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 HOBBS OCD

Energy Minerals and Natural Resources 2 2014
Oil Conservation Division

Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

161-4135

1220 South St. Francis Dr. Santa Fe, NM 87505

RECEIVED

Release Notification and Corrective Action

						<b>OPERA</b>	TOR		Initi	al Report	$\boxtimes$	Final Rep
Name of Co	ompany	Oxy Permia	n Ltd.		4	Contact C	Chancey Summe	ers				
Address	1017 W. S	tanolind Rd,	Hobbs, 1	NM 88240	= -	Telephone l	No. (575) 397	7-8216				
Facility Na	me East	Eumont Uni	it #32			Facility Typ	e Well locati	ion				
Surface Ow	ner Stat	te		Mineral C	wner				API No	30-025	-05588	1
				LOCA	TIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/We	st Line	County		
E	10	198	37E	1980		North	660	We	est	Lea Count	v, NM	
			]	Latitude N 32.6	7674°	Longitu	de W 103.2451	<u>0°</u>				
				NAT	URE	OF REL	EASE					
Type of Rele	ase Produ	uced water				Volume of 15 bbls	Release	(	olume I bbls	Recovered		
Source of Re	lease 1 ir	nch nipple on	well head			Date and H 02/24/2014	Iour of Occurrence	ce I	Date and	Hour of Dis	covery	
Was Immedi	ate Notice (		Yes	No Not Re	quired	If YES, To Geoffrey L	Whom? eking, NMOCD					
By Whom?	Kathy Pur	rvis				Date and H	lour 02/24/2014	4 @ 4:27 1	om			
Was a Water			Yes 🛛	No			lume Impacting t					
IC - Webses	T	pacted, Descr	11 - T. 11 - N									
		em and Remedeled		a Taken.* wed 15 bbls of pro	oduced	water to leak	onto the ground.	No fluids	were rec	covered and	the nipp	ole was
Describe Are	a Affected a	and Cleanup A	Action Tak	en.*								
		oximately 10' OCD via emai		on and off location/2014.	on. Re	mediation was	completed in acc	cordance v	vith the r	remediation p	olan app	proved by
regulations al public health should their c or the environ	I operators or the envir operations had ment. In a	are required to conment. The ave failed to a	report an acceptance dequately CD accept	is true and compled/or file certain re e of a C-141 report investigate and re tance of a C-141 r	clease r rt by the media	notifications and te NMOCD mate cor does	nd perform correct arked as "Final Re	tive action eport" doe	s for release not reli	eases which ieve the oper	may en rator of	danger liability
Signature:	$\subseteq$			)		A	PP	R	O	VE		
Printed Name	: Chance	y Summers				App						
Title: HES	Specialist					Approval Date	e: 23/1	6 Ex	piration	Date:		
E-mail Addre		cey.Summers				Conditions of	Approval:			Attached		
Date:	ional Shee	ts If Necessa	Phone:	(575) 397-8216	5						-	

## **Closure Report**

JUN 1 2 2014

RECEIVED

The second secon		KLOwn
	Site Description	
Site Name:	East Eumont Unit #32	
Company:	Oxy Permian Ltd.	
Legal Description:	U/L E, Section 10, T19S, R37E	
County:	Lea County, NM	
GPS Coordinates:	N 32.67651° W 103.24586°	

	Release Data
Date of Release:	02/24/2014
Type of Release:	Produced water
Source of Release:	1 inch nipple on well head
Volume of Release:	15 bbls
Volume Recovered:	0 bbls

	Remediation Specifications
Remediation Parameters:	Excavate to a depth of 1.5 feet across the entire leak area. Then, backfill the excavated area with clean soil.
Remediation Activities:	05/23/2014 to 05/28/2014

Plan Sent to OCD:	04/05/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	04/07/2014	Email from Geoffrey Leking 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 02/26/2014
Final C-141	Signed 06/05/2014
Site Diagram	February 2014
Groundwater Plot	<50'
TOPO Maps	February 2014
Lab Summary	03/10/2014
Lab Analysis	03/10/2014
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.

06/10/2014

<u>District I</u> 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

\* Attach Additional Sheets If Necessary

## State of New Mexico Minerals and New Energy Minerals and Natural Resources 2014 Oil Conservation Division Su

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

Form C-141 Revised August 8, 2011

1220 South St. Francis Dr. Santa Fe, NM 87505

			Rei	ease Nounc	catto	n and Co	orrective A	ction	
						<b>OPERA</b>	TOR		ial Report  Final Repo
Name of C	ompany	Oxy Permia	n Ltd.			Contact (	Chancey Summe		
Address	1017 W. S	tanolind Rd	Hobbs, 1	NM 88240		Telephone 1	No. (575) 397	7-8216	
Facility Na	me East	Eumont Un	it #32			Facility Typ	be Well locat	ion	The second second
Surface Ov	vner Stat	te		Mineral C	)wner			API N	o. 30 <b>-</b> 025-05588
				LOCA	TIO	N OF RE	FACE	6	
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Line	County
Е	10	19S	37E	1980		North	660	West	Lea County, NM
			]	Latitude N 32.6	7674°	Longitu	de W 103.2451	<u>0°</u>	
				NAT	URE	OF REL	EASE		
Type of Rele	ease Produ	uced water				Volume of	Release		Recovered
Source of Re	aleose 1 ir	nch nipple on	wall band			15 bbls	Iour of Occurrence	0 bbls	Hour of Discovery
Source of Ice	ricase I II	ich hippie on	well lieau			02/24/2014		Date and	Hour of Discovery
Was Immedi	iate Notice (					If YES, To			
		$\boxtimes$	Yes _	No Not Re	equired	Geoffrey I	eking, NMOCD		
By Whom?							Iour 02/24/201		
Was a Water	course Read	ched?	Yes 🛭	1 No		If YES, Vo	olume Impacting	the Watercourse.	
		pacted, Descr							
	escribe Cause of Problem and Remedial Action Taken.*  leak on the 1 inch nipple on the well head allowed 15 bbls of proplaced.  escribe Area Affected and Cleanup Action Taken.*					water to leak	onto the ground.	No fluids were re	covered and the nipple was
Describe Are	a Affected	and Cleanun A	Action Tak	ren.*			-		
					on. Rer	nediation wil	be completed in	accordance with a	remediation plan approved by
regulations a public health should their o or the environ	Il operators or the envir operations h nment. In a	are required to conment. The ave failed to a	o report an acceptance dequately CD accep	nd/or file certain re te of a C-141 report investigate and re	clease ne rt by the emediate	otifications are NMOCD made contamination	nd perform correct arked as "Final Roon that pose a three	tive actions for rel eport" does not rel eat to ground wate	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health compliance with any other
- July busto,		7					OIL CON	SERVATION	DIVISION
Signature:		)		1					
rinted Name	e: Chance	y Summers				Approved by	Environmental S	pecialist:	
	Specialist	,				Approval Dat	e;	Expiration	Date:
E-mail Addre		cey.Summers	@oxy.com	1		Conditions of			Attached
Date: 2/2	210/14		Phone:	(575) 397-8210	5				Attached []

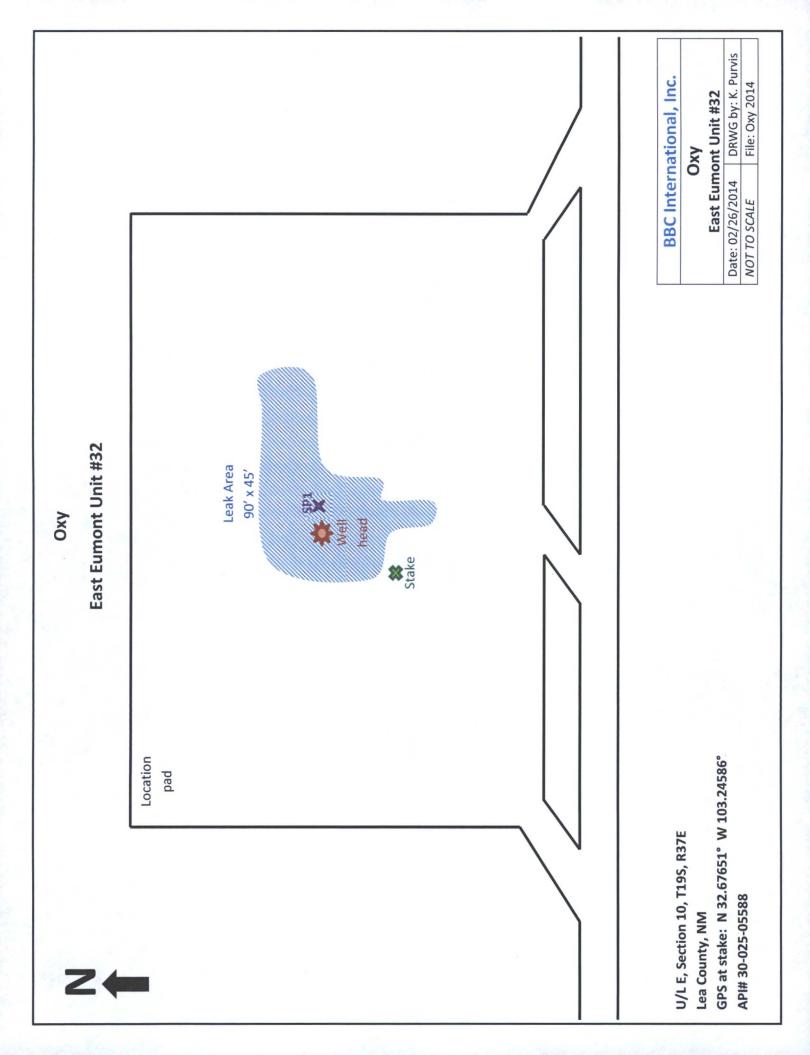
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

			Rele	ease Notific	cation	and Co	orrective A	ction			
						<b>OPERA</b>			tial Report	Fina	l Repor
Name of Co		Oxy Permia		7.00040			Chancey Summe				
Address Facility Na		tanolind Rd, Eumont Uni		NM 88240		Telephone l Facility Typ					
		and a constant	II II JZ			racinty Typ	se well locati				
Surface Ow	mer Stat	e		Mineral (	)wner			APIN	To. 30-025-0	5588	
× /						OF RE	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County		
E	10	19S	37E	1980	1	North	660	West	Lea County,	, NM	
			1	Latitude N 32.6		Longitu OF REL	de <u>W 103.2451</u>	<u>0°</u>			
Type of Rele	ase Produ	aced water				Volume of			Recovered		
Source of Re	lease 1 ir	ch nipple on	well head		-	15 bbls Date and F	Iour of Occurrence	0 bbls Date an	d Hour of Disco	verv	
						02/24/2014	1	Date at	a from of Disco	· · · · · ·	
Was Immedi	ate Notice (		Yes	No Not Re	equired	If YES, To Geoffrey L	Whom? eking, NMOCD				
By Whom?							lour 02/24/2014				
Was a Water	course Reac		Yes 🛛	No		If YES, Vo	dume Impacting t	he Watercourse.			
Describe Cau A leak on the replaced.					oduced v	water to leak	onto the ground.	No fluids were re	ecovered and the	e nipple wa	ıs
Describe Are	a Affected a	and Cleanup A	Action Tak	en.*							
The affected NMOCD.	area is appr	oximately 10'	x 60'both	on and off location	on. Ren	nediation will	be completed in	accordance with	a remediation p	lan approve	ed by
regulations al public health should their o	or the environment. In a	are required to onment. The ave failed to a dditjon, NMO	report an acceptance dequately CD accept	d/or file certain re e of a C-141 repo investigate and re	elease no ort by the emediate	otifications and NMOCD made contamination	knowledge and und perform correct arked as "Final Reson that pose a three the operator of r	tive actions for re eport" does not re eat to ground wat	eleases which melieve the operater, surface water	ay endange or of liabili r, human he	er ity ealth
Signature:		7					OIL CONS	SERVATION	DIVISION	1	
Printed Name	: Chance	y Summers			A	Approved by	Environmental Sp	pecialist:		ж.	
Title: HES	Specialist				A	Approval Date	e:	Expiration	Date:		
E-mail Addre	ess: Change	cey.Summers(	Phone:	(575) 397-8210		Conditions of			Attached [		
Attach Addi	ional Shee	ts If Necessa						100000000000000000000000000000000000000			





## **Section Quarters**

## Oxy East Eumont Unit #32

CountyUnit LetterSectionTownshipRangeLeaE1019S37E

Trend Map <50'

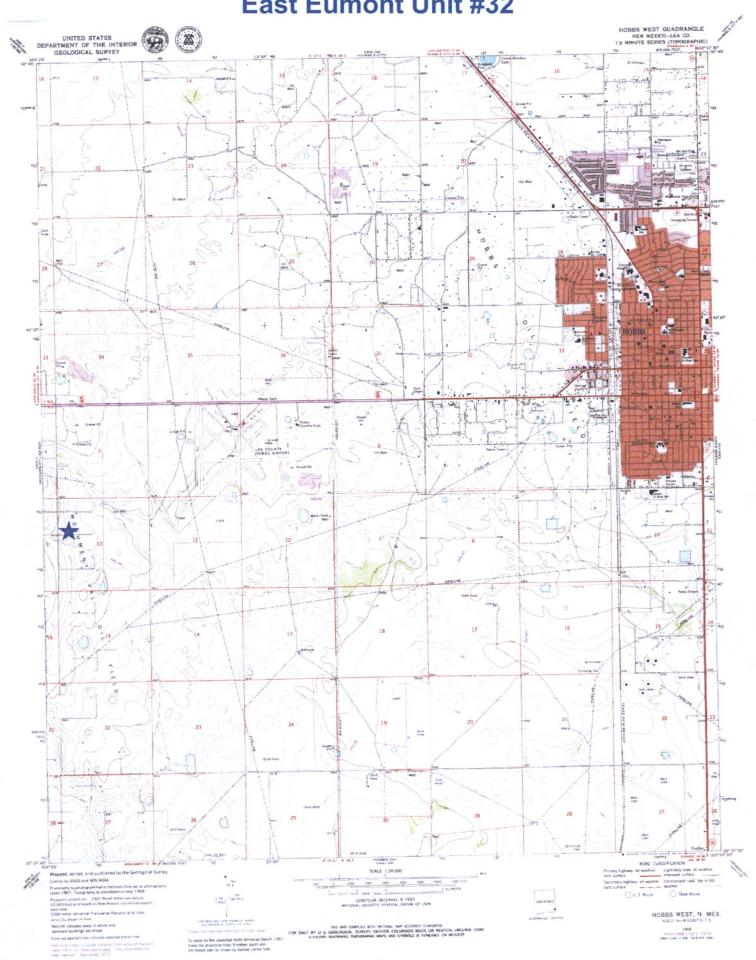
1



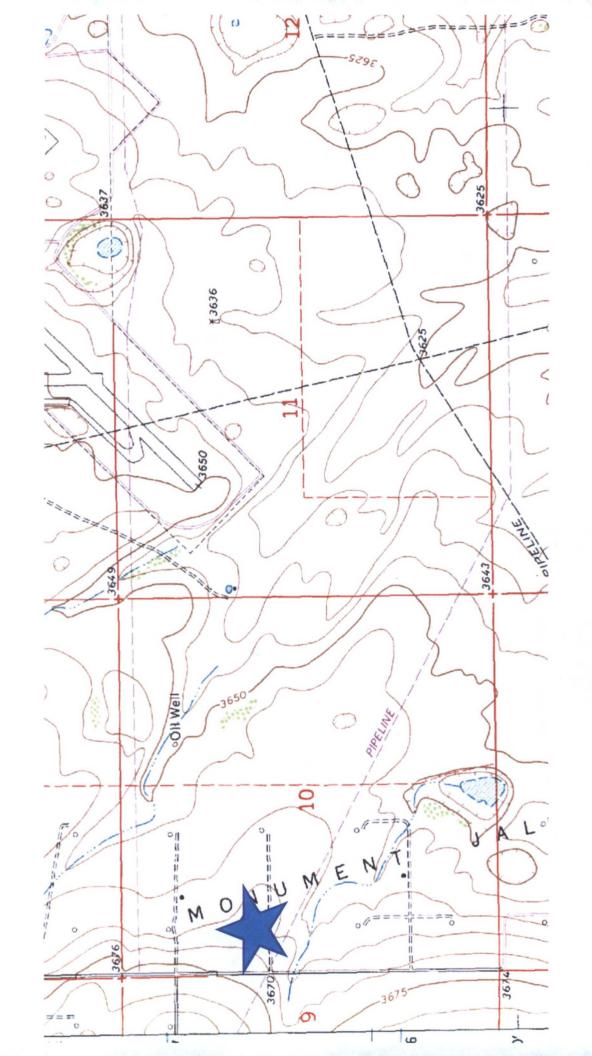
3

Оху

## **East Eumont Unit #32**



Oxy East Eumont Unit #32



# Laboratory Analytical Results Summary East Eumont Unit #32

		Sample	SP1@ SURFACE	SP1 @ 1"	SP1@2"	SP1@3"
Analyte	Method	Date	3/10/14	3/10/14	3/10/14	3/10/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		1660	929	160	144



March 13, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: EAST EUMONT #32

Enclosed are the results of analyses for samples received by the laboratory on 03/10/14 11:00.

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/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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.

Celey D. Keine

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



## Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(575) 397-0397

Received:

03/10/2014

Sampling Date:

03/10/2014

Reported:

Chloride, SM4500CI-B

03/13/2014

Sampling Type:

Soil

Project Name:

EAST EUMONT #32

Sampling Condition:

\*\* (See Notes)

Project Number:

NONE GIVEN

ma/ka

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

## Sample ID: SP 1 @ SURFACE (H400722-01)

Chloride, 3M4300Cl-B	IIIş	J/ Ng	Allalyze	u by. Ar					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	03/12/2014	ND	400	100	400	0.00	
Sample ID: SP 1 @ 1' (H	400722-02)								
Chloride, SM4500CI-B	mg	j/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/12/2014	ND	400	100	400	0.00	
Sample ID: SP 1 @ 2' (H Chloride, SM4500Cl-B		g/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/12/2014	ND	400	100	400	0.00	
Sample ID: SP 1 @ 3' (H	400722-04)								
Chloride, SM4500CI-B	mç	ı/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/12/2014	ND	400	100	400	0.00	

Analyzed By: AP

## Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, 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 waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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 Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## **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

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, 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 waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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 Laboratories.

Celey D. Keine



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	1000/ 000 2020 : 201 (000/ 000 211					1 4	1
Company Name:	BBC International, Inc.		121/15 TO		ANALYSIS	ANALYSIS REQUEST	
Project Manager	Project Manager: Cliff Brunson		P.O. #:				
Address: P.O. Box 805	Box 805		Company:				
city: Hobbs	State: NM	Zip: 88241	Attn:				
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:				
Project #:	Project Owner:	DYU	City:				
Project Name:	East Eumont #32	21	State: Zip:				
Project Location:			Phone #:				
Sampler Name:	POGER HERMONDE	250	Fax#:	Ol			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING				
		RS TER		LOK			
Lab I.D.	Sample I.D.	TAINER NDWATE	R: BASE:	H			
72100th		# CON	OTHE ACID/O OTHE	TIME			
	SPICE SURPRICE	1	hr.012	636			
2	1011	4	V 3.10.14	2 48 /			
N	62	1	8.10.19	do2			
	N. C.	1	N.01.8	aro /			
PLEASE NOTE: Liability an analyses. All claims including	PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whateoever shall be deemed walved unless made in writing and received by Cerdinal within 30 days after completion of the applicable	ny claim arising whether based in contrac leesned walved unless made in writing an	ot or tort, shall be limited to the amount paid to received by Cardinal within 30 days after c	by the client for the completion of the applicable			
affiliates or successors arisin	out of or related to the performance	ardinal, regardless of whether such claim	of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise		1		
Relinguished By:	Herrunder	Redelved By:	1000	Phone Result: Yes  Fax Result: Yes  REMARKS:	□ No Add'l Phone #:	39	
Relinquished By:	Date:	Received By:	Chron (				

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

Time:

## Jennifer Gilkey

From:

Leking, Geoffrey R, EMNRD < Geoffrey R. Leking@state.nm.us>

Sent:

Monday, April 07, 2014 11:45 AM

To:

Cliff P. Brunson

Cc:

C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject:

RE: OXY-East Eumont Unit #32-Remediation Plan

## Cliff

Per our conversation of April 2, 2014 and review of the below email and attachment, the remediation plan is approved for the OXY East Eumont Unit #32. Thank you.

Geoffrey Leking Environmental Specialist NMOCD-Hobbs 1625 N. French Drive Hobbs, NM 88240

Office: (575) 393-6161 Ext. 113

Cell: (575) 399-2990

email: geoffreyr.leking@state.nm.us

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Saturday, April 05, 2014 7:45 PM

To: Leking, Geoffrey R, EMNRD

**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis **Subject:** OXY-East Eumont Unit #32-Remediation Plan

## Geoff,

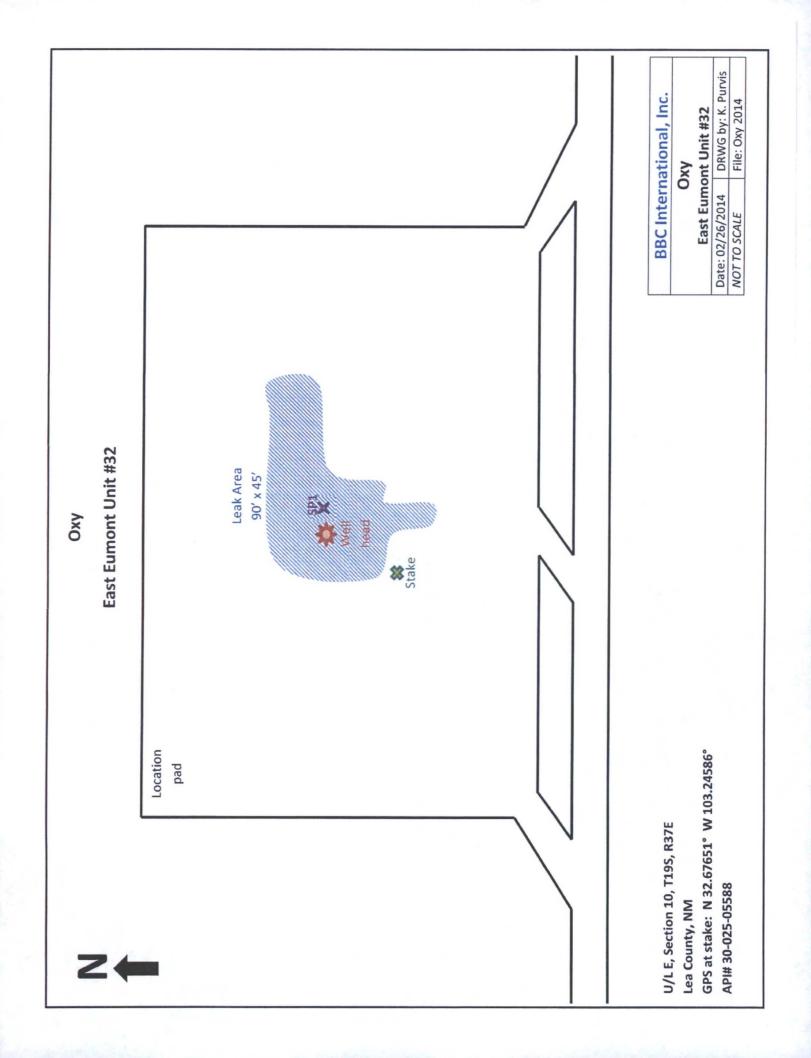
This e-mail is to confirm our conversation on April 2, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 1.5 feet in the entire leak area that is depicted on the attached site diagram. 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
Malling 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: cbrunson@bbcinternational.com



## Laboratory Analytical Results Summary East Eumont Unit #32

		Sample	SP1@ SURFACE	SP1@1	SP1@2"	SP1@3'
Analyte	Method	Date	3/10/14	3/10/14	3/10/14	3/10/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		1660	576	160	144



## Section Quarters

## Oxy East Eumont Unit #32

County Lea Unit Letter

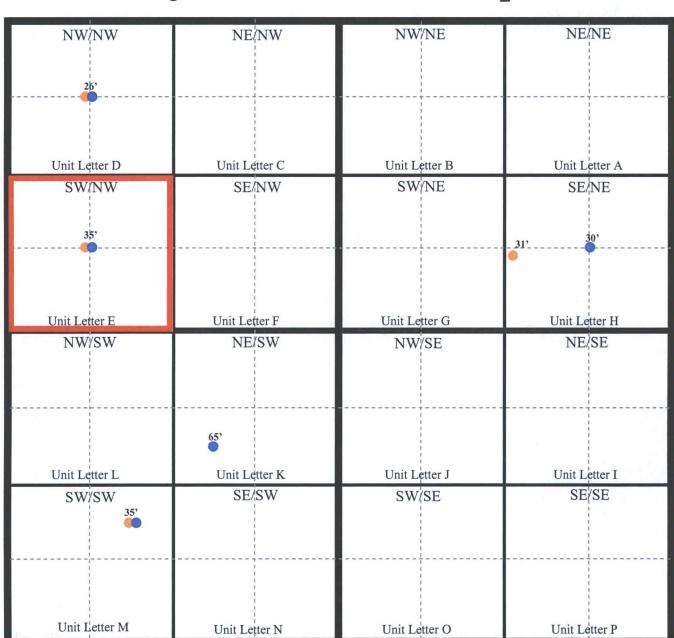
Section 10

Township 19S Range 37E

Trend Map <50'

1

2



3

4

Location

OCD

USGS

SEO

All Databases



March 13, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: EAST EUMONT #32

Enclosed are the results of analyses for samples received by the laboratory on 03/10/14 11:00.

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/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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.

Celey D. Keine

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



## Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

03/10/2014

Sampling Date:

03/10/2014

Reported:

Chloride, SM4500CI-B

03/13/2014

Sampling Type:

Soil

Project Name:

EAST EUMONT #32

Sampling Condition:

\*\* (See Notes)

Project Number:

NONE GIVEN

mg/kg

Result

144

Reporting Limit

16.0

Analyzed

03/12/2014

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

## Sample ID: SP 1 @ SURFACE (H400722-01)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	03/12/2014	ND	400	100	400	0.00	
Sample ID: SP 1 @ 1' (H4	00722-02)								
Chloride, SM4500CI-B		/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/12/2014	ND	400	100	400	0.00	
Sample ID: SP 1 @ 2' (H4	00722-03)								
Chloride, SM4500CI-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	03/12/2014	ND	400	100	400	0.00	
Sample ID: SP 1 @ 3' (H4	00722-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					

Method Blank

ND

400

% Recovery

100

True Value QC

400

Analyzed By: AP

## Cardinal Laboratories

Analyte

Chloride

\*=Accredited Analyte

RPD

0.00

Qualifier

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, 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 waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related above. This

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## **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

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising, 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 waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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 Laboratories.

Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Man	Project Manager: Cliff Brunson		P.O. #:	
Address: F	Address: P.O. Box 805		Company:	
city: Hobbs	State: NM	Zip: 88241	Attn:	
Phone #: 5	5-397-6388 Fax #:	575-397-0397	Address:	
Project #:	Project Owner:	ONU	City:	
Project Name:	10: East Eumont #32	21	State: Zip:	
Project Location:	-		Phone #:	
Sampler Name:	me: POGER HERMONE		Fax#:	01
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	21
		TER		
Lab I.D.	Sample I.D.	UNDWA TEWAT	BASE:	
H400722		# CO GRO		
	Spie Sulpace	01	2 310.14 836	
	101.	4	31.01/1 SA8	
(	2 62	1	2. 10. Ny dos	
	NA NA	1	010 M 101.5	
DI FASE NOTE: 1 la	SI EASE NOTE: I lability and Demonse Cardinal's liability and ritinal's averages are several for any chiefe shad in content or for shall be limited to the amount out but he client for the	v dain arising whether based in contract	or tool shall be limited to the amount hold by the client for	

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

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

Time:

Received By:

SER Heaning

1.01.2

Phone Result: Fax Result: REMARKS:

☐ Yes ☐ No

Add'l Phone #
Add'l Fax #: