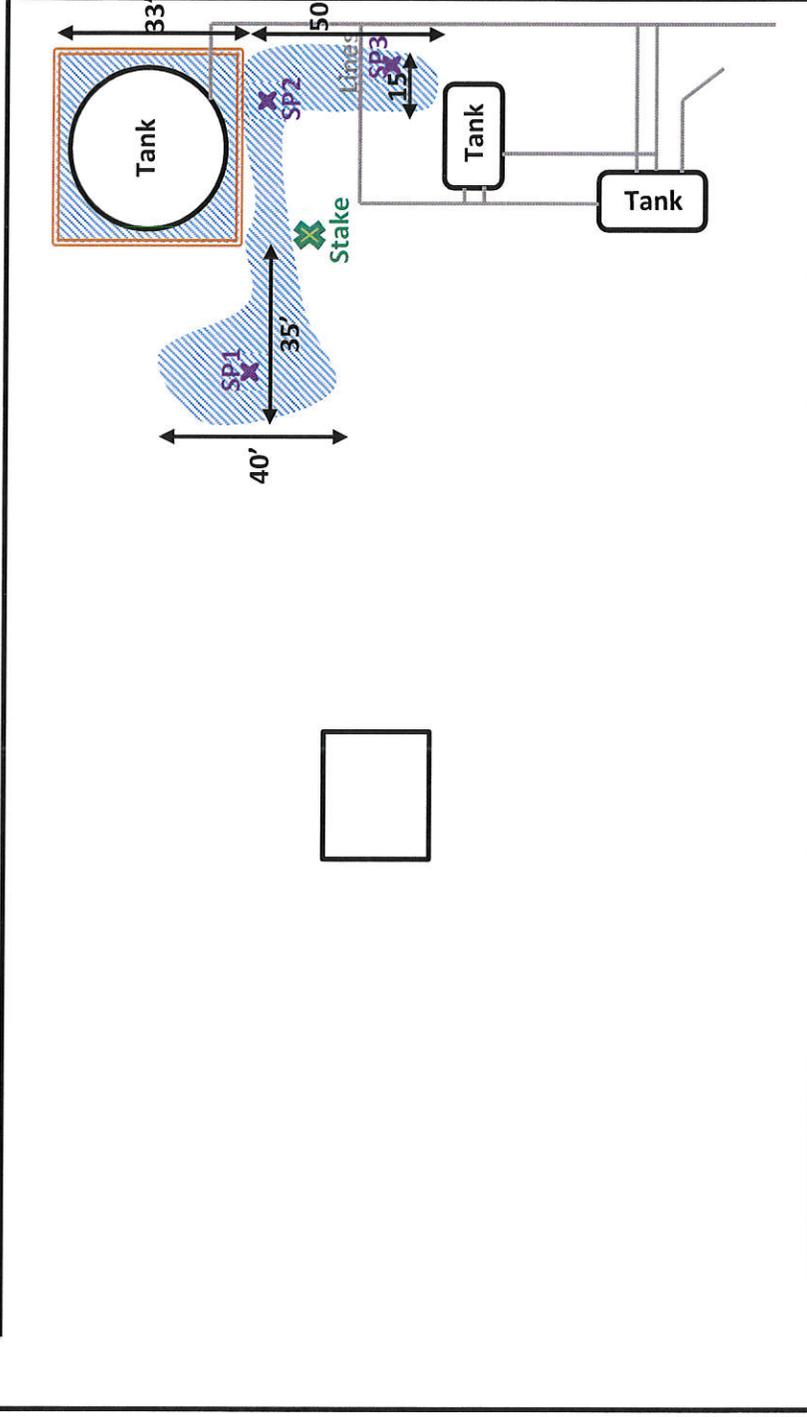




Oxy

Cypress 28 Federal #3H Battery



U/L D, Section 28, T23S, R29E
Eddy County, NM
N 32.28217° W 103.99788°

BBC International, Inc.	
Oxy	
Cypress 28 Federal #3H Battery	
Date: 04/22/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014

Groundwater Plot

Oxy Cypress 28 Federal #3H

County
Eddy

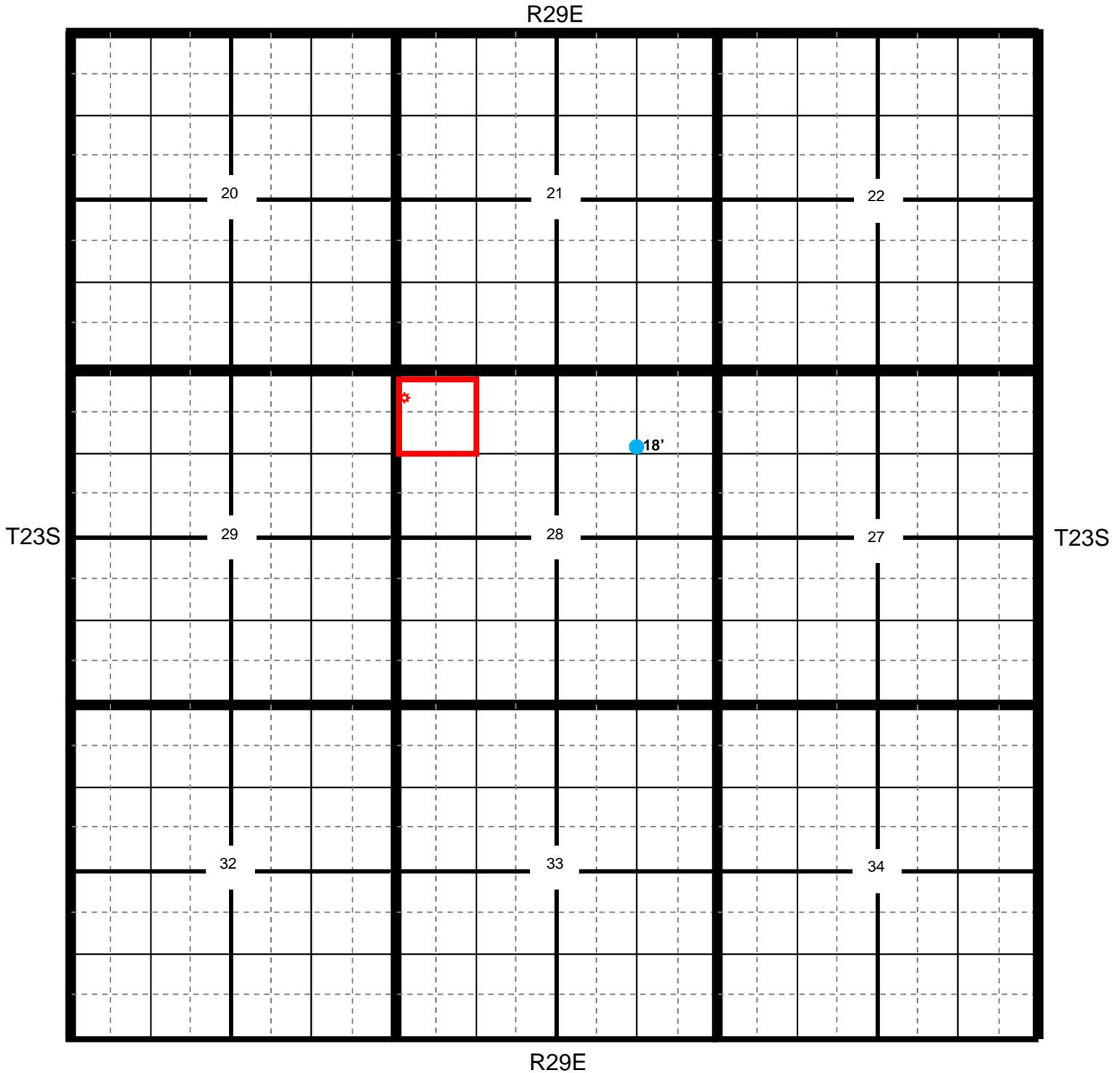
Unit Letter
D

Section
28

Township
23S

Range
29E

Trend Map 50'



📍 Location

● OCD

● USGS

● SEO

● All Databases

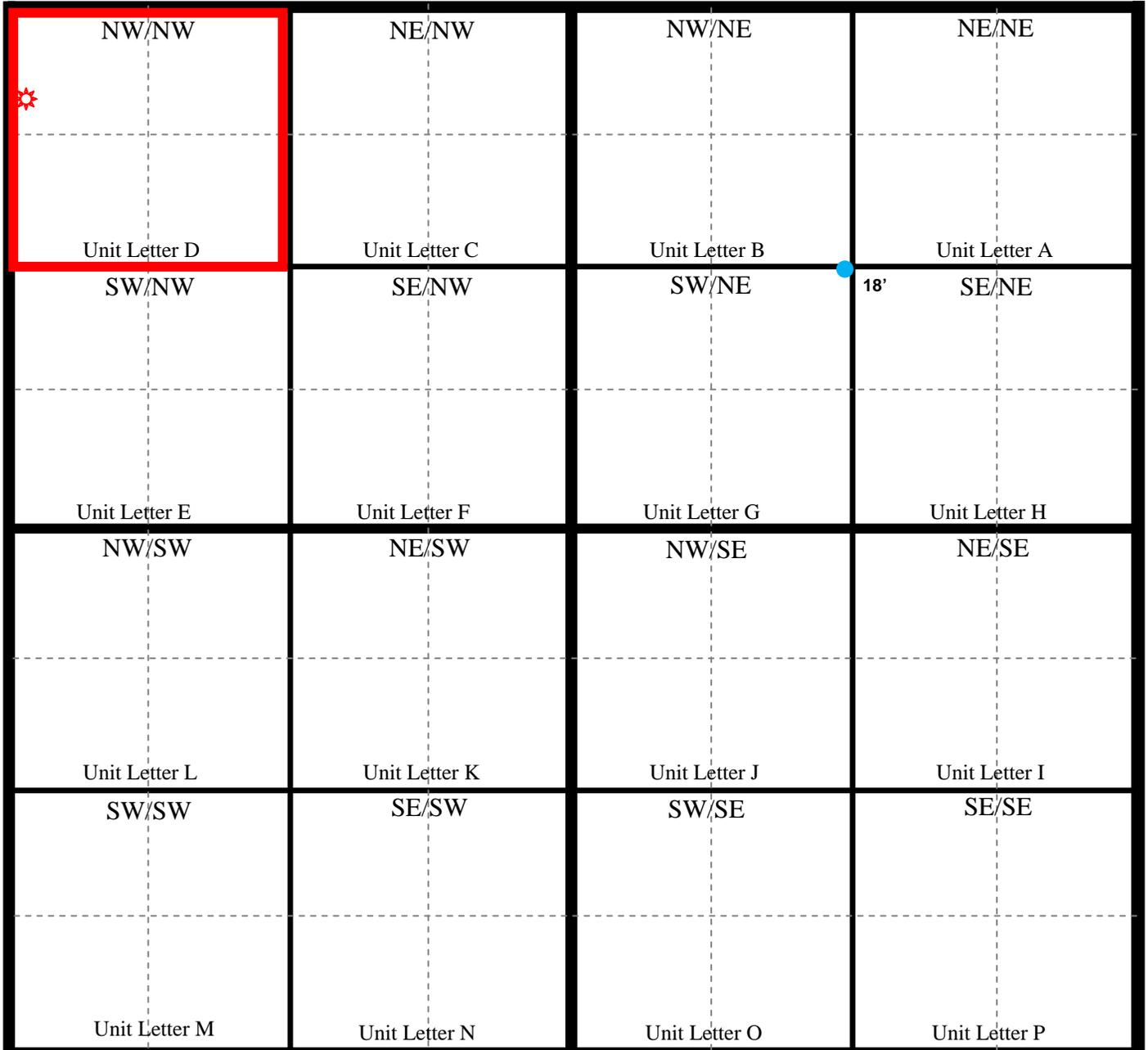
Oxy Cypress 28 Federal #3H

County Eddy Unit Letter D Section 28 Township T23S Range R29E

Trend Map 50'

1

2



3

4

Laboratory Analytical Results Summary
Cypress 28 Federal #3H

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	5/14/14	5/14/14	5/14/14	5/14/14	5/14/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.584	<0.500	<0.200	<0.050	<0.050
Toluene	BTEX 8021B		12.2	7.35	1.33	<0.050	<0.050
Ethylbenzene	BTEX 8021B		15.8	15.2	4.1	0.05	<0.050
Total Xylenes	BTEX 8021B		64.8	64.8	16.7	<0.150	<0.150
Total BTEX	BTEX 8021B		93.4	84.5	22.2	<0.300	<0.300
Chloride	SM4500Cl-B		528	208	144	80	80
GRO	TPH 8015M		1850	1940	624	<10.0	<10.0
DRO	TPH 8015M		12900	12000	6060	<10.0	16.9

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	5/14/14	5/14/14	5/14/14	5/14/14	5/14/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.1	1.11	0.051	<0.050	<0.050
Toluene	BTEX 8021B		16.8	17	1.22	0.092	0.08
Ethylbenzene	BTEX 8021B		17.9	20.8	2.83	0.279	0.115
Total Xylenes	BTEX 8021B		77.5	77.6	9.49	0.864	0.616
Total BTEX	BTEX 8021B		113	116	13.6	1.24	0.81
Chloride	SM4500Cl-B		960	320	272	448	96
GRO	TPH 8015M		1550	1740	308	35	10
DRO	TPH 8015M		8620	8590	4110	1440	23.3

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	5/15/14	5/15/14	5/15/14	5/15/14	5/15/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.57	2.15	<1.00	<0.050	<0.050
Toluene	BTEX 8021B		46.8	48.6	26.3	<0.050	0.675
Ethylbenzene	BTEX 8021B		62.5	54.5	32.8	0.071	0.648
Total Xylenes	BTEX 8021B		301	261	153	0.274	3.98
Total BTEX	BTEX 8021B		412	367	212	0.345	5.3
Chloride	SM4500Cl-B		192	192	64	32	80
GRO	TPH 8015M		10000	8750	4520	<10.0	40.1
DRO	TPH 8015M		50500	42700	22200	31.4	73.2



May 27, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 28 FED #3H

Enclosed are the results of analyses for samples received by the laboratory on 05/16/14 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 1 @ 1' (H401509-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.584	0.200	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	12.2	0.200	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	15.8	0.200	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	64.8	0.600	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	93.4	1.20	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/22/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1850	100	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	12900	100	05/23/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 194 % 65.2-140
Surrogate: 1-Chlorooctadecane 341 % 63.6-154

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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 1 @ 2' (H401509-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	7.35	0.500	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	15.2	0.500	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	64.8	1.50	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	87.5	3.00	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/22/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1940	100	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	12000	100	05/23/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 205 % 65.2-140

Surrogate: 1-Chlorooctadecane 319 % 63.6-154

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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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 1 @ 3' (H401509-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	1.33	0.200	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	4.10	0.200	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	16.7	0.600	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	22.2	1.20	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/22/2014	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	624	10.0	05/22/2014	ND	201	101	200	7.89		
DRO >C10-C28	6060	10.0	05/22/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 191 % 65.2-140

Surrogate: 1-Chlorooctadecane 198 % 63.6-154

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Received:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 1 @ 4' (H401509-04)

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	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	0.050	0.050	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	<0.300	0.300	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/22/2014	ND	416	104	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	05/22/2014	ND	201	101	200	7.89	
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	224	112	200	10.1	

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Received:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 1 @ 5' (H401509-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	<0.050	0.050	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	<0.300	0.300	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/22/2014	ND	416	104	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	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	16.9	10.0	05/23/2014	ND	224	112	200	10.1	

Surrogate: 1-Chlorooctane 114 % 65.2-140
Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 2 @ 1' (H401509-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.10	0.500	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	16.8	0.500	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	17.9	0.500	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	77.5	1.50	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	113	3.00	05/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/22/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1550	100	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	8620	100	05/23/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 171 % 65.2-140

Surrogate: 1-Chlorooctadecane 238 % 63.6-154

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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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 2 @ 2' (H401509-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.11	0.200	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	17.0	0.200	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	20.8	0.200	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	77.6	0.600	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTEX	116	1.20	05/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 461 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/22/2014	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	1740	10.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	8590	10.0	05/23/2014	ND	224	112	200	10.1	

Surrogate: 1-Chlorooctane 227 % 65.2-140

Surrogate: 1-Chlorooctadecane 233 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 2 @ 3' (H401509-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.051	0.050	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	1.22	0.050	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	2.83	0.050	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	9.49	0.150	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTEX	13.6	0.300	05/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/22/2014	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	308	10.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	4110	10.0	05/23/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 151 % 65.2-140

Surrogate: 1-Chlorooctadecane 171 % 63.6-154

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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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 2 @ 4' (H401509-09)

BTEX 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	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	0.092	0.050	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.279	0.050	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	0.864	0.150	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTEX	1.24	0.300	05/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 167 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/22/2014	ND	416	104	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	35.0	10.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	1440	10.0	05/23/2014	ND	224	112	200	10.1	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 126 % 63.6-154

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

Received:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 2 @ 5' (H401509-10)

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	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	0.080	0.050	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.115	0.050	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	0.616	0.150	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTEX	0.810	0.300	05/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/22/2014	ND	416	104	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	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	23.3	10.0	05/23/2014	ND	224	112	200	10.1	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 3 @ 1' (H401509-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.57	1.00	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	46.8	1.00	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	62.5	1.00	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	301	3.00	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	412	6.00	05/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/22/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	10000	100	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	50500	100	05/23/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 733 % 65.2-140

Surrogate: 1-Chlorooctadecane 1290 % 63.6-154

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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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 3 @ 2' (H401509-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.15	1.00	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	48.6	1.00	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	54.5	1.00	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	261	3.00	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	367	6.00	05/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/22/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	8750	50.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	42700	50.0	05/23/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 627 % 65.2-140

Surrogate: 1-Chlorooctadecane 1160 % 63.6-154

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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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 3 @ 3' (H401509-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	26.3	1.00	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	32.8	1.00	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	153	3.00	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	212	6.00	05/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/22/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	4520	50.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	22200	50.0	05/23/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 286 % 65.2-140

Surrogate: 1-Chlorooctadecane 554 % 63.6-154

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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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 3 @ 4' (H401509-14)

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	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	<0.050	0.050	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.071	0.050	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	0.274	0.150	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	0.345	0.300	05/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/22/2014	ND	400	100	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	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	31.4	10.0	05/23/2014	ND	224	112	200	10.1	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Analytical Results For:

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

Received:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

Sample ID: SP 3 @ 5' (H401509-15)

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	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	0.675	0.050	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.648	0.050	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	3.98	0.150	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	5.30	0.300	05/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/22/2014	ND	400	100	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	40.1	10.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	73.2	10.0	05/23/2014	ND	224	112	200	10.1	

Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/12

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:			
Address: P.O. Box 805		Attn:			
City: Hobbs		Address: JMC			
Phone #: 575-397-6388		City: JMC			
Fax #: 575-397-0397		State: Zip:			
Project #:		Project Owner: DXY			
Project Name: Cypress 28 Federal 34		State: Zip:			
Project Location: Rawhide Rd		Phone #:			
Sample Name: 1011 Samples		Fax #:			
FOR LAB USE ONLY		PRESERV		SAMPLING	
Lab I.D. Sample I.D.		MATRIX		DATE	
H401529		(G) GRAB OR (C) OMP.		TIME	
11		# CONTAINERS		5/15 952	
12		GROUNDWATER		10/26	
13		WASTEWATER		10/55	
14		SOIL		11/29	
15		OIL		11/59	
		SLUDGE			
		OTHER:			
		ACID/BASE:			
		ICE / COOL			
		OTHER:			
				CL ⁻	
				TPH	
				BTEX	

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Relinquished By: [Signature] Date: 5/11/14 Received By: [Signature] Date: 14:25 [Signature] JMC

Delivered By: (Circle One) UPS Bus Other: -70

Sample Condition: Cool Intact Yes No No

CHECKED BY: [Signature]

Phone Result: Yes No Add'l Phone #: []

Fax Result: Yes No Add'l Fax #: []

REMARKS: #54

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Cypress 28 Federal #3H Battery	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		API No. 30-015-38287 (nearest well)	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	28	23S	29E					Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	40 bbls oil, 20 bbls produced water	Volume Recovered	50 bbls
Source of Release	Internal corrosion on 2" steel transfer line off the back of skim tank	Date and Hour of Occurrence	04/14/14	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-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	04/14/14 @ 3:39 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.*
Internal corrosion on a 2" steel transfer line off the back of the skim tank caused 40 bbls of oil and 20 bbls of produced water to leak onto the ground. A vacuum truck recovered 50 bbls of fluids and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 30'x 30' on location. Remediation will be performed in accordance with a plan approved by NMOCD and 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: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 4-15-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary