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.

			Rel	ease Notific	catio	n and Co	rrective A	ction				
						OPERA'				al Report	$\boxtimes$	Final Repo
Name of Co	mpany	Oxy Permia:	n Ltd.				Chancey Summe	ers		#1 110port		т илит теоро.
		tanolind Rd,		NM 88240		Telephone 1						<del></del>
Facility Nar		ıgston Ridge				Facility Typ						
Surface Ow	ner BLN	Л		Mineral C	)wner		· · · · · · · · · · · · · · · · · · ·		API No	. 30-025	35060	)
									7111110	. 50 025	55700	<u>,                                      </u>
Unit Letter	Section	Township	Range	Feet from the		N OF REI	Feet from the	Fast/W	est Line	County		
	İ .	_	_	1 cot from ano		. Doddii Diilo	1 cet from the	Lasti	CSt Line	County		
D	19	22S	32E							Lea Count	y, NM	
			]	Latitude <u>N 32.3</u>	8235(	<u>)°</u> Longitu	de <u>W 103.7213</u>	6°				
				NAT	URE	E OF RELI	EASE					
Type of Rele						Volume of			Volume R	lecovered	0 bbls	
Source of Re line	lease Ext	ernal corrosio	n on a 2"	steel production f	low		lour of Occurrence	ce	Date and	Hour of Dis	covery	
Was Immedia	ate Notice C	Hiven?				06/23/2014 If YES, To						
was inmitted	ate redirec C	IIVEII!		wnont? erding, Geoffrey l	Leking-N	MOCD; J	ennifer Van	Curen-	- BLM			
By Whom?	Kathy Pur	vis				Date and H						····
Was a Water		hed?					lume Impacting t					
			Yes 🛚	No								
If a Watercou	rse was Imp	oacted, Descri	be Fully.*	*								
Describe Cau External correreplaced.		•		n Taken.* line caused 10 bb	ls of o	il to leak onto t	he ground. No fl	luids wer	e recovered	d and the lir	e was 1	repaired or
Describe Area	a Affected a	nd Cleanup A	ction Tak	cen.*								
The affected a Oberding of N	area is appro IMOCD via	oximately 10' Lemail on 10/	x 10' on a 15/2014 a	and off location. I and approved by S	Remed ol Hug	iation was com thes of the BLM	pleted in accorda I via email on 10	ance with 0/15/2014	the remed	liation plan	approv	ed by Tomas
regulations all public health should their o	l operators a or the environs ha ment. In ad	are required to conment. The a eve failed to a dition, NMO	report an acceptanc dequately CD accep	is true and compled/or file certain rese of a C-141 repoinvestigate and restance of a C-141 repoints.	elease r rt by the media	notifications an ne NMOCD ma te contaminatio	d perform correct rked as "Final Roon that pose a thre	tive action eport" do eat to gro	ons for rele es not relic ound water,	ases which : eve the oper , surface wa	may en ator of er, hur	danger liability nan health
				•			OIL CONS	SERV.	ATION I	<u>DIVISIO</u>	N	
Signature:			$\prec$	<del></del>								
Printed Name	: Chance	y Summers	Control Name of Street, Street			Approved by I	Environmental Sp	pecialist:	Jocely	n Harimo	n	
Title: HES	Specialist					Approval Date	2 07/13/2023	3 E	xpiration I	Pate:		
E-mail Addres	ss: <u>Chanc</u>	ey.Summers@	@oxy.com	<u> </u>		Conditions of	Approval:			Attached		
Date: /-	7-15	-	Phone:	(575) 397-8216	5							

#### **Kathy Purvis**

From: Hughes, Solomon <shughes@blm.gov>
Sent: Tuesday, January 13, 2015 2:56 PM

**To:** Oberding, Tomas, EMNRD

**Cc:** Kathy Purvis; C J Summers; Susan Miller; cbrunson@bbcinternational.com;

kswinney@bbcinternational.com; jqilkey@bbcinternational.com

**Subject:** Re: Closure Report, Livingston Ridge 19 Federal #1 CTB

Kathy,

Good to go.

Thanks, Sol

#### **Sol Hughes**

Environmental Protection Division Bureau of Land Management 620 E. Greene St Carlsbad, NM

Office: 575.234.5951 Cell: 575.499.3378

On Mon, Jan 12, 2015 at 12:20 PM, Oberding, Tomas, EMNRD < Tomas. Oberding@state.nm.us > wrote:

Aloha Ms. Purvis, Mr. Hughes et al,

Thank you for sending this document.

Based on depth to groundwater, and sample results provided, OCD conditionally approves closure of this event based on the following stipulation-

1) Obtain concurrence from the BLM

Your RP for this event was

1RP-3173

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD

Hydrologist-Advanced

Oil Conservation Division, EMNRD

(575) 393-6161 ext 111

E-Mail: tomas.oberding@state.nm.us

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.

From: Kathy Purvis [mailto:kathy@bbcinternational.com]

Sent: Monday, January 12, 2015 11:52 AM

To: Oberding, Tomas, EMNRD

Cc: C J Summers; Susan Miller; cbrunson@bbcinternational.com; kswinney@bbcinternational.com;

jgilkey@bbcinternational.com

Subject: Closure Report, Livingston Ridge 19 Federal #1 CTB

Attached is the closure report for a leak that occurred at the Livingston Ridge 19 Federal #1 CTB on 06/23/2014 in Lea County, NM. Receipt notification via email is greatly appreciated.

Kathy Purvis

BBC International, Inc.

1324 W. Marland

Hobbs, NM 88240

Phone: (575) 397-6388

Fax: (575) 397-0397

Email: <u>kathy@bbcinternational.com</u>

## **Closure Report**

	Site Description							
Site Name:	Livingston Ridge 19 Federal #1 CTB							
Company:	Oxy Permian Ltd.							
Legal Description:	U/L D, Section 19, T22S, R32e							
County:	Lea County, NM							
GPS Coordinates:	N 32.38202° W 103.72176°							

	Release Data
Date of Release:	06/23/2014
Type of Release:	Oil
Source of Release:	External corrosion on a 2" steel production flow line
Volume of Release:	10 bbls
Volume Recovered:	0 bbls

	Remediation Specifications								
Remediation Parameters:	Excavate the entire leak site to a depth of 1 foot. Backfill the site with clean soil.								
Remediation Activities:	12/17/2014 to 12/19/2014								

Plan Sent to OCD:	10/14/2014	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	10/15/2014	Email from Tomas Oberding to Cliff Brunson
Plan Sent to BLM:	10/15/2014	Email from Cliff Brunson to Sol Hughes
BLM Approval of Plan:	10/15/2014	Email from Sol Hughes to Cliff Brunson

	Supporting Documentation
Initial C-141	Signed 07/10/2014
Final C-141	Signed 01/07/2015
Site Diagram	July 2014
Groundwater Plot	225'
TOPO Maps	July 2014
Lab Summary	09/02/2014
Lab Analysis	09/02/2014
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.

01/12/2015

Form C-141

Revised August 8, 2011

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

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

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

*****						0, 11111 070	- 02					
			Rele	ease Notifi	catio	n and Co	orrective A	ction	[			
						OPERA'	ГOR			al Report		Final Repor
Name of Co	ompany	Oxy Permia	n Ltd.			Contact C	Chancey Summe	ers				
Address	1017 W. S	tanolind Rd,	Hobbs, 1	VM 88240		Telephone l						
Facility Na		ngston Ridge				Facility Typ						
C												
Surface Ow	ner BLI	VI		Mineral (	)wner				API No	30-025	35960	)
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/V	Vest Line	County		
D	19	22S	32E			•				T C	NYN C	
	17	220			1					Lea Count	y, NM	
			1	Latitude <u>N 32.3</u>	82350	<u> </u>	de <u>W 103.7213</u>	<u>6°</u>				
				NAT	URE	OF RELI	EASE					
Type of Rele						Volume of		ls	Volume I	Recovered	0 bbls	
Source of Re	lease Ext	ernal corrosio	n on a 2" s	steel production f	low		our of Occurrenc	e	Date and	Hour of Dis	covery	
line Was Immedi	-4- N-4! C	7:				06/23/2014						
was militedi	ate Notice C		Yes $\square$	No 🔲 Not Ro	eguired	If YES, To	whom? ording, Geoffrey I	_eking_N	JMOCD <sup>,</sup> I	ennifer Van	Curen.	- RI M
By Whom?	Kathy Pur			110 🗀 11001		.	our 06/23/2014			ommer van	Curon	- БЕДУІ
Was a Water							lume Impacting t					
			Yes 🛛	No		11 125, 70	ranio impaomig t	ito tracc	roourse.			
If a Watercou	iree was Imi	nacted Descri	he Fully *							<del>-</del>		
11 4 17 4101000	arse was mi	pacica, Descri	oc i uity.									
- II -												
Describe Cau	ise of Proble	em and Remed	ial Action	Taken.*								
External corr	ocion on a 7	" steel produc	tion flow	line coused 10 bb	Is of oil	l to look anta t	he ground. No fl			114.11		
replaced.	osion on a 2	sieer produc	tion now	inte caused 10 bo	is of on	to leak onto t	ne ground. No n	uias wei	e recovere	a and the Iir	ie was i	repaired or
1-6-10-00												i
Describe Are	a Affected a	ınd Cleanup A	ction Take	en.*								
The affected a	area is appro	oximately 10'	x 10' on a	nd off location.	Remedi	ation will be c	ompleted in acco	rdance v	vith a reme	diation plan	approv	ved by
NMOCD and	the BLIVI.											
I hereby certi	fy that the in	nformation giv	en above	is true and compl	ete to tl	ne hest of my l	cnowledge and u	nderstan	d that nure	uant to NM(	)(T) ru	les and
regulations al	l operators a	are required to	report and	d/or file certain re	elease n	otifications an	d perform correct	tive actic	ons for rele	eases which	mav en	danger
public health	or the envir	onment. The a	acceptance	e of a C-141 repo	rt by the	e NMOCD ma	rked as "Final Re	eport" do	es not reli-	eve the oner	ator of	liability
should their o	perations ha	ave failed to ac	lequately	investigate and re	mediate	e contaminatio	on that pose a thre	at to gre	ound water	surface was	er, hur	nan health
or the environ	ıment. İn ac	ldition, N <u>MO</u> (	CD accept	ance of a C-141 1	eport d	oes not relieve	the operator of r	esponsil	oility for co	ompliance w	ith any	other
federal, state,	or local law	/s and/or regul	ations.									
	Comment of the Commen	The same of the sa		_			OIL CONS	SERV.	<u>ATION</u>	<u>DIVISIO</u>	N	
Signature:	A. Carrier											
	***					Approved by I	Environmental Sp	saaialist:				
Printed Name	: Chance	y Summers				Approved by I	ziiviioiiiieiitai sp	eciansi.				
Tida IIDO	Cmaataliat											
Title: HES	Specialist					Approval Date	<u>:</u>	ĮΕ	xpiration I	Oate:		
E-mail Addre	ss: <u>Chanc</u>	ey.Summers@	oxy.com			Conditions of	Approval:				_	i
	7-10						11			Attached	Ш	
Date:	/~!V		Phone	(575) 397-8216	í l					i		

District I
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### 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.

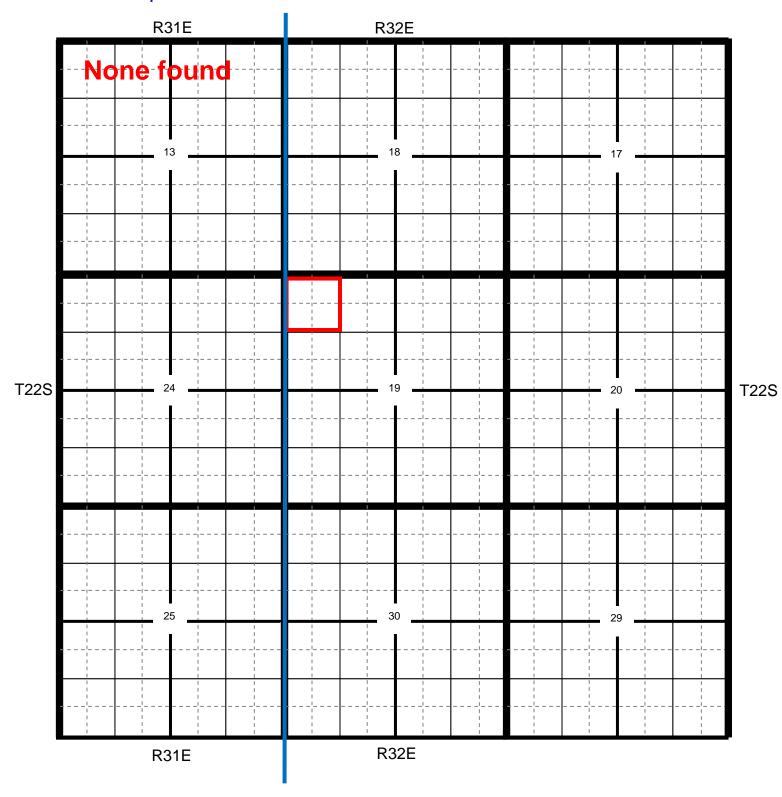
			Rele	ease Notifi	catior	and Co	orrective A	ction			•	
Įr.						OPERA'	ГOR		☐ Initi	al Report	$\boxtimes$	Final Repor
Name of Co		Oxy Permia		T. 6000 10			Chancey Summe					
Address Facility Nar		tanolind Rd, ngston Ridge				Telephone I		<del>'-8216</del>				
			5 19 Fede			Facility Typ	e Battery					
Surface Ow	ner BLI	<u>M</u>		Mineral (	Owner				API No	. 30-025-	-3596	0
<u>,</u>					ATION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	est Line	County		
D	19	22S	32E							Lea Count	y, NM	ſ
			]	Latitude <u>N 32.3</u>	82350°	Longitu	de <u>W 103,7213</u>	<u>6°</u>				
				NAT	URE	OF RELI	EASE					
Type of Rele						Volume of		ls	Volume F	Recovered	0 bbl	S
Source of Re line						Date and H 06/23/2014	lour of Occurrenc	e	Date and	Hour of Dise	covery	7
Was Immedia	ate Notice C		Ves -	No 🔲 Not Re	equired	If YES, To	Whom? erding, Geoffrey I	eking-N	IMOCD, I	annifor Von	Curer	n PIM
By Whom?	Kathy Pur		103	110 110010		Date and H				emmer van	Curei	I- DUM
Was a Water	course Reac	hed?	·		<del>.</del>		lume Impacting t					
			Yes 🛚	No		ĺ	. 5					
If a Watercou	rse was Imp	pacted, Descr	ibe Fully.*		•							
Describe Cau	ee of Proble	am and Dame	dial Action	Takan *								
External corre	osion on a 2	" steel produc	ction flow	line caused 10 bb	ls of oil	to leak onto t	he ground. No fl	uids wer	e recovere	d and the lin	ie was	repaired or
replaced.												
Describe Area	Affected a	ind Cleanup A	Action Tak	en.*								
The affected a	rea is annr	oximately 10'	x 10' on a	and off location.	Remedia	tion was com	inleted in accorda	ıncə with	the remar	liotion plan	1 <b>13191</b> 01	and has Tomas
Oberding of N	iMOCD via	email on 10/	/15/2014 a	nd approved by S	ol Hugh	es of the BLN	A via email on 10	/15/2014	t the reflect 1.	паноп ріап а	аррго	red by Tollias
I havaby contit	Se that the is	afarmation ai	rian alearra	is topo and some		- 1 C 1	1111	1	1.1	NB 66	) (II)	1 1
				is true and comp d/or file certain re								
public health	or the envir	onment. The	acceptanc	e of a C-141 repo	rt by the	NMOCD ma	rked as "Final Re	eport" do	es not relie	eve the opera	ator of	f liability
should their o	perations ha	ave failed to a	dequately	investigate and re ance of a C-141 i	emediate	contaminatio	on that pose a three	eat to gro	und water	, surface wat	ter, hu	man health
federal, state,	or local law	/s and/or regu	lations.	ance of a C-141	eport do	es not reneve	the operator of r	esponsio	omity for ec	ompiiance w	un any	y otner
			7	5			OIL CONS	SERVA	ATION	DIVISIO	N	
Signature:			$\searrow$									
			The same of the sa			nproved by I	Environmental Sp	ecialist:				
Printed Name	Chance	y Summers										
Title: HES	Specialist	, , , , , , , , , , , , , , , , , , , ,			A	pproval Date	<u>.</u>	E	xpiration I	Date:		
E-mail Addres	ss: <u>Chanc</u>	ey.Summers(	@oxy.com		c	onditions of	Approval:		A 44 m m m m			
Date: 1-	7-15	•	D1	(ETE) 20T 0C1					Attached			
* Attach Additi			Phone:	(575) 397-821	.)					<u> </u>		

## **Groundwater Plot**

## Oxy Livingston 19 Federal #1 CTB

CountyUnit LetterSectionTownshipRangeLeaD1922S32E

Trend Map 225'



USGS

SEO

All Databases

OCD

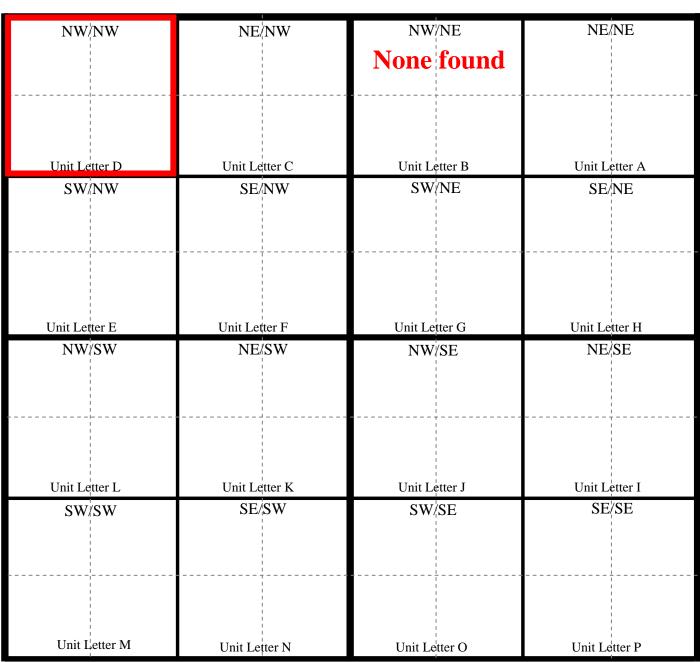
#### **Section Quarters**

## Oxy Livingston Ridge 19 Fed #1 CTB

CountyUnit LetterSectionTownshipRangeLeaD1922S32E

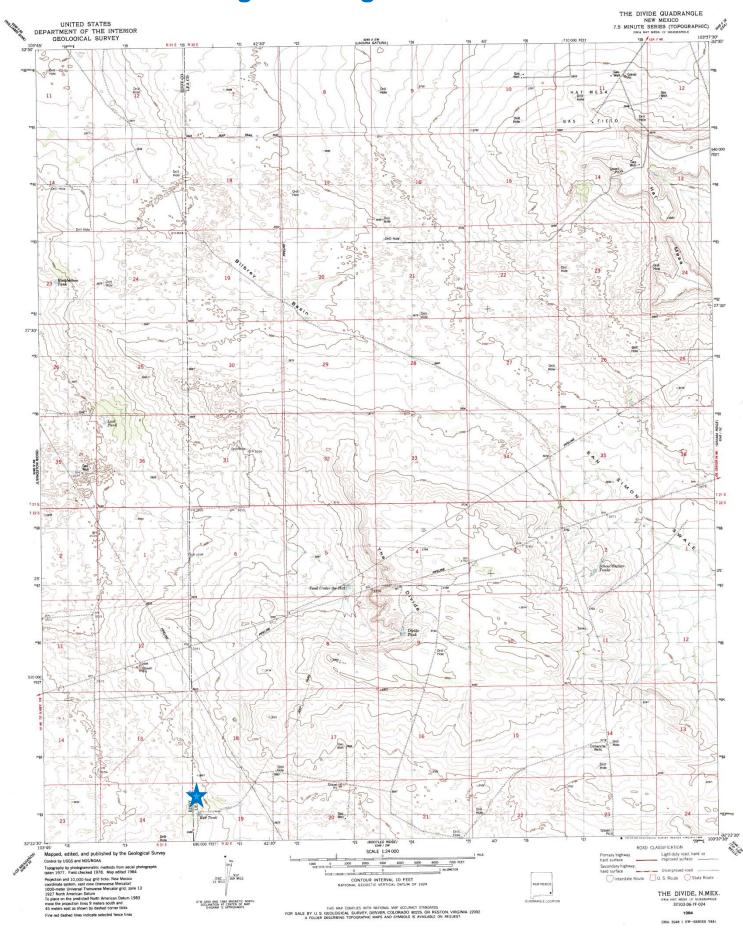
Trend Map 225'

1



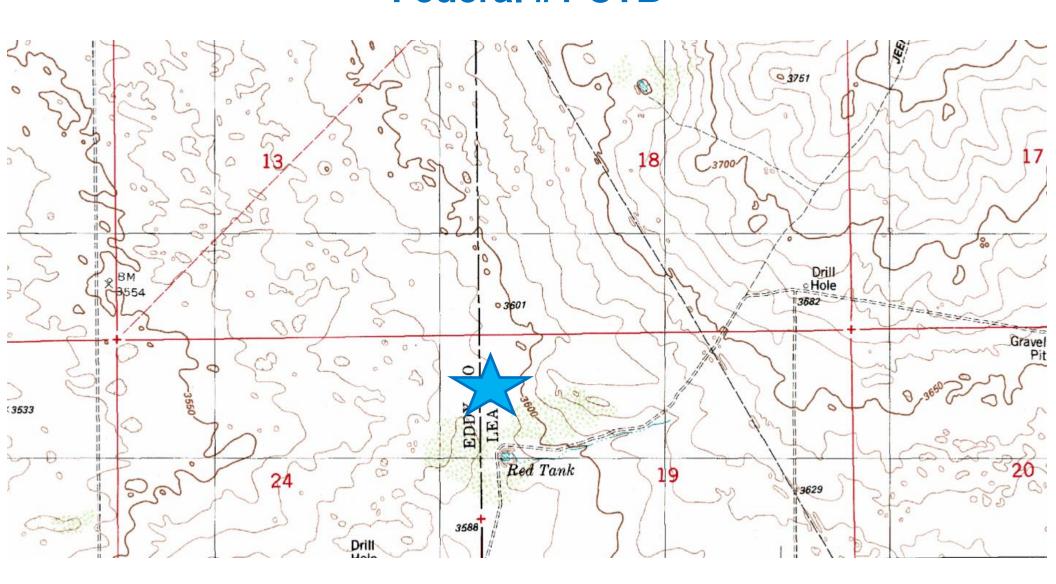
3

## **Livingston Ridge 19 Fed #1 CTB**



# Oxy

# **Livingston Ridge 19 Federal #1 CTB**



Received by OCD: 3/8/2023 1:37:38 PM

#### Laboratory Analytical Results Summary Livingston Ridge 19 Federal #1

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 8'
Analyte	Method	Date	9/2/14	9/2/14	9/2/14	9/2/14	9/2/14	9/2/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		1.95	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		1.93	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
<b>Total Xylenes</b>	BTEX 8021B		11.4	<0.150	<0.150	<0.150	<0.150	< 0.150
Total BTEX	BTEX 8021B		15.3	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
GRO	TPH 8015M		819	<50.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		35100	1240	207	90.8	<10.0	38.8



September 11, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LIVINGSTON RIDGE 19 FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 09/04/14 16:55.

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">www.tceq.texas.gov/field/ga/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)

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



#### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/04/2014 Sampling Date: 09/02/2014

Reported: 09/11/2014 Sampling Type: Soil

Project Name: LIVINGSTON RIDGE 19 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - MILLS RANCH

#### Sample ID: SP 1 @ SURFACE (H402757-01)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	09/11/2014	ND	1.83	91.7	2.00	13.4	
Toluene*	1.95	0.500	09/11/2014	ND	1.65	82.5	2.00	14.4	
Ethylbenzene*	1.93	0.500	09/11/2014	ND	1.73	86.7	2.00	14.7	
Total Xylenes*	11.4	1.50	09/11/2014	ND	5.36	89.3	6.00	14.8	
Total BTEX	15.3	3.00	09/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 89.4-12	6						
TPH 8015M	mg,	/kg	Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	819	100	09/08/2014	ND	157	78.7	200	3.06	
DRO >C10-C28	35100	100	09/08/2014	ND	182	90.8	200	10.2	
Surrogate: 1-Chlorooctane 164		% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1720	% 63.6-15	4						

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 whistoever 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 & Keene



#### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/04/2014 Sampling Date: 09/02/2014

Reported: 09/11/2014 Sampling Type: Soil

Project Name: LIVINGSTON RIDGE 19 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - MILLS RANCH

#### Sample ID: SP 1 @ 1 (H402757-02)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2014	ND	1.83	91.7	2.00	13.4	
Toluene*	<0.050	0.050	09/11/2014	ND	1.65	82.5	2.00	14.4	
Ethylbenzene*	<0.050	0.050	09/11/2014	ND	1.73	86.7	2.00	14.7	
Total Xylenes*	<0.150	0.150	09/11/2014	ND	5.36	89.3	6.00	14.8	
Total BTEX	<0.300	0.300	09/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/08/2014	ND	157	78.7	200	3.06	
DRO >C10-C28	1240	50.0	09/08/2014	ND	182	90.8	200	10.2	
Surrogate: 1-Chlorooctane	102 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	141 9	63.6-15	4						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/04/2014 Sampling Date: 09/02/2014

Reported: 09/11/2014 Sampling Type: Soil

Project Name: LIVINGSTON RIDGE 19 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - MILLS RANCH

#### Sample ID: SP 1 @ 3 (H402757-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2014	ND	1.83	91.7	2.00	13.4	
Toluene*	<0.050	0.050	09/11/2014	ND	1.65	82.5	2.00	14.4	
Ethylbenzene*	<0.050	0.050	09/11/2014	ND	1.73	86.7	2.00	14.7	
Total Xylenes*	<0.150	0.150	09/11/2014	ND	5.36	89.3	6.00	14.8	
Total BTEX	<0.300	0.300	09/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 89.4-12	6						
TPH 8015M	mg,	'kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/08/2014	ND	157	78.7	200	3.06	
DRO >C10-C28	207	10.0	09/08/2014	ND	182	90.8	200	10.2	
Surrogate: 1-Chlorooctane	94.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.0	% 63.6-15	4						

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Celey D. Keene



#### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/04/2014 Sampling Date: 09/02/2014

Reported: 09/11/2014 Sampling Type: Soil

Project Name: LIVINGSTON RIDGE 19 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - MILLS RANCH

#### Sample ID: SP 1 @ 5 (H402757-04)

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	09/11/2014	ND	1.83	91.7	2.00	13.4	
Toluene*	<0.050	0.050	09/11/2014	ND	1.65	82.5	2.00	14.4	
Ethylbenzene*	<0.050	0.050	09/11/2014	ND	1.73	86.7	2.00	14.7	
Total Xylenes*	<0.150	0.150	09/11/2014	ND	5.36	89.3	6.00	14.8	
Total BTEX	<0.300	0.300	09/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 89.4-12	6						
TPH 8015M	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/08/2014	ND	157	78.7	200	3.06	
DRO >C10-C28	90.8	10.0	09/08/2014	ND	182	90.8	200	10.2	
Surrogate: 1-Chlorooctane	94.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	109 9	63.6-15	4						

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#### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/04/2014 Sampling Date: 09/02/2014

Reported: 09/11/2014 Sampling Type: Soil

Project Name: LIVINGSTON RIDGE 19 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - MILLS RANCH

#### Sample ID: SP 1 @ 7 (H402757-05)

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	09/11/2014	ND	1.83	91.7	2.00	13.4	
Toluene*	<0.050	0.050	09/11/2014	ND	1.65	82.5	2.00	14.4	
Ethylbenzene*	<0.050	0.050	09/11/2014	ND	1.73	86.7	2.00	14.7	
Total Xylenes*	<0.150	0.150	09/11/2014	ND	5.36	89.3	6.00	14.8	
Total BTEX	<0.300	0.300	09/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 89.4-12	6						
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	09/08/2014	ND	157	78.7	200	3.06	
DRO >C10-C28	<10.0	10.0	09/08/2014	ND	182	90.8	200	10.2	
Surrogate: 1-Chlorooctane	98.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 63.6-15	4						

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#### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/04/2014 Sampling Date: 09/02/2014

Reported: 09/11/2014 Sampling Type: Soil

Project Name: LIVINGSTON RIDGE 19 FEDERAL #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - MILLS RANCH

#### Sample ID: SP 1 @ 8 (H402757-06)

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	09/11/2014	ND	1.83	91.7	2.00	13.4	
Toluene*	<0.050	0.050	09/11/2014	ND	1.65	82.5	2.00	14.4	
Ethylbenzene*	<0.050	0.050	09/11/2014	ND	1.73	86.7	2.00	14.7	
Total Xylenes*	<0.150	0.150	09/11/2014	ND	5.36	89.3	6.00	14.8	
Total BTEX	<0.300	0.300	09/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 89.4-12	6						
TPH 8015M	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/08/2014	ND	157	78.7	200	3.06	
DRO >C10-C28	38.8	10.0	09/08/2014	ND	182	90.8	200	10.2	
Surrogate: 1-Chlorooctane	96.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105	% 63.6-15	4						

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#### **Notes and Definitions**

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. Analyte NOT DETECTED at or above the reporting limit ND

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

Relinguished By.  Delivered By: (Circle One)  Sampler - UPS - Bus - Other:  † Cardinal cannot accept verb	shall Caldinal be liable for incidents as a sisting out of or released to the period By:	lia	30105 80	S/ 5//5	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Lab I.D. Samp	FOR LAB USE ONLY:	Sampler Name: VAR C	Project Name: Lyking St	Project #:	Phone #: 575-397-6388		Address: P.O. Box 805	554 000	A Maril . Street,
Pate: 4, 14 Received By:    Condition   CHECK   Condition   CHECK   Ch	of consequented damages, including without limitation, business made in writing of consequented damages, including without limitation, business interruption formance of services hereunder by Carolina's requestless of whither such damages.    Date:   Received By:	ily and client's exclusive remed) for any platmacking whether based in con-			The C	G) (G)RAB OR (C) OM  # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	n MATRIX	ranch	on Ridge 19 Adag #	Project Owner: OXY	575-	State: NM Zip: 88241	SOIT	BBC International, Inc.	101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
ition CHECKED BY:  (Minigs)  505-393-2476	by Cardinal within 30 days after completion of the applicable use, or loss of profits incorred by client, it is substitionine.  Loon any of the above stated reasons or otherwise  Foundation of the above stated reasons or otherwise  Fax Result:  REMARKS:	ract or bot, sheat be limited to the amount paid by the client for he	2 V 1974 F 1	1/00 + 7	X 2 5 8 5 X X X X X X X X X X X X X X X X X	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	X PRESERV SAMPLING	Phone #:	State: Zip:	city.	ess: Sgs	Company;	P.O.#.	SITT TO	
	Yes □ No  Add'  Phone #: Yes □ No  Add'  Fax #:						×							ANALYSIS REQUEST	

#### **Kathy Purvis**

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>

Sent: Wednesday, October 15, 2014 10:56 AM

**To:** Cliff P. Brunson

Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis; jamos@blm.gov; Robertson,

Jeffery; Hughes, Solomon

**Subject:** RE: OXY - Livingstone Ridge 19 Federal #1 CTB - Remediation Plan

Aloha Mr. Brunson et al,

Thank you for the concise work plan. Please consider this the OCD notice of receipt.

Based on depth to groundwater and sample results, OCD conditionally grants approval of the scope of work outlined in the email.

Conditions include:

1) BLM approval and concurrence with the work plan.

Please keep us informed as the situation warrants.

Mahalo for your help,

Doc

Tomáš 'Doc' Oberding, PhD

Environmental Specialist – New Mexico Oil Conservation Division

Energy, Minerals and Natural Resources Department

1625 N. French Dr. Hobbs, NM 88240

(O): (575) 393-6161 ext 111

(C): 575-370-3180 (F): (575) 393-0720

E-Mail: tomas.oberding@state.nm.us

Website: <a href="http://www.emnrd.state.nm.us/ocd/">http://www.emnrd.state.nm.us/ocd/</a>

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

Sent: Tuesday, October 14, 2014 7:14 PM

To: Oberding, Tomas, EMNRD

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

Subject: OXY - Livingstone Ridge 19 Federal #1 CTB - Remediation Plan

Tomas,

This e-mail is to confirm our conversation on September 19, 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 foot in the entire leak area as 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
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
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\*\*\*\*\*\*\*\*\*\*\*\*\*

#### **Kathy Purvis**

From: Hughes, Solomon <shughes@blm.gov>
Sent: Wednesday, October 15, 2014 1:41 PM

**To:** Oberding, Tomas, EMNRD

Cc: Cliff P. Brunson; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis;

jamos@blm.gov; Robertson, Jeffery

**Subject:** Re: OXY - Livingstone Ridge 19 Federal #1 CTB - Remediation Plan

Hello All,

This plan is approved as read.

Please, send all cleanup plans involving BLM lands and/or minerals to both the BLM and OCD, as the joint approval of both agencies is required for these cleanups.

Thanks, Sol

#### Sol Hughes

Environmental Protection Division Bureau of Land Management 620 E. Greene St Carlsbad, NM

Office: 575.234.5951 Cell: 575.499.3378

On Wed, Oct 15, 2014 at 10:55 AM, Oberding, Tomas, EMNRD < Tomas. Oberding@state.nm.us> wrote:

Aloha Mr. Brunson et al,

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Mahalo for your help,

Doc

Tomáš 'Doc' Oberding, PhD

Environmental Specialist – New Mexico Oil Conservation Division

Energy, Minerals and Natural Resources Department

1625 N. French Dr.

Hobbs, NM 88240

(O): (575) 393-6161 ext 111

(C): 575-370-3180

(F): (575) 393-0720

E-Mail: tomas.oberding@state.nm.us

Website: http://www.emnrd.state.nm.us/ocd/

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

Sent: Tuesday, October 14, 2014 7:14 PM

To: Oberding, Tomas, EMNRD

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

Subject: OXY - Livingstone Ridge 19 Federal #1 CTB - Remediation Plan

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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
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World-Wide Environmental Specialists
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E-Mail: <a href="mailto:cbrunson@bbcinternational.com">cbrunson@bbcinternational.com</a>
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Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 194969

#### **CONDITIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294 Houston, TX 772104294	Action Number: 194969
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

#### CONDITIONS

Created By	Condition	Condition Date
jharimon	None	7/13/2023