# **Closure Report**

Site Description						
Site Name:	Coyote 21 #2					
Company:	Oxy Permian Ltd.					
Legal Description:	U/L N, Section 21, T24S, R29E					
County:	Eddy County, NM					
GPS Coordinates:	N 32.19845° W 103.99052°					

Release Data								
Date of Release:	07/23/2015							
Type of Release:	Oil and produced water							
Source of Release:	Over-pressure on stuffing box caused the packing to blow out							
Volume of Release:	5 bbls oil, 30 bbls produced water							
Volume Recovered:	30 bbls							

Remediation Specifications								
Remediation Parameters:	Excavate the area around SP1 to 1 foot. The remainder of the spill in the areas around SP2 and SP3 shall be excavated to a depth of 2.5 feet. Backfill the site with clean soil.							
Remediation Activities:	02/17/2016 to 02/26/2016							

Plan Sent to OCD:	09/26/2015	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	09/30/2015	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation						
Initial C-141	Signed 08/13/2015					
Final C-141	Signed 03/02/2016					
Site Diagram	July 2015					
Groundwater Plot	75'					
TOPO Maps	July 2015					
Lab Summary	08/04/2015-08/05/2015					
Lab Analysis	08/04/2015-08/05/2015					
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. 03/04/2016

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Revised August 8, 2011

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

			Rele	ease Notific	cation	n and Co	orrective A	ction					
										Final F	Repor		
Name of Co	<del></del>	Oxy Permia		705	-	Contact CJ Summers							
Facility Na		rive, Midland ote 21 #2	1, 1A /9.	705		Telephone N Facility Typ		-5824					
				3.5: 1.6		radiny ryp							
Surface Ow	ner Mcl	Oonald/Brad	ley	Mineral C	)wner			A	API No	30-015	5-298	54	
	Ti'' - ·		r"			N OF REI							
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West	Line	County			
N	21	24S	29E						Eddy County, NM				
			Ι	atitude <u>N 32.1</u>	9845°	Longitu	de <u>W 103.9905</u>	<u>2°</u>					
				NAT	URE	OF RELI	EASE						
Type of Rele	ase Oil a	nd produced v	vater			Volume of	Release 5 bbls	oil, Vo	lume F	Recovered	30 bł	ols	
Source of Re	lease Ove	er pressure on	the stuffir	ig box caused the			duced water our of Occurrenc	e Da	te and	Hour of Dis	COTION	7	
packing to bl	ow out of th	ne well head				07/23/2015		C Da	- and	TIOUT OF DIS	covery		
Was Immedia	ate Notice (		Yes	No 🔲 Not Re	mired	If YES, To	Whom? her and Heather I	Patterson_Ni	MOCD				
By Whom?	Jennifer C	ilkey @ BBC				Date and H		6 @ 5:07 pm		· ·			
Was a Water		hed?			· · · · · · · · · · · · · · · · · · ·		lume Impacting the						
		Ц	Yes 🛚	No									
If a Watercou	irse was mi	pacied, Descri	be rully."										i
Describe Cau	se of Proble	em and Remed	ial Action	Taken.*		<del></del>	··-						
Vacuum truck	on the stute recovered:	fing box caus 30 bbls of flui	ed the pac ds and the	king to blow out on packing was repl	on the w aced.	ell head and s	spill 5 bbls of oil a	and 30 bbls	of prod	luced water	onto tl	ne ground	l. A
Describe Area	Affected a	ind Cleanup A	etion Tak	en.*									
The affected a	irea is appro	oximately 85'	x 70' on 1	ocation. Remedia	ition wil	l be complete	ed according to a r	remediation	plan a <sub>l</sub>	pproved by 1	NMO	CD.	
I hereby certif	y that the in	nformation give	ven above	is true and compl	ete to th	e best of my l	cnowledge and ur	nderstand th	at purs	uant to NM(	OCD r	ules and	
regulations all	l operators a	are required to	report an	d/or file certain re	lease no	tifications an	d perform correct	ive actions	for rele	ases which	mav e	ndanger	
should their of	or the envir perations ha	onment. The ave failed to a	acceptanc dequately	e of a C-141 repor investigate and re	rt by the mediate	NMOCD ma	rked as "Final Re on that nose a thre	port" does 1	10t relie Lwater	eve the oper surface wa	ator o: ter hu	f liability man bealt	th
or the environ	ment. In ac	ldition, NMO	CD accept	ance of a C-141 r	eport do	es not relieve	the operator of re	ar to ground esponsibility	y for co	mpliance wa	ith an	y other	ui
federal, state,	or local law	and/or regu	lations.				OTL COM	EDIA	TONI	DIVITATO		·	
				Tibura.			OIL CONS	ERVAT	ION .	DIVISIO	N		
Signature:			<u>ナ</u>										
Printed Name:	CJ Sum	mers			A	approved by I	Environmental Sp	ecialist:					
Title: HES	Lead				A	Approval Date: Expiration Date:							
E-mail Addres	ss: chance	ey_summers@	oxy.com		c	Conditions of	Approval:	Approval;					
Date:	7-13	>-15	Phone:	(432) 685-5824			,		Attached				
* Attach Additi	0 '	, -		(432) 003-3824						<u> </u>			

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

### State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Attached [

1220 S. St. Francis Dr., Santa Fe, NM 87505 Release Notification and Corrective Action **OPERATOR** Initial Report Final Report Name of Company Contact Casey Summers Oxy Permian Ltd. Address 6 Desta Drive, Midland, TX 79705 Telephone No. (575) 513-8289 Coyote 21 #2 Facility Type Well Facility Name Mineral Owner API No. 30-015-29864 McDonald/Bradley Surface Owner LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County N 21 **24S** 29E Eddy County, NM Latitude N 32.19845° Longitude W 103.99052° NATURE OF RELEASE Type of Release Oil and produced water Volume of Release 5 bbls oil, Volume Recovered 30 bbls 30 bbls produced water Source of Release Over pressure on the stuffing box caused the Date and Hour of Occurrence Date and Hour of Discovery packing to blow out of the well head 07/23/2015 If YES, To Whom? Was Immediate Notice Given? Mike Bratcher and Heather Patterson-NMOCD Jennifer Gilkey @ BBC International Inc. Date and Hour 07/24/2015 @ 5:07 pm By Whom? Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes 🛛 No If a Watercourse was Impacted, Describe Fully.\* Describe Cause of Problem and Remedial Action Taken.\* Over pressure on the stuffing box caused the packing to blow out on the well head and spill 5 bbls of oil and 30 bbls of produced water onto the ground. A vacuum truck recovered 30 bbls of fluids and the packing was replaced. Describe Area Affected and Cleanup Action Taken.\* The affected area is approximately 85' x 70' on location. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 09/30/2015. 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. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: Casey Summers Title: NM Environmental Advisor Approval Date: **Expiration Date:** 

Conditions of Approval:

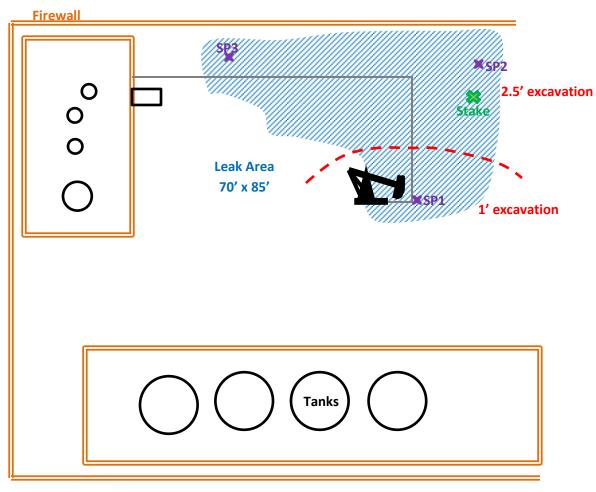
E-mail Address: casey\_summers@oxy.com

Phone: (575) 513-8289

<sup>\*</sup> Attach Additional Sheets If Necessary



# Oxy Coyote 21 #2



U/L N, Section 21, T24S, R29E

Eddy County, NM

N 32.19845° W 103.99052°

API# 30-015-29864

RRC	Internation	al Inc
	ilitelliation	ai, iiic

Ox	y	
Coyote	21	#2

Date: 07/30/2015	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2015

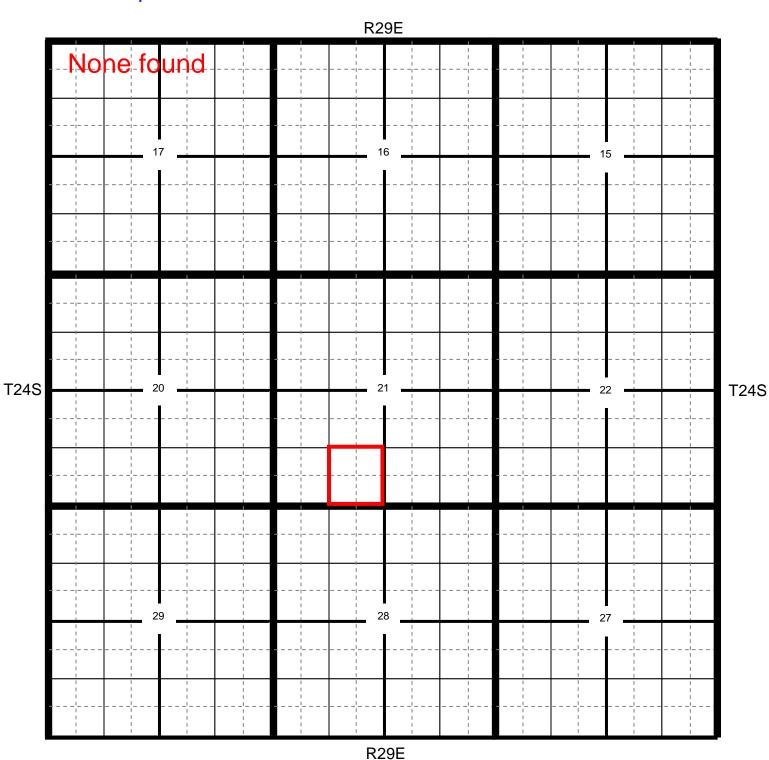


### **Groundwater Plot**

# Oxy Coyote 21 #2

CountyUnit LetterSectionTownshipRangeEddyN2124S29E

Trend Map 75'



Location

OCD

USGS

SEO

All Databases



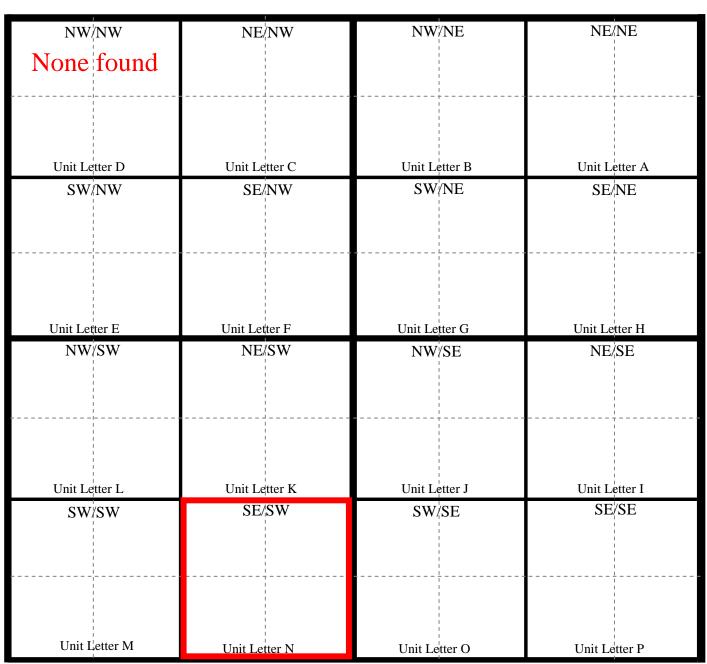
### **Section Quarters**

## Oxy Coyote 21 #2

CountyUnit LetterSectionTownshipRangeEddyN2124S29E

Trend Map 75'

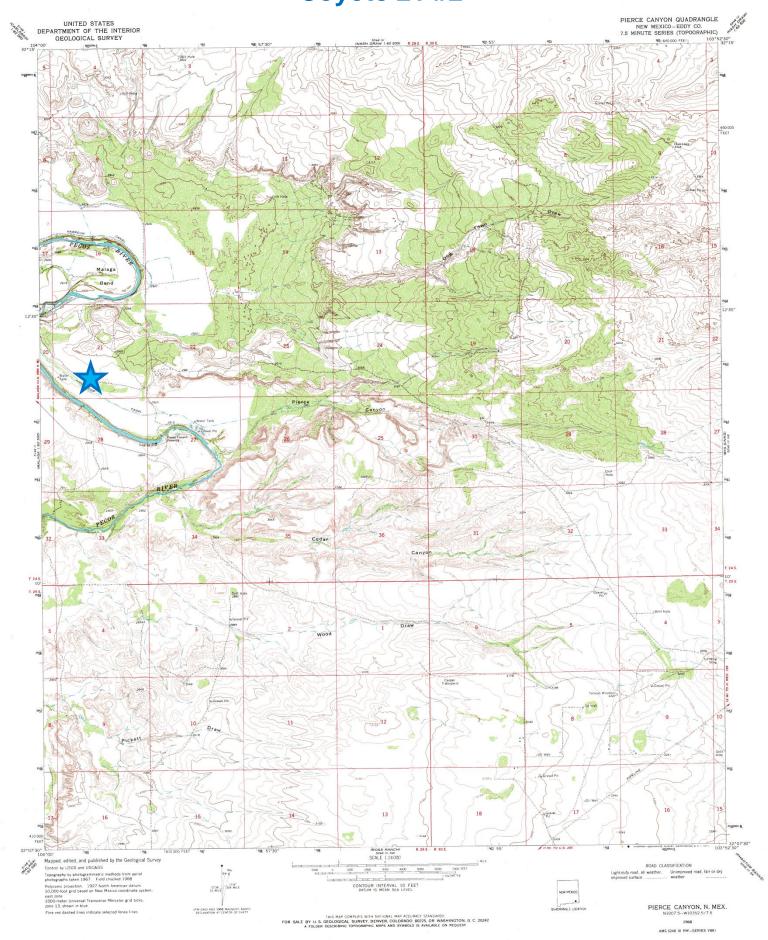
1



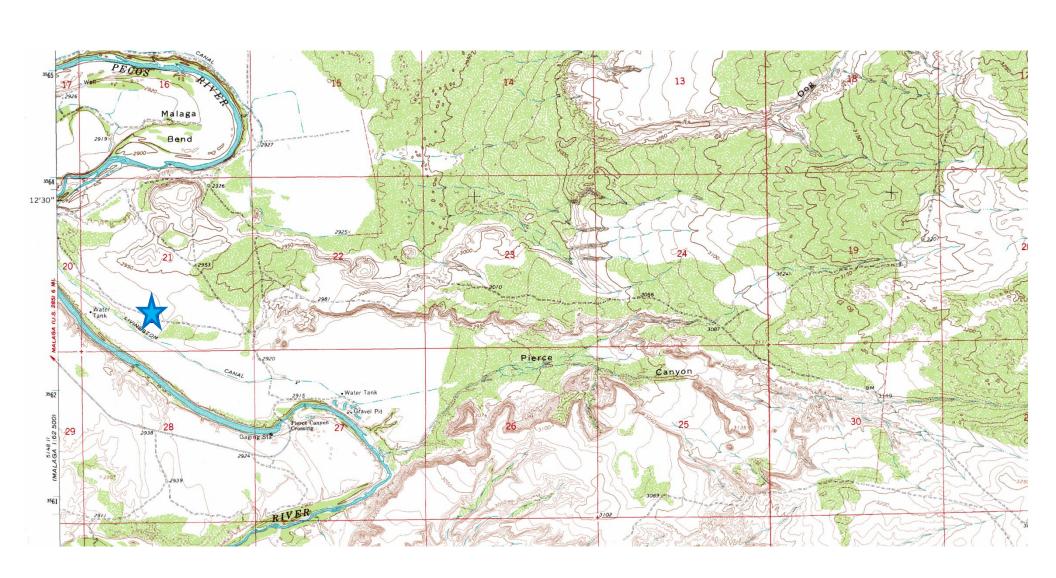
3

# Oxy

# **Coyote 21 #2**



# Oxy Coyote 21 #2



### Laboratory Analytical Results Summary Coyote 21 #2

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	8/4/15	8/4/15	8/4/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		0.05	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		2840	<16.0	48
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	8/4/15	8/4/15	8/4/15	8/4/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		2920	4200	160	144
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	8/5/15	8/5/15	8/5/15	8/5/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	0.052	0.052	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
<b>Total Xylenes</b>	BTEX 8021B		< 0.150	< 0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		3840	3420	208	272
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M	•	<10.0	<10.0	<10.0	<10.0



August 12, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: COYOTE 21 #2

Enclosed are the results of analyses for samples received by the laboratory on 08/07/15 12:52.

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 <a href="https://www.tceq.texas.gov/field/ga/lab-accred-certif.html">www.tceq.texas.gov/field/ga/lab-accred-certif.html</a>.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/04/2015

Reported: 08/12/2015 Sampling Type: Soil

Project Name: COYOTE 21 #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: EDDY COUNTY, NM

### Sample ID: SP1 @ 1' (H502067-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	0.050	0.050	08/10/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	< 0.050	0.050	08/10/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/10/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	08/12/2015	ND	416	104	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	08/07/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/07/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	116 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	128 9	52.1-17	6						

### Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/04/2015

Reported:08/12/2015Sampling Type:SoilProject Name:COYOTE 21 #2Sampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Judy Garcia

Project Location: EDDY COUNTY, NM

### Sample ID: SP1 @ 2' (H502067-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	<0.050	0.050	08/10/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/10/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/10/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6 %	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2015	ND	416	104	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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	114 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	126 %	6 52.1-17	6						

Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/04/2015

Reported: 08/12/2015 Sampling Type: Soil

EDDY COUNTY, NM

Project Name: COYOTE 21 #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

### Sample ID: SP1 @ 3' (H502067-03)

Project Location:

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	08/10/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	<0.050	0.050	08/10/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/10/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/10/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/12/2015	ND	416	104	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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	118 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	131 %	6 52.1-17	6						

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Judy Garcia

Sample Received By:



### Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/04/2015

Reported: 08/12/2015 Sampling Type: Soil
Project Name: COYOTE 21 #2 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

### Sample ID: SP2 @ 1' (H502067-04)

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	08/10/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	<0.050	0.050	08/10/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/10/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/10/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	08/12/2015	ND	416	104	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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	114 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	125 9	% 52.1-17	6						

### Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/04/2015

Reported: 08/12/2015 Sampling Type: Soil

EDDY COUNTY, NM

Project Name: COYOTE 21 #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Sample ID: SP2 @ 2' (H502067-05)

Project Location:

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	08/10/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	<0.050	0.050	08/10/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/10/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/10/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 5	% 85.6-13	7						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4200	16.0	08/12/2015	ND	416	104	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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	116 9	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane 131 % 52.1-176

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08/04/2015



### Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date:
Reported: 08/12/2015 Sampling Type:

Reported:08/12/2015Sampling Type:SoilProject Name:COYOTE 21 #2Sampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Judy Garcia

Project Location: EDDY COUNTY, NM

### Sample ID: SP2 @ 3' (H502067-06)

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	08/10/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	<0.050	0.050	08/10/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/10/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/10/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/12/2015	ND	416	104	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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	104 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	116 %	52.1-17	6						

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08/04/2015

Judy Garcia



### Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Sampling Date:

Sample Received By:

Received: 08/07/2015

Reported: 08/12/2015 Sampling Type: Soil
Project Name: COYOTE 21 #2 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

### Sample ID: SP2 @ 4' (H502067-07)

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	08/10/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	<0.050	0.050	08/10/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/10/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/10/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 85.6-13	7						
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	08/12/2015	ND	416	104	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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	103 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	115 9	% 52.1-17	6						

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/05/2015

Reported: 08/12/2015 Sampling Type: Soil

EDDY COUNTY, NM

Project Name: COYOTE 21 #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Sample ID: SP3 @ 1' (H502067-08)

Project Location:

Surrogate: 1-Chlorooctadecane

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/10/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	<0.050	0.050	08/10/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/10/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/10/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5 9	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	3840	16.0	08/12/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	

129 %

52.1-176

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08/05/2015



### Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date:

Reported: 08/12/2015 Sampling Type: Soil

Project Name: COYOTE 21 #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: EDDY COUNTY, NM

### Sample ID: SP3 @ 2' (H502067-09)

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	08/11/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	0.052	0.050	08/11/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3 9	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	08/12/2015	ND	432	108	400	3.77	
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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	117 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	147 %	6 52.1-17	6						

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/05/2015

Reported: 08/12/2015 Sampling Type: Soil

EDDY COUNTY, NM

Project Name: COYOTE 21 #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

### Sample ID: SP3 @ 3' (H502067-10)

Project Location:

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	08/11/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	0.052	0.050	08/11/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7 9	% 85.6-13	7						
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	08/12/2015	ND	432	108	400	3.77	
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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	118 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	132 %	6 52.1-17	6						

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BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/05/2015

Reported: 08/12/2015 Sampling Type: Soil

Project Name: **COYOTE 21 #2** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: EDDY COUNTY, NM

### Sample ID: SP3 @ 4' (H502067-11)

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	08/11/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 85.6-13	7						
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	08/12/2015	ND	432	108	400	3.77	
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	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	117 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	128	% 52 1-17	6						

Surrogate: 1-Chlorooctadecane 128 % 52.1-176

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### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(505) 393-2326 FAA (505) 393-2476							
Company Name: BBC International, Inc.		BILL TO	đ	1		ANALYSIS REQUEST	L
Project Manager: Cliff Brunson		P.O. #:		_			_
Address: P.O. Box 805		Company:					
City: Hobbs State: NM 2	Zip: 88241	Attn:					
5-397-6388 Fax #:	575-397-0397	Address:					
Project #: Project Owner: Oxy	Оху	City:					
ame: Coyote 21 #2		State: Zip:					
Project Location: Eddy County, NM		Phone #:					
sampler Name: Price Brunson		Fax #:		_			
	MATRIX	PRESERV. SA	SAMPLING				
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	BTEX	TPH		
. SP1 @ 1'	6-	8/4/15	5 10:30 AM	\	~		
2. SP1 @ 2'	6 1	8/4/15	5 11:00 AM	< <	~		
5: SP1 @ 3'	6 - 1	8/4/15	5 11:45 AM	<u> </u>	\ \		
<u> </u>	6 - <	8/4/15	5 2:00 PM	<	\ <		
	6 - <	8/4/15	5 2:30 PM	<u> </u>			
	61	8/4/15	15 3:00 PM	<u> </u>	\ \		
7, SP2 @ 4'	0 1	8/4/15	5 3:30 PM	<u> </u>			
	61	8/5/15	15 10:30 AM	<u> </u>	\ <		
	61	8/5/15	5 11:00 AM	<u> </u>	\ <		
	G 1 V	8/5/15	5 11:45 AM	\	1		L
a's liability and client's exclusive remedy for an ce and any other cause whatsoever shall be de pridental or consequental damages, including y	y claim arising whether based in contra semed waived unless made in writing a without limitation, business interruption	act or tort, shall be limited to the am and received by Cardinal within 30 o is, loss of use, or loss of profits incu	ount paid by the client for the lays after completion of the ar rred by client, its subsidiaries,	pplicable			
affiliates or successors arising out of or related to the performance of services hereunder by Ca	rdinal, regardless of whether such clair	regardless of whether such claim is based upon any of the above stated reasons or otherwise	taled reasons or otherwise.				
Relinquished By: Date 8/6/15	Received By:		Phone Result:		☐ Yes ☐	No Add'l Frax #:	
Time	7		REMARKS:				

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

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinguished By:

75 Received By:

CHECKED BY:

Page 14 of 15



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

unson  state: N	P.O. #: Company:		=	ANALIOIO		
ger: Cliff Brunson O. Box 805 State: NM Zip:	P.O. #: Company:					_
O. Box 805  State: NM Zip:	Company:			_		
State: NM Zip:			-	_	_	
0000	Attn:					
Phone #: 5/5-39/-6388 Fax #: 5/5-39/-039/	Address:			_		
Project #: Project Owner: Oxy	City:			_		
ame: Coyote 21 #2	State: Zip:					ar.
Project Location: Eddy County, NM	Phone #:		,			
Sampler Name: Price Brunson	Fax #:					
٦	PRESERV SAMPLING					
ERS ATER ER						
(G)RAB OR (C) CONTAINE GROUNDWA WASTEWATE SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	BTE)	TPH			
SP3 @ 4'	8/5/15	12:30 PM 🗸 🔻	< <			
88						
PLEASE MOTE: Liability and Damagas. Cardinal's liability and client's exclusive remety for any claim arising whening tossed in contract or for, sinal the liability and training and received by Cardinal within 30 days after compelion of the applicable analyses. All claims including those for regigence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after compelion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	ract or fort, shall be littlied to the amount paut by and received by Cardinal within 30 days after constant of the control of	ompletion of the applicable nt, its subsidiaries.				
Relinquished By:  Date:  Received By:  Phone Res	- -	ult:	☐ Yes ☐ No	Add'l Phone #: Add'l Fax #:		
Time:	4 Garca	REMARKS:	[			
Relinquished By:  Time 15	0					
0	dition CHECKED BY:					
Sampler - UPS - Bus - Other:	6					

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

Page 15 of 15

### **Kathy Purvis**

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent: Wednesday, September 30, 2015 1:48 PM

To: Cliff Brunson

Cc: Patterson, Heather, EMNRD; Dusty Wilson; Jennifer\_Duarte@oxy.com; Ken Swinney;

Jennifer Gilkey; Kathy Purvis

**Subject:** RE: OXY - Coyote 21 #2 - Remediation Plan

RE: OXY USA \* Coyote 21-2 \* 30-015-29864 \* 2RP-3203 \* DOR: 7/25/15

Cliff,

Your proposal for remediation of the above referenced release is approved.

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 Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Saturday, September 26, 2015 2:23 PM

To: Bratcher, Mike, EMNRD

Cc: Patterson, Heather, EMNRD; Dusty Wilson; Jennifer Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY - Coyote 21 #2 - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy Coyote 21 #2. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this 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) 397-0397

 $\textbf{E-Mail:} \ \underline{cbrunson@bbcinternational.com}$ 

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