Closure Report 2PP-2271

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NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 1 2 2014

	Site Description	RECEIVED
Site Name:	Cypress 28 Federal #3H Battery	
Company:	Oxy Permian Ltd.	
Legal Description:	U/L D, Section 28, T23S, R29E	
County:	Eddy County, NM	
GPS Coordinates:	N 32.28217° W 103.99788°	

Release Data

Date of Release:	04/14/2014
Type of Release:	Oil and produced water
Source of Release:	Internal corrosion on 2" steel transfer line
Volume of Release:	40 bbls oil and 20 bbls produced water
Volume Recovered:	50 bbls total

	Remediatio	n Specifications					
Remediation Parameters:	SP3. The area a	epth of 4 feet in the area of SP1, SP2, and around the round tank is lines and bermed and il will be removed and replaced. Backfill all n clean soil.					
Remediation Activities:	Remediation Activities: 07/24/2014 to 08/05/2014						
Plan Sent to OCD:	06/26/2014	Email from Cliff Brunson to Mike Bratcher					
OCD Approval of Plan:	06/30/2014	Email from Mike Bratcher to Cliff Brunson					
Plan Sent to BLM:	06/26/2014	Email from Cliff Brunson to J. Van Curen					
BLM Approval of Plan:	06/30/2014	Verbal approval from J. Van Curen in Mtg					

	Supporting Documentation
Initial C-141	Signed 04/15/2014
Final C-141	Signed 08/07/2014
Site Diagram	April 2014
Groundwater Plot	50'
TOPO Maps	April 2014
Lab Summary	05/14/2014 to 05/15/2014
Lab Analysis	05/14/2014 to 05/15/2014
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

08/08/2014

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State of New Mexico Energy Minerals and Natural Resources

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

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

1220 S. St. Frar	icis Dr., Sant	a Fe, NM 8750:	5	S	anta F	e, NM 875	505		side of form
			Rele	ease Notifi	catio	n and Co	orrective A	ction	
						OPERA	FOR _	🛛 Initi	al Report 🔲 Final Report
		Oxy Permia					CJ Summers		
		tanolind Rd,	<u> </u>			Telephone I		-8216	
Facility Nat	me Cypr	ess 28 Feder	al #3H B	attery		Facility Typ	e Gathering		
Surface Ow	mer BLM	1		Mineral (Dwner		·	API No	. 30-015-38287 (nearest well)
					- 10	N OF RE	LEASE		
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	East/West Line	County
	28	235	29E						Eddv
	4	· · · · · · · · · · · · · · · · · · ·		.atitude	<u> </u>	Longitu	de		· · · · · · · · · · · · · · · · · · ·
				NAT	TURF	OF REL	EASE		
Type of Rele	ase Oil a	nd Produced v	vater			Volume of		ls oil, Volume I	Recovered 50 bbls
				- <u></u>			duced water		
back of skim	tank		on 2" stee	l transfer line off	the	04/14/14	lour of Occurrenc	Date and	Hour of Discovery
Was Immedi	ate Notice (Yes 🔽	No 🗍 Not R	eauired	If YES, To Mike Brate		nnifer Van Curen-I	BLM
D . W/h	V - 4 D	•							
Was a Water		vis, BBC Inte	rnational				lour 04/14/14 @		
was a water	course Read		Yes 🛛	No		11123, V	nume impacting t	the watercourse.	
If a Watercou	irse was Im	pacted, Descri	ibe Fully.*	κ,					ļ
Describe Co		em and Remed		· T-1 *	<u> </u>				
Describe Cat	ise of Proble	em and Kemed		Taken."					
				he back of the ski line was repaired			s of oil and 20 bb	ls of produced wat	er to leak onto the ground, A
Describe Are	a Affected a	and Cleanup A	iction Tak	en,⊤					د د
The affected	arca is appr	oximately 30'	x 30' on la	ocation. Remedia	ation wi	ill be performe	d in accordance v	with a plan approve	d by NMOCD and BLM.
									uant to NMOCD rules and
									eases which may endanger
public health	or the envir	conment. The	acceptanc	e of a C-141 repo	ort by th	te NMOCD m	arked as "Final Re	eport" does not reli	eve the operator of liability , surface water, human health
or the enviror	ment. In a	ddition. NMO	CD accen	investigate and r tance of a C-141	report c	loes not reliev	e the operator of r	ear to ground water	mpliance with any other
federal, state,					tepoire		e une operator or i	esponsionity for ex	shiphatoe with any outer
		T					OIL CONS	SERVATION	DIVISION
G	<u></u>)					
Signature:			C				~ . ~ .		
Printed Name	: Chance	y Summers				Approved by	District Supervise	or: 	
Title: HES	Specialist					Approval Dat	e:	Expiration 1	Date:
E-mail Addre		cey.Summers(a)oxy.com	l		Conditions of	Approval:		Attached
Date: 7	1-15-1	9	Pho	ne: (575) 397-82	16				

* Attach Additional Sheets If Necessary

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State of New Mexico Energy Minerals and Natural Resources

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

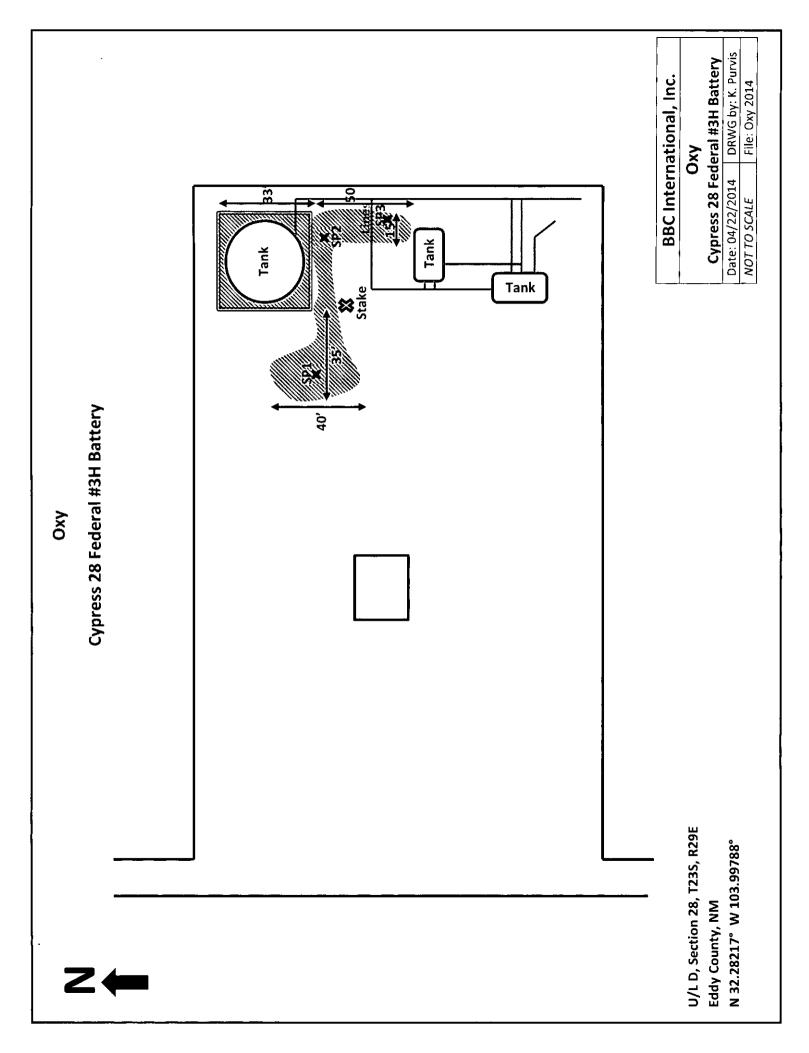
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Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

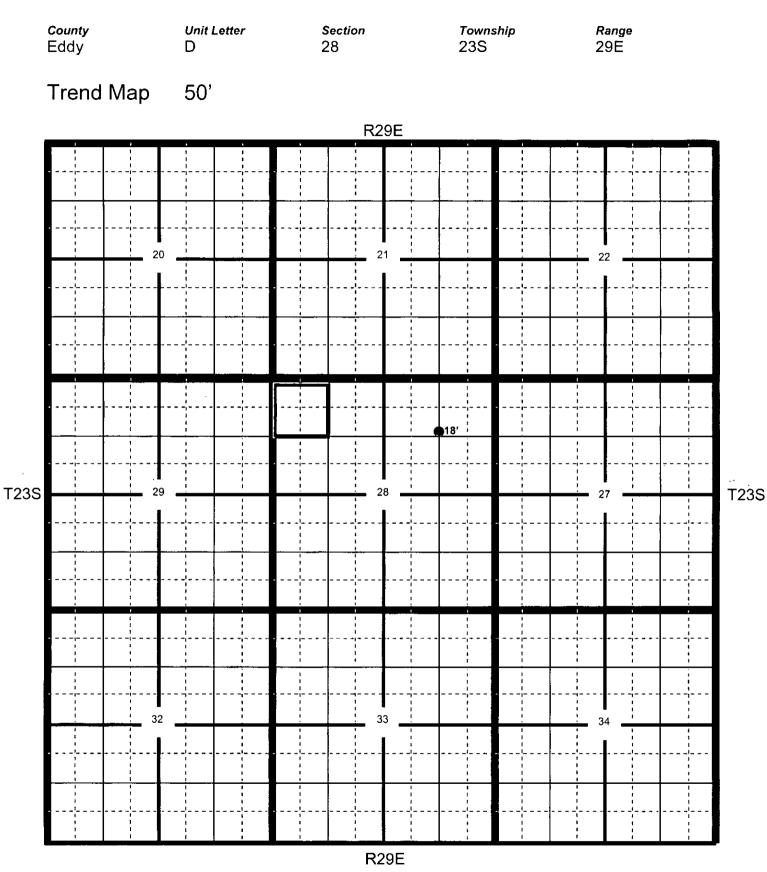
1220 5, 5t, F141		a 1.6, 14191 8730.		Sa	anta F	e, NM 875	05					side of form
			Rele	ease Notifi	catio	n and Co	orrective A	ction				
						OPERA	TOR	Г] Initi	al Report	\boxtimes	Final Report
Name of Co	ompany	Oxy Permia	n Ltd.				J Summers					
Address		tanolind Rd,		NM		Telephone I	No. (575) 397	7-8216				-
Facility Nat	me Cypr	ess 28 Feder	al #3H B	attery		Facility Typ	e Gathering			·	· · · ·	
Surface Ow	mer BLN	1	·····	Mineral C	Dwner				API No	. 30-015-3	8287 (nearest well)
				LOCA	ATIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	East/We	st Line	County		
	28	235	29E							Edder		
	20	238	L							Eddy		
			1	Latitude <u>N 32.2</u>	<u>8217°</u>	Longitu	(de <u>W 103.9978</u>	<u>88°</u>				
				NAT	URE	OF REL	EASE					
Type of Rele	ase Oil a	nd Produced v	vater			Volume of		ols oil, V	/olume l	Recovered	50 bbl	5
Source of D	lanca Int-	nal anna sica	on 211 at	transfer line off	the		sduced water		Jota on 1	Hour of Dis		· .
back of skim		nai corrosion	on Z'' stee	a transfer line off	uie	04/14/14	Iour of Occurrence		Jate and	HOUT OF DIS	covery	
Was Immedi						If YES, To						
			Yes 🗋] No 🔲 Not Re	equired	Mike Brate	her-NMOCD; Je	nnifer Van	I Curen-J	BLM ·		
By Whom?		vis, BBC Inte	rnational			Date and H	lour 04/14/14 (@ 3:39 pm		•	•	
Was a Water	course Read		v	- 		If YES, Vo	olume Impacting	the Waterc	NM O	IL CONS	ERV	ATION
			Yes 🛛						14117	ARTESIA D	ISTRIC	тт
If a Watercou	urse was Im	pacted, Descri	ibe Fully.*	ĸ						AUG 12	201	4
)										nou I -		·
											משער	
Describe Cau	se of Probl	em and Remo	tial Action	n Taken *						RECE		
				he back of the ski			s of oil and 20 bb	ols of produ	aced wat	er to leak on	to the g	ground. A
vacuum truck	c recovered	50 bbls of flu	ids and the	e line was repaired	d or rep	laced.						
Describe Are	a Affected	and Cleanup A	Action Tak	(en.*								
The effected			201 1							1	J L., N.A	(f)Dur tala ar
				ocation. Remedia red by Jennifer Va				n the remed	diation r	lan approve	а бу м	ike Bratcher
				-								
				is true and comp								
				id/or file certain r e of a C-141 repo								
				investigate and r								
or the enviror	nment. In a	dditio <u>n N</u> MO	CD accep	tance of a C-141								
federal, state,	or local lay	vs and/or regu	lations.									
	(<		+	~~~			OIL CON	SEKVA	TIUN	DIVISIC	<u>/IN</u>	
Signature:			\sim	*								
Printed Name	: Chance	y Summers				Approved by	District Supervis	or:				
					1	·····		·				
Title: HES	Specialist					Approval Dat	e:		piration			
E-mail Addre	ss: Chan	cey.Summers(@oxy.com	<u> </u>		Conditions of	Approval:			Attached		
Date: X-7	7-14		Pho	ne: (575) 397-821	16						_	
		ts If Necessa			<u> </u>					_!		





Groundwater Plot

Oxy Cypress 28 Federal #3H

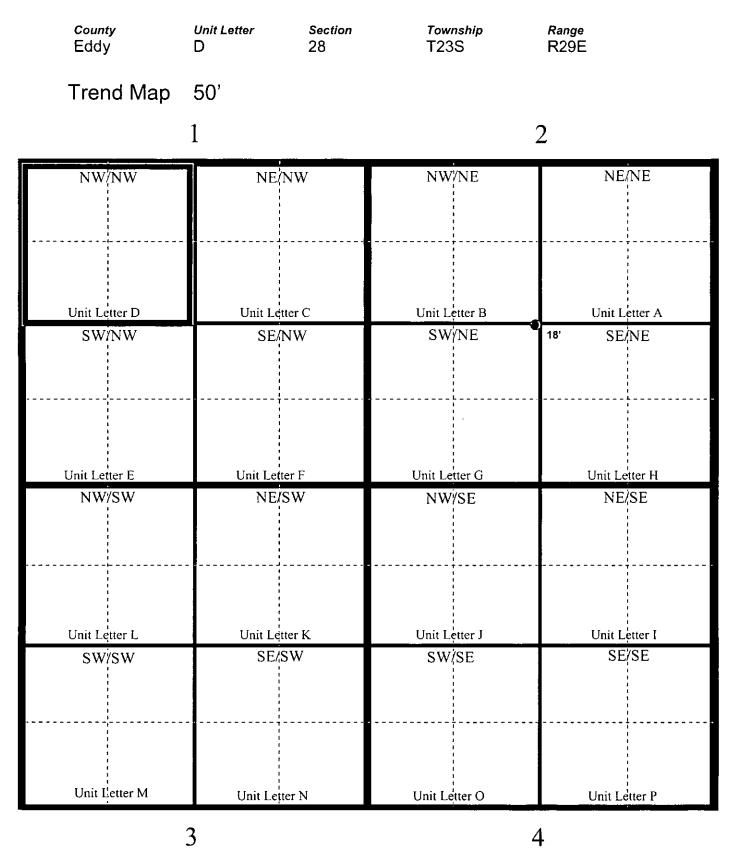


Location

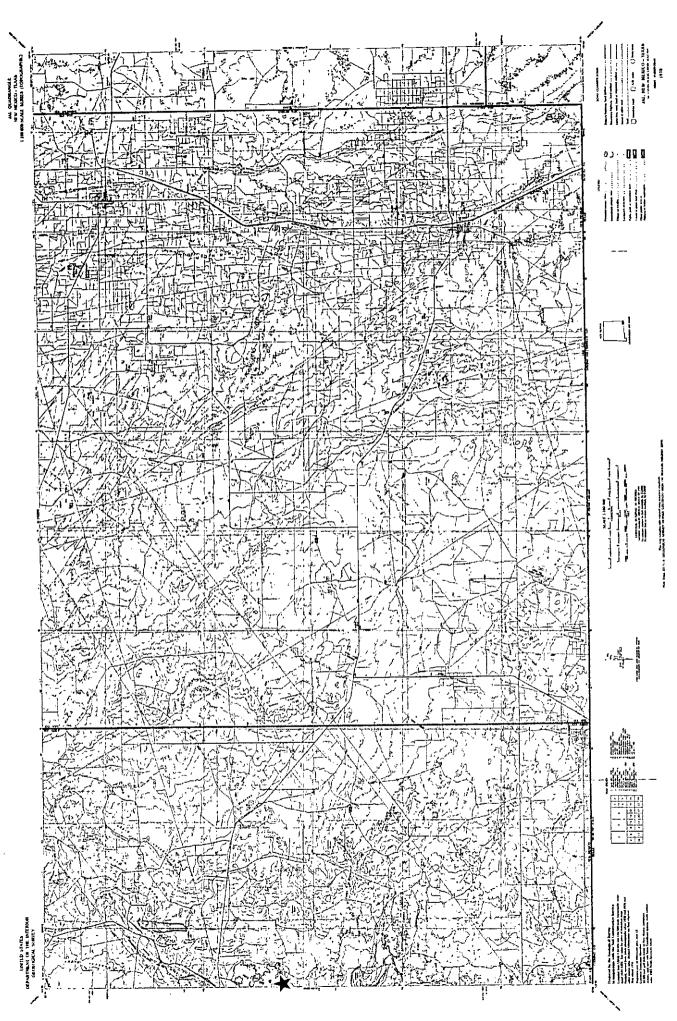


Section Quarters

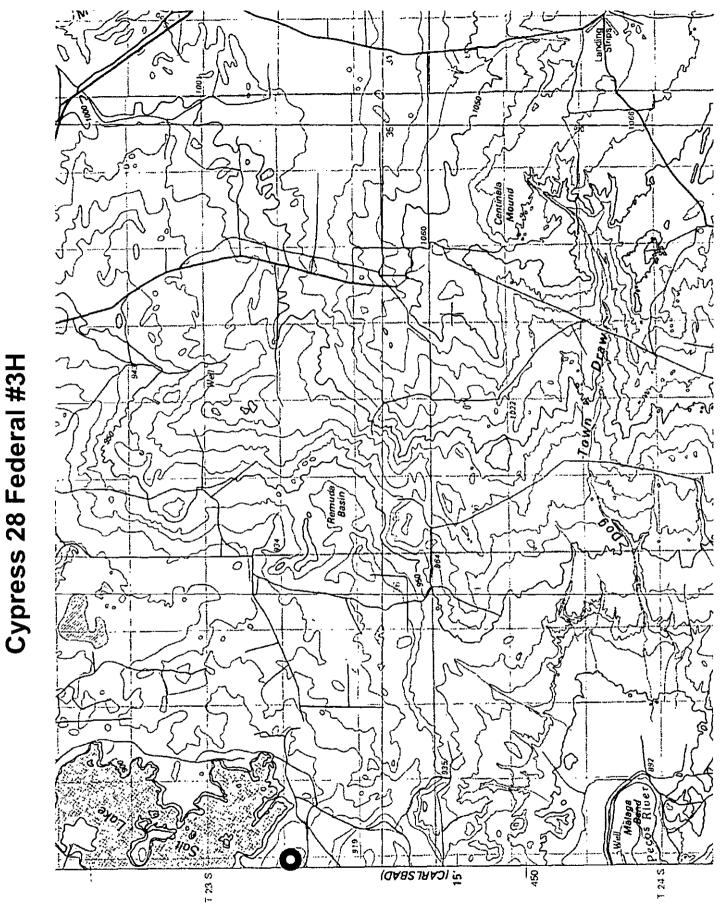
Oxy Cypress 28 Federal #3H







Oxy



Oxy

Laboratory Analytical Results Summary Cypress 28 Federal #3H

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		Sample	SP1@1:	1.0 Las	SP1 @ 3'	SP1@4	SP.1@5
Analyte	Method	Date	5114114	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	<0'020	<0.050
Toluene	BTEX 8021B		12.2	7.35	1.33	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		15.8	15.2	4.1	0.05	<0.050
Total Xylenes BTEX 8021B	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	SM4500CI-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.@45	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
Tolice							

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		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	бу/бш	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	BTEX 8021B		17.9	20.8	2.83	0.279	0.115
Total Xylenes BTEX 8021B	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	SM4500CI-B		096	320	272	448	96
GRO	TPH 8015M		1550	1740	308	35	10
DRO	TPH 8015M		8620	8590	4110	1440	23.3

Analyte Method Date sisila sisisila sisila sisila			Sample	SP3@1'	SP3 @ 2.	.s@,cds	SP3@4	SP3@5
mg/kg mg/kg mg/kg ene BTEX 8021B 1.57 2.15 ene BTEX 8021B 46.8 48.6 benzene BTEX 8021B 62.5 54.5 Xylenes BTEX 8021B 62.5 54.5 Xylenes BTEX 8021B 62.5 54.5 Tite BTEX 8021B 101 261 ITPH 8015M 11000 8720	Analyte	Method	Date	5/15/14	5/15/14	5/15/14	5/15/14	5/15/14
ene BTEX 8021B 1.57 2.15 ane BTEX 8021B 46.8 48.6 benzene BTEX 8021B 62.5 54.5 Xylenes BTEX 8021B 62.5 54.5 Xylenes BTEX 8021B 62.5 54.5 Interx BTEX 8021B 412 367 Interx BTEX 8021B 412 367 Interx BTEX 8021B 412 367 Interx BTEX 8015M 1902 192				mg/Kg	mg/Kg	mg/Kg	mg/Kg	т9/Кд
are BTEX 8021B 46.8 48.6 48.5 54.5 54.5 54.5 54.5 54.5 54.5 54.5 54.5 56.7 54.7 56.7 54.7 56.7 54.7 56.7 54.7 56.7 54.7 56.7 54.7 56.7 54.7 56.7	Benzene	BTEX 8021B		1.57	2.15	<1.00	<0.050	<0.050
benzene BTEX 80218 62.5 54.5 5 Xylenes BTEX 80218 301 261	Toluene	BTEX 8021B		46.8	48.6	26.3	<0.050	0.675
Xylenes BTEX 8021B 301 261 BTEX BTEX 8021B 412 367 ride SM4500Cl-B 192 192 192 ride TPH 8015M 10000 8750	Ethylbenzene	BTEX 8021B		62.5	54.5	32.8	0.071	0.648
BTEX BTEX 8021B 412 367 ride SM4500CI-B 192 192 TPH 8015M 10000 8750	Total Xylenes	BTEX 8021B		301	261	153	0.274	3.98
ride SM4500Cl-B 192 192 192 192 192 10000 8750	Total BTEX	BTEX 8021B		412	367	212	0.345	5.3
TPH 8015M 10000 8750	Chloride	SM4500CI-B		192	192	64	32	80
	GRO	TPH 8015M		10000	8750	4520	<10.0	40.1
11PH 8015M 50500 42700	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 accreditated 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,

Celeg D. Kune

Celey D. Keene Lab Director/Quality Manager



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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% 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 (PIE	97.9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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 % 341%

Surrogate: 1-Chlorooctadecane

65.2-140 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey Di Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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 (PIL	103 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					5-06
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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	3199	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remoty for any claim ansung, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal writin thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for inodential or consequential damages, including, writiout limitation, business interruptions, loss of use, or loss of profits incurred by client, its subschanes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laborationes.

Celey Li Kuna

Celey D. Keene, Lab Director/Quality Manager

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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 80218	mg/	'kg	Analyze	d By: MS			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 (PIL	99.0	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	144	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	624	10.0	05/22/2014	ND	201	101	200	7.89	
DR0 >C10-C28	6060	10.0	05/22/2014	ND	224	112	200	10.1	

63.6-154

Surrogate: 1-Chlorooctadecane 198 %

Cardinal Laboratories

*=Accredited Analyte

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Celey Di Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 19



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 @ 4' (H401509-04)

BTEX 8021B	mg/	kg	Analyze	d 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 (PIL	106 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 %	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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 @ 5' (H401509-05)

8TEX 8021B	mg/	kg	Analyze	d 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 (PIL	101 \$	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	05/2 3/ 2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	1149	65.2-14	0	· · · ·					
Surrogate: 1-Chlorooctadecane	115 9	63.6-15	4						

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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 2 @ 1' (H401509-06)

BTEX 80218	mg	/kg	Analyze	d 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 (PIL 106 % 89.4-126

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP		<u> </u>			
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	Analyze	d 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	
	8620	100	05/23/2014	ND	224	112	200	10.1	

63.6-154

Surrogate: 1-Chlorooctadecane 238 %

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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 2 @ 2' (H401509-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Vatue 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					

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
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	
ГРН 8015M	mg	/kg	Analyze	d 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	
	4740	10.0	00/20/201		201	101	600		

Surrogate: 1-Chlorooctadecane 233 % 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 2 @ 3' (H401509-08)

BTEX 8021B	mg/	kg	Analyze	d 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					
Surrogute: 4-Bromofluorobenzene (PIL	95.6	89.4-12	б						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 9	65.2-14	0		· ·				
Surrogate: 1-Chlorooctadecane	171 9	63.6-15	4						

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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 2 @ 4' (H401509-09)

BTEX 8021B	mg/	kg	Analyze	d 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 (PIE	167 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	126 %	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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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 2 @ 5' (H401509-10)

BTEX 8021B	mg,	/kg	Analyze	d 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 (PIL	109	% 89.4-12	6			·			
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	

ND

224

112

200

10.1

05/23/2014

 Surrogate:
 1-Chlorooctane
 103 %
 65.2-140

 Surrogate:
 1-Chlorooctadecane
 100 %
 63.6-154

23.3

10.0

DRO >C10-C28

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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	Analyze	d 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	NÐ	6.73	112	6.00	0.527	
Total BTEX	412	6.00	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	192	16.0	05/22/2014	ND	416	104	400	3.92	
трн 8015м	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1290	% 63.6-15	4						

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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	Analyze	d 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 (PIL	99.6	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d 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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1160	% 63.6-15	4						

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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	Analyze	d 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 (PIL	102 5	% 89.4-12	б						
Chloride, SM4500CI-B	តាច/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Anatyzed	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	Analyze	d 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 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	554 9	63.6-15	4						

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d By: MS				<u> </u>	
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 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	103 %	63.6-15	4						

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Celey L. Keine

Celey D. Keene, Lab Director/Quality Manager



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 @ 5' (H401509-15)

BTEX 8021B	mg/	kg	Analyze	d 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 (PIL	124 9	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	
Surrogute: 1-Chlorooctane	98.8 5	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91,0 \$	63.6-15	4						

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager



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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 SM4500CI-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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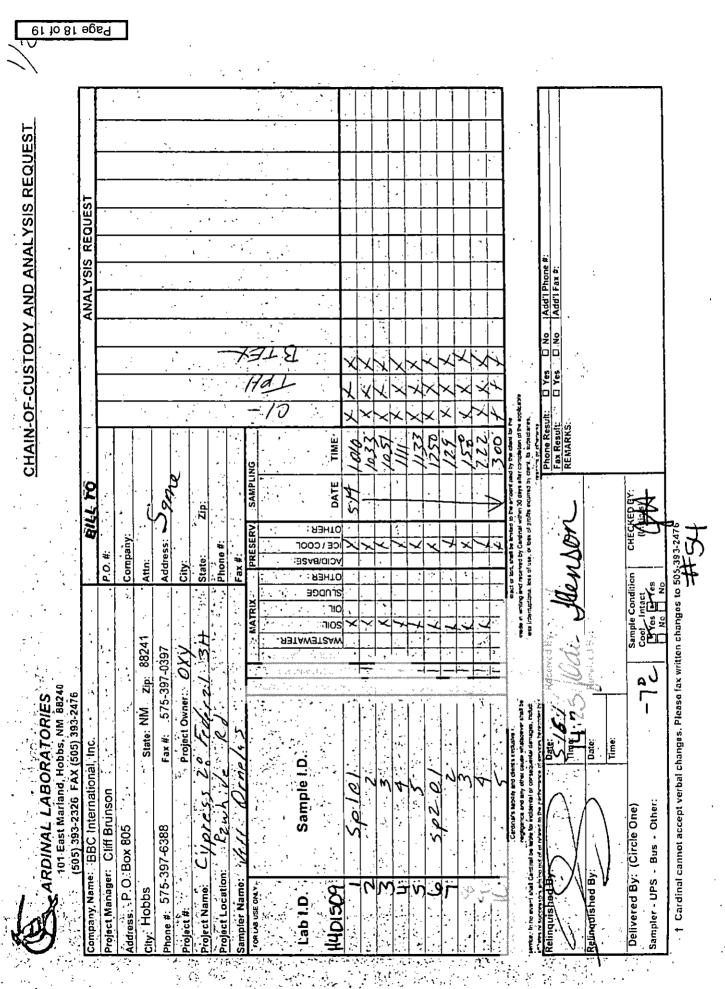
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Celey D. Keene, Lab Director/Quality Manager

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Page 19 of 19

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Kathy Purvis

From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
Sent:	Monday, June 30, 2014 2:02 PM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: OXY-Cypress 28 Federal #3H Battery-remediation Plan

RE: OXY USA INC * Cypress 28 Federal 003H * 30-015-38287 * D-28-23s-29e * Eddy County, New Mexico NMOCD Reference Number: 2RP-2271 * Date of release: 4/14/2014

Cliff,

Your proposal for remediation of the above referenced produced fluid release is approved. A 3' excavation at SP-1 will require a confirmation sample be obtained with lab data reviewed by OCD, prior to backfill. If SP-1 is excavated to 4', OCD will not require a confirmation sample event. Please notify OCD prior to commencement of remedial activities. Federal sites will require BLM approval of remediation proposal.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857 F: 575-748-9720

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Thursday, June 26, 2014 8:00 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Cypress 28 Federal #3H Battery-remediation Plan

Mike,

This e-mail is to confirm our conversation on June 18, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 3 feet in the area of SP1 and will excavate to a depth of 4 feet in the area of SP3 and SP4 as depicted on the attached site diagram. The area around the round tank is lined and bermed and the impacted soil will be removed and replaced. Then the site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-6388 Fax: (575) 397-0397 E-Mail: <u>cbrunson@bbcinternational.com</u>

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Kathy Purvis

From:	Cliff P. Brunson < cbrunson@bbcinternational.com>
Sent:	Thursday, June 26, 2014 8:00 PM
То:	Jennifer Van Curen
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	OXY-Cypress 28 Federal #3H Battery-Remediation Plan
Attachments:	Remediation Packet, Cypress 28 Federal #3H.pdf

Jennifer,

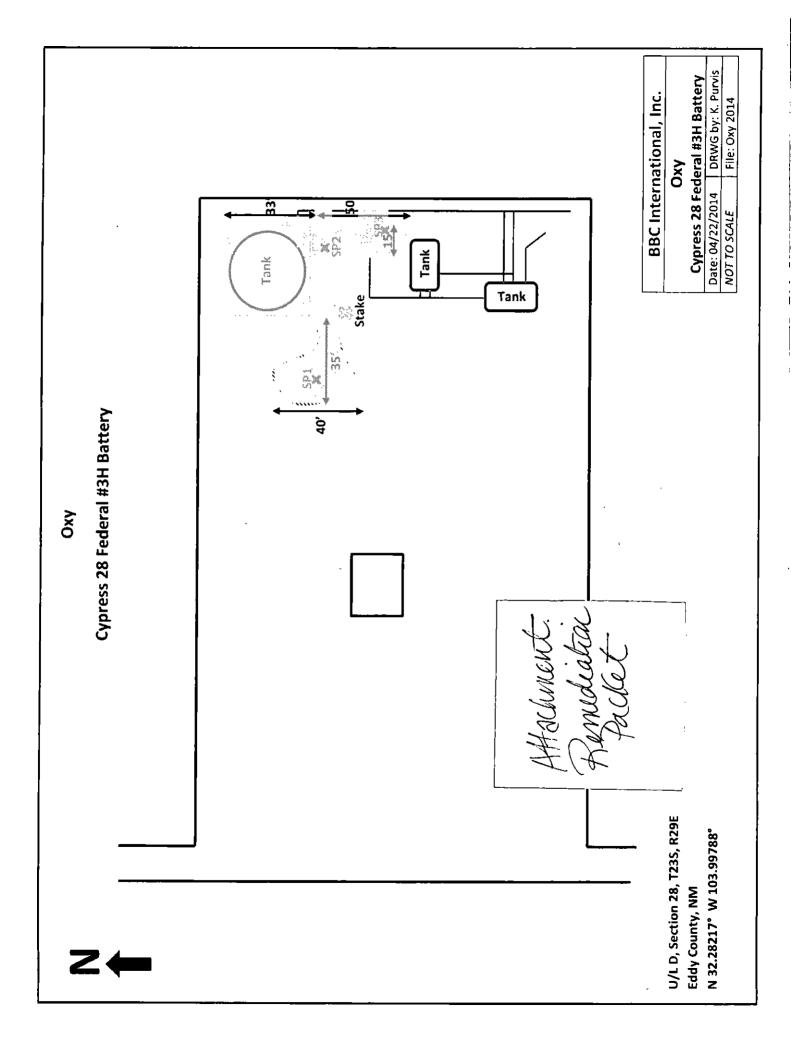
This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy will excavate to a depth of 3 feet in the area of SP1 and will excavate to a depth of 4 feet in the area of SP3 and SP4 as depicted on the attached site diagram. The area around the round tank is lined and bermed and the impacted soil will be removed and replaced. Then the site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: <u>cbrunson@bbcinternational.com</u>

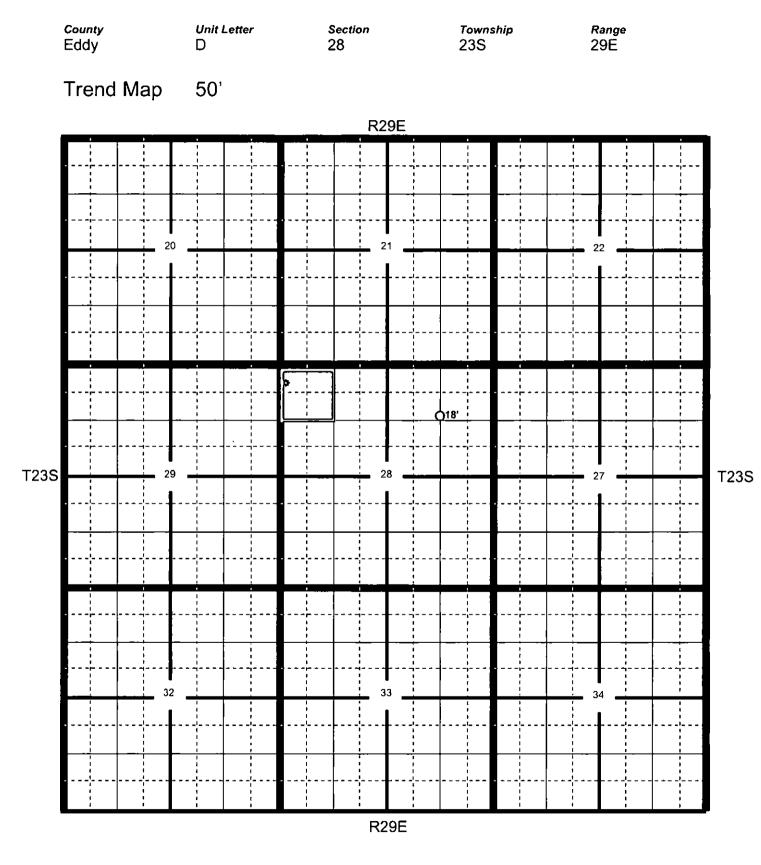
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Groundwater Plot

Oxy Cypress 28 Federal #3H



Location



Section Quarters

Oxy Cypress 28 Federal #3H

<i>County</i> Eddy	<i>Unit Letter</i> D	Section 28	<i>Township</i> T23S	Range R29E
Trend Map	50'			
	1			2
NW/NW	NE/NW	V	NW/NE	NE/NE
Unit Letter D	Unit Letter	с	Unit Letter B	Unit Letter A
SWINW	SE/NW	V	SW/NE	18' SE/NE
		_		
Unit Letter E NW/SW	Unit Letter F	· · · · · · · · · · · · · · · · · · ·	Jnit Letter G NW/SE	Unit Letter H NE/SE
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Unit Letter L SW/SW	Unit Letter SE/SW		Unit Letter J SW/SE	Unit Letter I SE/SE
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Unit Letter M	Unit Letter N	N (Jnit Letter O	Unit Letter P

Location

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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	бу/бш	ву/бш	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	BTEX 8021B		15.8	15.2	4.1	0.05	<0.050
Total Xylenes BTEX 8021B	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	SM4500CI-B		528	208	144	80	80
GRO	TPH 8015M		1850	1940	624	<10.0	<10.0
DRO	TPH 8015M	-	12900	12000	0909	<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
oluene	BTEX 8021B		16.8	17	1.22	0.092	0.08
Ethylbenzene BTEX 80218	BTEX 8021B		6.71	20.8	2.83	0.279	0.115
otal Xylenes BTEX 8021B	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	SM4500CI-B		960	320	272	448	96
SRO	TPH 8015M		1550	1740	308	35	10
DRO	TPH 8015M		8620	0658	4110	1440	23.3

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Analyte	Method	Date	511414	51414	5/14/14	5/14/14	51/81/5
			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	i	16.8	17	1.22	0.092	0.08
Ethylbenzene	BTEX 80218		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	SM4500CI-B		096	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	S/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 80218		412	367	212	0.345	5.3
Chloride	SM4500CI-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

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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 accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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	Analyze	d 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	10 9	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 (PIL	97.9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 \$	65.2-14	0						
Surrogate: 1-Chlorooctadecane	341 9	63.6-15	4						

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Celez Di Kune

Celey D. Keene, Lab Director/Quality Manager



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 \$021B	mg/	kg	Analyze	d 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 (PIL	103 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					5-06
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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	319 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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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 @ 3' (H401509-03)

BTEX 8021B	mg/	kg	Analyze	d 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 ;	89.4-12	6			· /			
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	
	191 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	198 9	63.6-15	4						

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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	Analyze	d 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 (PIL	106 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Алајуze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8 S	% 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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1119	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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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	Analyze	d 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 (PIC	101 9	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	3.9 2	
TPH 8015M	mg/	kg	Analyze	d 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	1149	65.2-14	0						
Surrogate: 1-Chlorooctadecane	115 %	63.6-15	4						

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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 2 @ 1' (H401509-06)

BTEX 8021B	mg,	/kg	Analyze	d 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 (PIL	106	% 89.4-12	6			··· · · ·	· · ·		
Chloride, SM4500Cl-B	mg,	/kg	Алаіуze	d 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	Analyze	d By: MS					S-06

Method Blank

ND

ND

BS

201

224

% Recovery

101

112

True Value QC

200

200

RPD

7.89

10.1

Qualifier

Analyzed

05/23/2014

05/23/2014

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Larc	Inde	Laboratories

Analyte

GRO C6-C10

DR0 >C10-C28

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Result

1550

8620

171%

238 %

Reporting Limit

100

100

65.2-140

63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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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 2 @ 2' (H401509-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 (PIE	461	89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	320	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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-Chlorooctadecane 233 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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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 2 @ 3' (H401509-08)

BTEX 80218	mg.	/kg	Analyze	d 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 (PIL	95.6	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					<u> </u>
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	Analyze	d 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



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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 2 @ 4' (H401509-09)

BTEX 80218	mg,	'kg	Analyze	d By: MS					5-04
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 (PIL	167 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	₿S	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d 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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	126 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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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 2 @ 5' (H401509-10)

BTEX 8021B	mg/	kg	Analyze	d 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 (PIE	109 %	6 89.4-12	6	<u>. </u>	•				
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 %	63.6-15	4						

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Celey Li Kuna

Celey D. Keene, Lab Director/Quality Manager



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 80218	mg/	/kg	Analyze	d 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	2.2 7	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 (PIL	104 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP			-		<u>.</u>
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	Analyze	d 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 !	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1290	% 63.6-15	4						

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Celeg Li Keine

Celey D. Keene, Lab Director/Quality Manager



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 80218	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% 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 (PIL	99.69	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True value QC	KPD	Qualmer
Chloride	192	16.0	05/22/2014	ND	416	104	400	3. 9 2	
TPH 8015M	mg,	/kg	Analyze	d 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	65.2-14	0						·

Surrogate: 1-Chlorooctadecane 1160 % 63.6-154

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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	NĎ	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 (PIL	102 :	% 89.4-12	6						
Chloride, SM4500Cl-B	ma	/ka	Analyze	d Bv: AP					

Analyte Result Chloride 64.0	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride 64.0	16.0							
	10.0	05/22/2014	ND	400	100	400	0.00	
TPH 8015M m	g/kg	Analyze	d 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-Chlorooctadecane 554 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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 (PIL	110 %	6 89.4-12	б б						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	103 %	63.6-15	4						

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Celez Li. Kune

Celey D. Keene, Lab Director/Quality Manager



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 @ 5' (H401509-15)

BTEX 8021B	mg/	kg	Analyze	d 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 (PIL	124 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Алајуге	d 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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.05	63.6.15	4						

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Celegit Kuna

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 SM4500CI-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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Celeg L. Kuns

Celey D. Keene, Lab Director/Quality Manager

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Form C-141 Revised October 10, 2003 i

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

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

Santa Fe, NM 87505												
Release Notification and Corrective Action												
						OPERATOR			🛛 Initial Report 🔲 Final Report			
Name of Company Oxy Permian Ltd.						Contact CJ Summers						
		tanolind Rd,			Telephone No. (575) 397-8216							
Facility Na	me Cypre	ess 28 Feder	attery		Facility Type Gathering							
Surface Owner BLM Mineral Owne						r			API No. 30-015-38287 (nearest well)			
				LOCA		N OF REI						_
Unit Letter	it Letter Section Township Range Feet from the North/South					/South Line	outh Line Feet from the East/			West Line County		
	28	2 <u>3</u> S	29E		l	_		{		Eddy		
			I			Longitu	de					
NATURE OF RELEASE												
Type of Rele	ease Oil ar	nd Produced v			Volume of Release 40 bbls oil, Volume Recovered 50 bbls 20 bbls produced water							
Source of Re back of skin		nul corrosion	el transfer line off	the		lour of Occurrence	Date and Hour of Discovery					
Was Immediate Notice Given? If YES, To Whom?												
Yes No Not Required Mike Bratcher-NMOCD; Jennifer Van Curen-BLM												
By Whom?					Date and Hour 04/14/14 @ 3:39 pm							
Was a Water	rcourse Reac		No		If YES, Volume Impacting the Watercourse.							
LC Water						<u> </u>	 _ RE	ECE	IVE)		
AUG 1 2 2014												
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 end/or regulations.												
				OIL CONSERVATION DIVISION								
Signature:												
Printed Name: Chancey Summers						Approved by District Supervisor:						
Title: HES Specialist						Approval Date:			Expiration Date:			
E-mail Addro	ess: Chanc	ey.Summers(<u>ı </u>		Conditions of Approval:			Attached				
Date:	1-15-1	4	Pho	ne: (575) 397-821	6							

* Attach Additional Sheets If Necessary