Closure Report

	RECEIVED
l	OCT 3 1 2013

	Site Description NMCCD ARTESIA
Site Name:	Old Ranch Knoll 8 Federal #7 (2 leaks)
Company:	Oxy Permian Ltd.
Legal Description:	U/L G, Section 8, T22S, R24E
County:	Eddy County, NM
GPS Coordinates:	N 32.40720° W 104.51900°

	Release Data
Date of Release:	09/27/2012 and 01/15/2013
Type of Release:	Oil & produced water- Leak 1, Produced water- Leak 2
Source of Release:	Unknown- Leak 1, Frozen line- Leak 2
Volume of Release:	8 bbls- Leak 1, 20 bbls- Leak 2
Volume Recovered:	0 bbls- Both leaks

and the second s	Remediation Specifications
Remediation	Excavate to a depth of 1 foot across the entire leak site.
Parameters:	Obtain confirmation samples at the bottom of the excavation and test these samples for TPH and BTEX. Backfill the site with clean soil.
Remediation Activities:	09/03/2013 to 10/25/2013

Final Plan Sent to OCD:	04/03/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	04/18/2013	Email from Mike Bratcher to Cliff Brunson
Final Plan Sent to BLM:	04/18/2013	Email from Cliff Brunson to James Amos
BLM Approval of Plan:	04/19/2013	Email from James Amos to Cliff Brunson

Anna Carlos	Supporting Documentation
Initial C-141	Signed 10/10/2012 and 01/17/2013
Final C-141	Signed 10/28/2013
Site Diagram	October 2012 and January 2013
Groundwater Plot	100'
TOPO Maps	October 2012
Lab Summary	10/29/2012, 02/06/2013, and 10/09/2013
Lab Analysis	10/29/2012, 02/06/2013, and 10/09/2013
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.

10/29/2013

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised October 10, 2003 Submit 2 Copies to appropriate

Form C-141

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

Release Notification and Corrective Action **OPERATOR** Initial Report Final Report Contact Christopher Jones Name of Company Oxy Permian Ltd. 1502 W. Commerce Dr., Carlsbad, NM Address Telephone No. (575) 628-4121 Facility Name Old Ranch Knoll 8 Fed #7 Facility Type Well Surface Owner BLM Mineral Owner Lease No. API#30-015-32621 LOCATION OF RELEASE Range Feet from the Unit Letter Section Township Feet from the North/South Line East/West Line County 8 1790 G **22S** 24E 2170 E Eddy County, NM Latitude N 32.40720° Longitude W 104,51900° NATURE OF RELEASE Type of Release Oil and Produced water Volume of Release Volume Recovered o bbls estimated 8 bbls Source of Release Unknown Date and Hour of Occurrence Date and Hour of Discovery Unknown 09/27/2012 @ 3:30 pm If YES, To Whom? Was Immediate Notice Given? BLM notified Oxy since the spill was discovered by James Amos of the BLM. By Whom? Spill was discovered by James Amos of the BLM Date and Hour 09/27/2012 @ 3:30 pm If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? RECEIVED ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* OCT 31 2013 NMOCD ARTESIA Describe Cause of Problem and Remedial Action Taken.* An unknown source caused an estimated 8 bbls of oil and produced water to leak onto the ground. 0 bbls were recovered. Describe Area Affected and Cleanup Action Taken.* The area affected was approximately 20' x 20' and 8' x 104'. Remediation will be performed according to an OCD and BLM approved remediation plan. 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, NM ICD acceptance of a C-1+1-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 District Supervisor: Printed Name: Christopher Jones Title: HES Specialist Approval Date: **Expiration Date:** E-mail Address: Christopher Jones@oxy.com Conditions of Approval: Attached [

Phone: (575) 628-4121

Date: 10/19/1

^{*} Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003

Form C-141

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

Release Notification and Corrective Action

						OPERA'			itial Report Final Report
Name of Co		Oxy Permia			\	Contact C	Christopher Jone	S	
Address 1	502 W. C	Commerce Dr	., Carlsba	ad, NM	′	Felephone 1	No. (575) 628-	-4121	
Facility Name Old Ranch Knoll 8 Federal #7						Facility Typ	е		
Surface Owner BLM Mineral Owner					wner			Lease	No. API#30-015-32621
				LOCA	TION	OF RE	FASE		
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Line	County
Offic Perfet	Scotton	Township	Range	reet from the	Nocui	South Pille	reet nom me	Lasu West Lill	County
G	8	22S	24E	1790	1	North	2170	East	Eddy County, NM
	Latitude N 32.40715° Longitude W 104.51900								
				NAT	URE	OF REL	EASE		
Type of Relea	ise Prodi	uced water			•	Volume of	Release 20 bbls	s Volum	e Recovered 0 bbls
Source of Rel	ease Wa	ter dump line	at Victaul	ic clamp froze and	d broke	Date and H 1/15/13	lour of Occurrence	e Date ar	nd Hour of Discovery
Was Immedia	te Notice (Given?		<u></u>		If YES, To	Whom?		
			Yes	No Not Re	quired		cher- OCD, James	Amos-BLM,	
By Whom?	Christoph	ner Jones				Date and H		7:13 am	
Was a Watero							lume Impacting th		
☐ Yes ⊠ No						·	, ,		
If a Watercourse was Impacted, Describe Fully.*							RECEIVED		
	0CT 3.1 2013							OCT 31 2013	
									001 01 2010
Describe Cause of Problem and Remedial Action Taken.*									
A water dump					20 bbls o	of produced v	vater to leak onto	the ground. 0 b	ols were recovered and the line
was repaired.	was repaired.								
Describe Area	Affected a	and Cleanup A	ction Tak	en.*					
The area affe	cted is appi luids were i	roximately 100 not recoverable)' x 40'. A c. Remedi	A water dump line iation will be perf	at the volumed in	ictaulic clam 1 accordance	p froze and broke with an OCD and	causing 20 bbls BLM approved	of produced water to leak onto remediation plan.
-				•					
I hereby certif	y that the i	nformation giv	en above	is true and compl	ete to th	e best of my	knowledge and un	derstand that pu	rsuant to NMOCD rules and
regulations all	operators	are required to	report an	d/or file certain re	elease no	tifications ar	id perform correct	ive actions for r	eleases which may endanger elieve the operator of liability
									ter, surface water, human health
or the environ	ment. In a	ddition, NMO	2D accept	ance of a C-141 r	eport do	es not relieve	e the operator of re	esponsibility for	compliance with any other
federal, state,		vs and/or regul	ettions.				0.77		
		1 A					OIL CONS	ERVATIO	N DIVISION
Signature:	_///-	//_/							
D. 1. 137		<i>.</i> .			A	pproved by	District Superviso	r:	
Printed Name	Christo	pHer Jones							
Title: HES	Specialist				A	pproval Date	e:	Expiratio	n Date:
E-mail Addres	ss: Christ	topher_Jones@	oxy.com		c	onditions of	Approval:		A 4411
Date: 1/1	7/13		Phone:	(575) 628-4121					Attached
		ts If Necessa		(3/3) 020-412					

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

						OPERA'	FOR		☐ Initia	al Report	\boxtimes	Final R	eport
Name of Company Oxy Permian Ltd.						Contact C	Christopher Jone	s					
Address 1502 W. Commerce Dr., Carlsbad, NM						Telephone No. (575) 628-4121							
Facility Name Old Ranch Knoll 8 Fed #7]	Facility Typ	e Well						
Surface Own	ner BLM	wner				Lease N	io. API#30	-015-3	2621				
				IOCA	TION	OF REI	TACE						
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	Fact/N	Vest Line	County			
G G	8	22S	24E	1790	rvorttiy							Ĭ	
								10	_E	Eddy Cour	ity, iniv	<u> </u>	
Latitude N 32.40720° Longitude W 104.51900°													
· · · · · · · · · · · · · · · · · · ·				NAT	URE	OF RELI		,					
Type of Release Oil and Produced water						Volume of Release Volume Recovered 0 bbls estimated 8 bbls							
Source of Rel	ease Unk	cnown					our of Occurrence	е		Hour of Disc			
						Unknown			09/27/201	2 @ 3:30 pr	n		
Was Immedia	ite Notice C		Yes 🗆	No 🔲 Not Re	aniead	If YES, To	Whom? led Oxy since the	am:11		d bri Tamas	A	of the DI	м
			169	NO LI NOTE	quiteu	DEN HOLI	led Oxy silice the	spin wa	is discovere	ou by Jaines	Aillos	ու աշ թբ	JIVI.
			James Am	os of the BLM			our 09/27/2012					·	
Was a Watercourse Reached?						If YES, Vo	lume Impacting t	he Wate					
			Yes 🛚	No						DEC	7		
If a Watercourse was Impacted, Describe Fully.* OCT 31 2013 NMOCD APTEON													
	Describe Cause of Problem and Remedial Action Taken.* An unknown source caused an estimated 8 bbls of oil and produced water to leak onto the ground. 0 bbls were recovered.							A					
Describe Area								****					
							ted in accordance M via email on 04			on plan app	roved t	y Mike	
T1 (2 .1 . 1 - 1	- C		• • • • • • • •	4	1					a d D		
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.						ih							
		1// /	//			OIL CONSERVATION DIVISION							
Signature:	/_												
Printed Name:	: Christon	oher Jones			A	Approved by	District Superviso	r:					
	Specialist					approval Date	e;	F	Expiration E	Date:			
													$\neg \neg$
E-mail Addres	ss: Christ	opher_Jones@	oxy.com		C	Conditions of	Approval:			Attached	П		
Date: 10/	28/13	>	Phon	e: (575) 628-41	121					Immorrou	_		}
Attach Additi	onal Chee	ts If Necessa	27.7										

State of New Mexico Energy Minerals and Natural Resources

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

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

side of form

Form C-141 Revised October 10, 2003

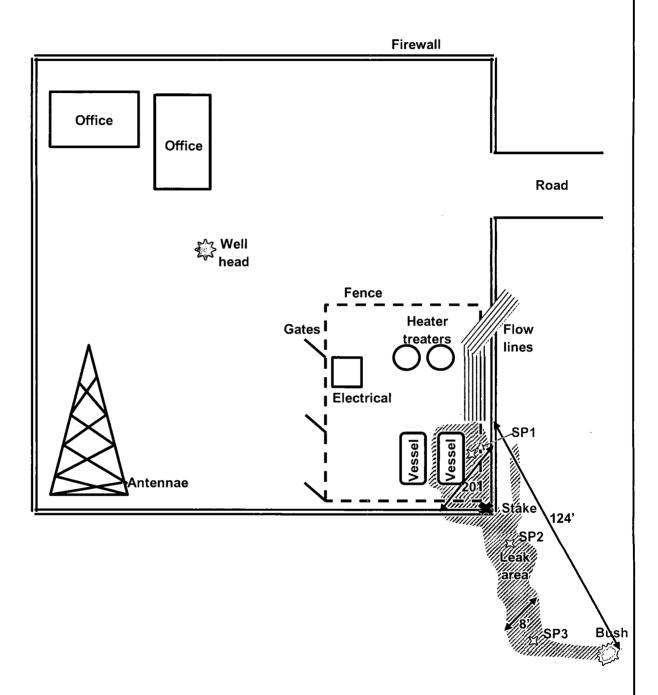
Name of Company Oxy Permian Ltd. Contact Christopher Jones Address 1502 W. Commerce Dr., Carlsbad, NM Telephone No. (575) 628-4121 Facility Name Old Ranch Knoll 8 Federal #7 Facility Type Surface Owner BLM Mineral Owner Lease No. API#30-015-32621 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County G 8 22S 24E 1790 North 2170 East Eddy County, NM Latitude N 32.40715° Longitude W 104.51900 NATURE OF RELEASE Type of Release Produced water Volume of Release 20 bbls Volume Recovered 0 bbls Source of Release Water dump line at Victaulic clamp froze and broke 1/15/13 Was Immediate Notice Given? If YES, To Whom? Mike Bratcher- OCD, James Amos-BLM,	l Repor			
Address 1502 W. Commerce Dr., Carlsbad, NM Telephone No. (575) 628-4121 Facility Name Old Ranch Knoll 8 Federal #7 Facility Type Surface Owner BLM Mineral Owner Lease No. API#30-015-32621 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County G 8 22S 24E 1790 North 2170 East Eddy County, NM Latitude N 32.40715° Longitude W 104.51900 NATURE OF RELEASE Type of Release Produced water Volume of Release 20 bbls Volume Recovered 0 bbls Source of Release Water dump line at Victaulic clamp froze and broke Date and Hour of Occurrence 1/15/13 Was Immediate Notice Given? If YES, To Whom?				
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Source of Release Water dump line at Victaulic clamp froze and broke Date and Hour of Occurrence 1/15/13 Was Immediate Notice Given? Date and Hour of Discovery If YES, To Whom?				
1/15/13 Was Immediate Notice Given? If YES, To Whom?				
IXI YES I I NO I I NOT REQUITED I MIKE Bratcher- CHILL James Amog-BLM				
Terry Gregston-BLM				
By Whom? Christopher Jones Date and Hour 1/16/13 @ 7:13 am				
Was a Watercourse Reached? ☐ Yes ☑ No If YES, Volume Impacting the Watercourse ☐ DECELVED				
It a watercourse was Impacted, Describe Fully.*	ļ			
OCT 31 2013				
NMOCD ARTESIA				
Describe Cause of Problem and Remedial Action Taken.*	<u> </u>			
A water dump line at the victaulic clamp froze and broke causing 20 bbls of produced water to leak onto the ground. 0 bbls were recovered and the lin	ine			
was repaired.	•			
Describe Area Affected and Cleanup Action Taken.*				
The area affected is approximately 100' x 40'. A water dump line at the victaulic clamp froze and broke causing 20 bbls of produced water to leak on	nto			
the ground. Fluids were not recoverable. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCI email on 04/18/2013 and approved by James Amos of the BLM via email on 04/19/2013.	D via			
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	d -			
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	tv			
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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 District Supervisor:				
Printed Name: Christopher Jones Approved by District Supervisor.				
Title: HES Specialist Approval Date: Expiration Date:	1			
E-mail Address: Christopher_Jones@oxy.com Conditions of Approval:				
Attached [
Date: 10/28/13 Phone: (575) 628-4121				

N

Old Ranch Knoll 8 Federal #7

Оху



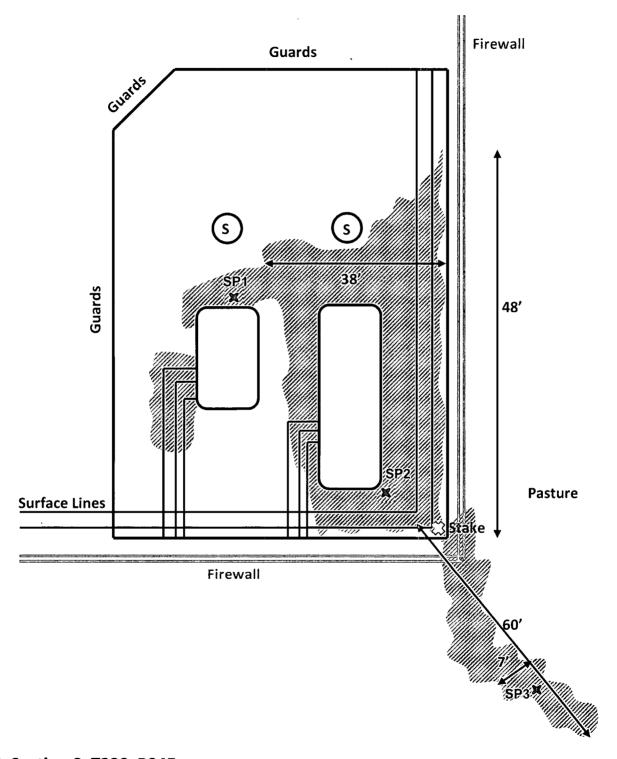


BBC International, Inc.					
Оху					
Old Ranch Knoll 8 Fed #7					
Date: 10/4/2012	DRWG by: K. Purvis				
NOT TO SCALE	File: Oxy 2012				



Оху

Old Ranch Knoll 8 Federal #7 (Leak date: 1/15/13)



U/L G, Section 8, T22S, R24E 1790' FNL and 2170' FEL Eddy County, NM N 32.40720° W 104.51900° API# 30-015-32621

BBC international, inc.						
Оху						
Old Ranch Knoll 8 Federal #7						
Date: 01/24/13	DRWG by: K. Purvis					
NOT TO SCALE	File: Oxy 2013					

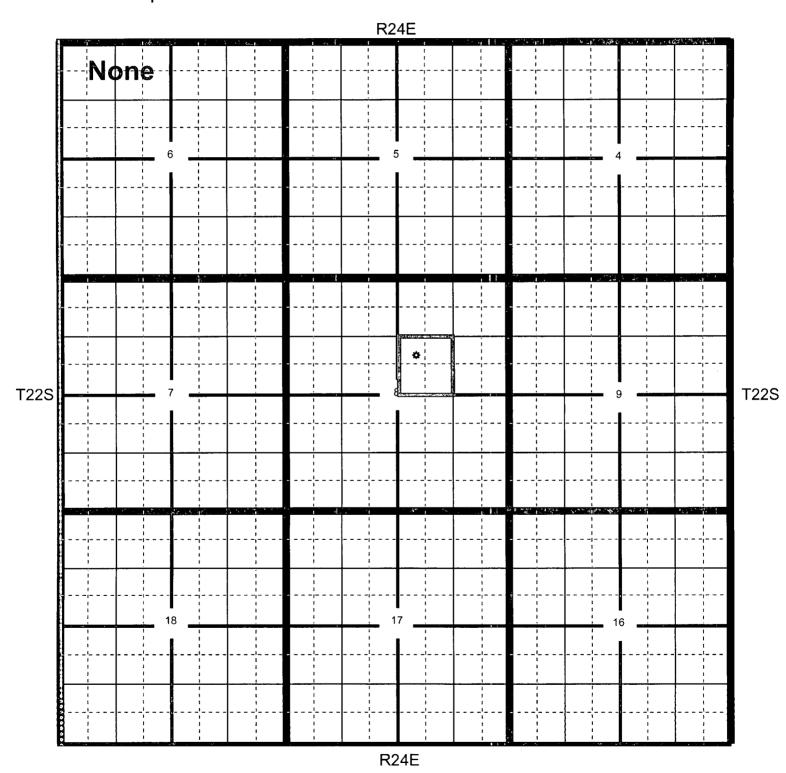


Groundwater Plot

Oxy Old Ranch Knoll 8 Fed #7

CountyUnit LetterSectionTownshipRangeEddyG822S24E

Trend Map 100'



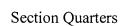
\$ Location

O OCD

OUSGS

○ SEO

All Databases





Oxy Old Ranch Knoll 8 Fed #7

County Eddy Unit Letter

Section 8 Township 22S Range 24E

Trend Map 100'

1

2

NW/NW	NE/NW	NW/NE	NE/NE
None		t 	
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E NW/SW	Unit Letter F NE/SW	Unit Letter G NW/SE	Unit Letter H NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit L'etter M	Unit Letter N	Unit Letter O	Unit Letter P

3

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☼ Location

o OCD

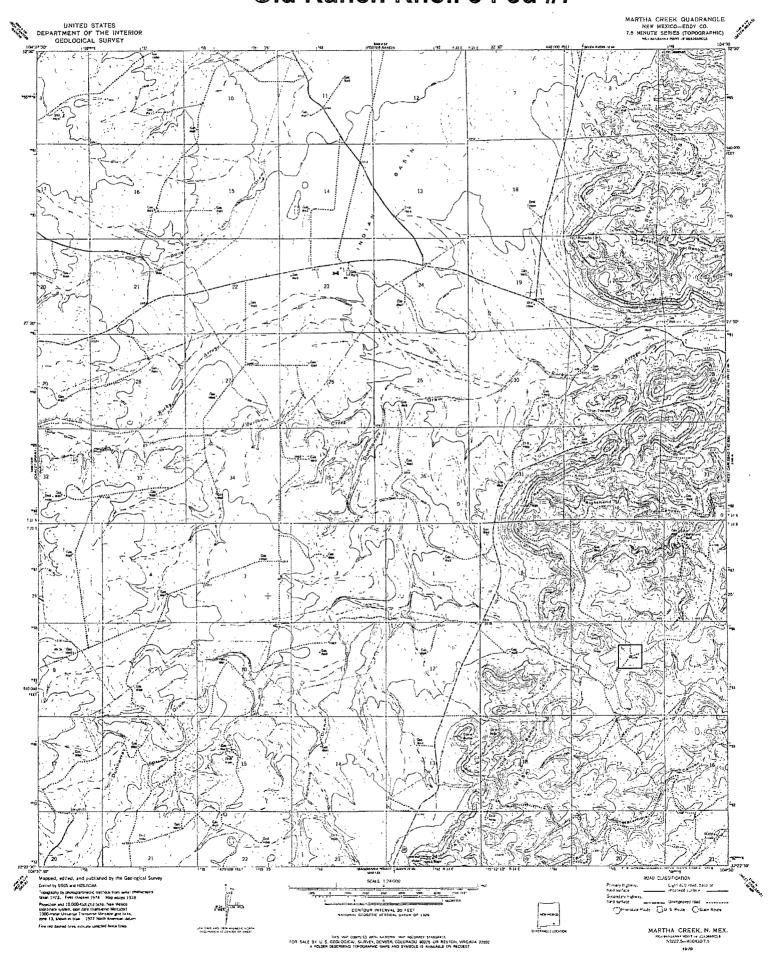
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All Databases

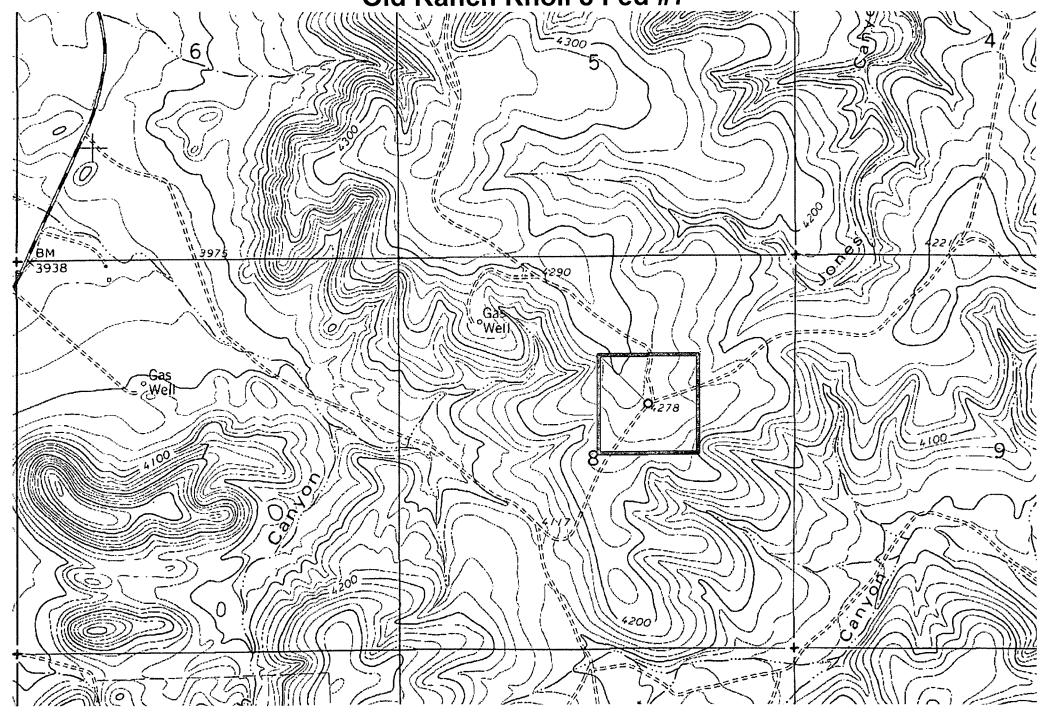
Oxy

Old Ranch Knoll 8 Fed #7



Oxy

Old Ranch Knoll 8 Fed #7



Laboratory Analytical Results Summary OXY, Old Ranch Knoll 8 #7

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 1.5'	SP2 @ SURFACE	SP2 @ 1'	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.057
Toluene	BTEX 8021B		<0.050	< 0.050	0.098	<0.050	0.088	<0.050	0.452
Ethylbenzene	BTEX 8021B		<0.050	0.266	0.934	< 0.050	0.592	<0.050	1.86
Total Xylenes	BTEX 8021B		<0.150	<0.150	0.764	<0.150	0.59	<0.150	2.86
Total BTEX	BTEX 8021B		<0.300	< 0.300	1.8	<0.300	1.27	<0.300	5.23
Chloride	SM4500CI-B		64	16	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<50.0	20.4	133	<50.0	81.5	<50.0	196
DRO	TPH 8015M		13000	1310	2800	18200	3240	16400	5090



Laboratory Analytical Results Summary Old Ranch Knoll 8 #7

		Sample	SP1 @ Surface	SP1 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		32	<16.0

		Sample	SP2 @ Surface	SP2 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	48

		Sample	SP3 @ Surface	SP3 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	48



Laboratory Analytical Results Summary Old Ranch Knoll 8 Fed #7

		Sample	SP1 @ Bottom
Analyte	Method	Date	10/9/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

,			
		Sample	SP2 @ Bottom
Analyte	Method	Date	10/9/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



November 07, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH KNOLL 8 #7

Enclosed are the results of analyses for samples received by the laboratory on 11/01/12 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited 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.

Celeg & 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



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

Fax To: (505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

Sampling Type:

Soil

Project Name:

11/07/2012

Sampling Condition:

Cool & Intact

Project Number:

OLD RANCH KNOLL 8 #7 NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ SURFACE (H202669-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	<0.050	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	<0.050	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	<0.150	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	<0.300	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	121 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	13000	50.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	91.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	286 9	63.6-15	4						•

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene



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

(505) 397-0397 Fax To:

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 1' (H202669-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	<0.050	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	0.266	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	<0.150	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	<0.300	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	155 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS			1.00		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	20.4	10.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	1310	10.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	93.7 9	65.2-14	0		•				
Surrogate: 1-Chlorooctadecane	123 %	63.6-15	4						

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Celey & Keene



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

Fax To:

(505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ 1.5' (H202669-03)

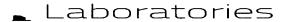
BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	0.098	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	0.934	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	0.764	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	1.80	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	209 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	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	133	10.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	2800	10.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	112 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	147 9	63.6-15	4						

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Celeg & Keine



BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Number:
Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ SURFACE (H202669-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	<0.050	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	<0.050	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	<0.150	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	<0.300	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIC	123 5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	18200	50.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	80.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	334 9	% 63.6-15	4						

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Celeg D. Keene



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

Fax To:

(505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ 1' (H202669-05)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	0.088	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	0.592	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	0.590	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	1.27	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	212	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	81.5	10.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	3240	10.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	105	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	168	% 63.6-15	4						

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Celey D. Keine



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

Fax To: (505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ SURFACE (H202669-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	<0.050	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	<0.050	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	<0.150	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	<0.300	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	124 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS		-			S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	16400	50.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	69.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	264 9	% 63.6-15	4						

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*=Accredited Analyte

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Celey D. Keene



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

(505) 397-0397 Fax To:

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ 1' (H202669-07)

BTEX 8021B	mg,	'kg	Analyze	d By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.057	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78		
Toluene*	0.452	0.050	11/06/2012	ND	2.07	104	2.00	8.18		
Ethylbenzene*	1.86	0.050	11/06/2012	ND	2.08	104	2.00	8.02		
Total Xylenes*	2.86	0.150	11/06/2012	ND	6.35	106	6.00	7.19		
Total BTEX	5.23	0.300	11/06/2012	ND						
Surrogate: 4-Bromofluorobenzene (PIL	350	% 89.4-12	6							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM						
. Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/05/2012	ND	416	104	400	3.77		
TPH 8015M	mg,	kg	Analyze	d By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	196	10.0	11/05/2012	ND	194	96.9	200	4.39		
DRO >C10-C28	5090	10.0	11/05/2012	ND	217	108	200	1.00		
Surrogate: 1-Chlorooctane	119 9	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	200 5	% 63.6-15	4							

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keine

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc. BILL TO **ANALYSIS REQUEST** Project Manager: Cliff Brunson P.O. #: Address: P.O. Box 805 Company: City: Hobbs State: NM zip: 88241 Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Project Owner: Oxy Project #: City: Project Name: Old Ranch Knoll 8 #7 State: Zip: Project Location: Eddy County, NM Phone #: Jeff Ornelas Sampler Name: Fax #: FOR LAB USE ONLY MATRIX PRESERV SAMPLING (G)RAB OR (C)OMP GROUNDWATER WASTEWATER SOIL Lab I.D. Sample I.D. OTHER: ACID/BASE: ICE / COOL SLUDGE 412021010° DATE TIME SP1 @ SURFACE 10/29/12 10:00 AM G 2 SP1 @ 1' 10/29/12 10:27 AM G SP1 @ 1.5' 10/29/12 | 11:00 AM SP2 @ SURFACE G 10/29/12 11:20 AM /5 SP2 @ 1' 6 10/29/12 11:51 AM 6 SP3 @ SURFACE 10/29/12 1:00 PM 6 SP3 @ 1' 10/29/12 , 1:30 PM PLEASE NOTE: Liability and Damages. Cardinal's liability and claimt's exclusive remedy for any claim arising whether based in contract or ton, shall be limited to the amount paid by the client for the

PLEAGE NOTE: Liability and Cornages. Cardinats liability and claim's exclusive remedy for any claim arising whether based in correct or tan, and be limited to the amount aspit by the client for the analysis. All claims including those for negligories and any other cause whatsoever stall to deemed waived untess made in whiling and received by Cardinal within 50 days after completion of the applicable service. In no event shall cardinal be liable for incidental or consequental damages, including whose lample, these states the ruptions, loss of use, or loss or profile incurred by client, its subsidiaries.

affiliates or successors arising out of or related to the performance	se of services hereunder by C	Cardinal, regardless of whether such dam is based upon any of the above state	treasons or otherwise.		_	
Relinquished By:	Date://	Received By	Phone Result:	☐ Yes	□ No	Add'l Phone #:
1/11/01	10/29/12	The same of the sa	Fax Result:	☐ Yes	□ No	Add'l Fax #:
Vett (neles-	Time:		REMARKS:			
Relinquished By:	Date:	Received By:				
	11/1/1/1/2-	Madi Denson				
Delivered By: (Circle One)		/ Sample Condition CHECKED BY:				
		(Initials)				
Sampler - UPS - Bus - Other:		Yes Yes No No	· [

#26

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24/6



February 12, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH KNOLL 8 #7

Enclosed are the results of analyses for samples received by the laboratory on 02/07/13 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited 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.

Celeg & Keene

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:

02/07/2013

Sampling Date:

02/06/2013

Reported:

02/12/2013

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN EDDY COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: SP 1 @ SURFACE (H300349-01)

Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: DW		_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2013	ND	448	112	400	7.41	
Sample ID: SP 1 @ 6" (H	300349-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW	· · · · · · · · · · · · · · · · · · ·				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2013	ND	448	112	400	7.41	
Sample ID: SP 2 @ SURF.	ACE (H300349	-03)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2013	ND	448	112	400	7.41	
Sample ID: SP 2 @ 6'' (H	300349-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2013	ND	448	112	400	7.41	

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.

Celeg D. Keine



BBC International, Inc.

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

Fax To: (575) 397-0397

Received:

02/07/2013

Sampling Date:

02/06/2013

Reported:

02/12/2013

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ SURFACE (H300349-05)

Chloride, SM4500CI-B	Analyze	d By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2013	ND	448	112	400	7.41	

Sample ID: SP 3 @ 6" (H300349-06)

Chloride, SM4500Cl-B	Analyze	d By: DW							
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2013	ND	448	112	400	7.41	

Cardinal Laboratories *=Accredited Analyte

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Celey & Kune



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

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Celey D. Keene



Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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

Address: P.O.	Box 805		Company:	
city: Hobbs	State: NM	zip: 88241	Attn:	
Phone #: 575-3	397-6388 Fax # : 575-	397-0397	Address: Address:	
Project #:	Project Owner		City:	
Project Name:	old Ranch Knoll	8H71	State: Zip:	
Project Location	Project Location: Phone #:			
Sampler Name:	Roll Hernandi	ζ	Fax #:	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SUIDGE	PRESERV. SAMPLING UCHERS: ICH / COOL IC	TIME
3 2 3 4 5	SPI & Suface SPZ & Supsace & L'' SP3 & Sanface & L'			1075 1078 1078 1078
analyses. All claims, includin service. In nu event shall Ca	7:7:15 Time: 30	isemed walved unless made in writing a without limitation, business interruption ardinal, reportiess of whether such data Received By:	and received by Catdinal within 30 days after comes, loss of use, or loss of profits incurred by client, in is based upon any of the above stated reason. Ph	umpletion of the applicable nt. its subsidiaries,
	Time: (Circle One) - Bus - Other:	Sample Cond Cool Intact Yes PY	(Initials)	·

BILL TO

P.O. #:

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

#26



October 18, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH KNOLL 8 #7

Enclosed are the results of analyses for samples received by the laboratory on 10/15/13 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

(575) 397-0397 Fax To:

Received:

10/15/2013

Sampling Date:

10/09/2013

Reported:

10/18/2013

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ BOTTOM (H302488-01)

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	10/17/2013	ND	1.90	95.1	2.00	1.49	
Toluene*	<0.050	0.050	10/17/2013	ND	1.97	98.5	2.00	1.87	
Ethylbenzene*	<0.050	0.050	10/17/2013	ND	2.00	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/17/2013	ND	5.96	99.4	6.00	1.35	
Total BTEX	<0.300	0.300	10/17/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100	% 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	10/15/2013	ND	208	104	200	2.60	
DRO >C10-C28	<10.0	10.0	10/15/2013	ND	200	100	200	2.31	
Surrogate: 1-Chlorooctane	98.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	#						

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



BBC International, Inc.

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

Fax To: (575) 397-0397

Received:

10/15/2013

Sampling Date:

10/09/2013

Reported:

10/18/2013

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ BOTTOM (H302488-02)

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	10/17/2013	ND	1.90	95.1	2.00	1.49			
Toluene*	<0.050	0.050	10/17/2013	ND	1.97	98.5	2.00	1.87			
Ethylbenzene*	<0.050	0.050	10/17/2013	ND	2.00	100	2.00	1.58			
Total Xylenes*	<0.150	0.150	10/17/2013	ND	5.96	99.4	6.00	1.35			
Total BTEX	<0.300	0.300	10/17/2013	ND							
Surrogate: 4-Bromofluorobenzene (PIL	99.2	% 89.4-12	6								
TPH 8015M	mg/	/kg	Analyze	ed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	10/15/2013	ND	208	104	200	2.60			
DRO >C10-C28	<10.0	10.0	10/15/2013	ND	200	100	200	2.31			
Surrogate: 1-Chlorooctane	96.9	% 65.2-14	10								
Surrogate: 1-Chlorooctadecane	101	% 63.6-15	4								

Cardinal Laboratories

*=Accredited Analyte

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Celey & Kune



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

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Celeg & Frence



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(505) 393-2326 FAX (505) 393-247	6																						
Company Name	BBC International, Inc.						444		E	W	4 70		ANALYSIS REQUEST											
Project Manage	r: Cliff Brunson						P.	O. #				,												
Address: P.O	Box 805						C	Company:									:			İ				
city: Hobbs	State: NM	Zip): E	382	41		_A1	ttn:			NX	1,					·							
Phone #: 575-	397-6388 Fax #: 575	39	7 -0	397			A	ddre	<u>]: 25</u>	\	DI.					ĺ	Í			1.			i .	
Project #:	Project Owner	<u>;</u> 0	ху		· ·	<u> </u>	Ci	ity,		\mathbf{Y}	V		~							ľ.		•		
Project Name:	Old Ranch Knoll 8 Fed #7				· ·		St	سملا		Ŋ	Zip:/		4		'	ļ							:-	
Project Locatio	n: Eddy County, NM						Pi	hone	#:	Ľ	<u> </u>		L								ŀ		i l	
Sampler Name:	Price Brunson						Fa	ax #:		_/			3]							
FOR LAB USE ONLY		٫.		<u> </u>	MAT	RIX		PRI	ESEF	₹₹	SAMPLI	NG	0			1		1						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	¥ Z	GROUNDWATER	WASTEWATER	OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	9 HdL	BTEX		/ · ·								
,	SP1 @ Bottom	6	1		V				1		10/9/13	12:05 pm	1	✓										
2	-SP2 @ Bottom	6	,		✓				1		10/9/13	12:10 pm	\	1										
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any dalm 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 regignance and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion 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, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: Received By:	Phone Result:	☐ Yes	□ No	Add'l Phone #:		
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



Kathy Purvis

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

Sent: Tuesday, January 15, 2013 10:11 AM

To: Cliff P. Brunson

Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: RE: Oxy Old Ranch Knoll 8 Fed #7

Reference: OXY USA * Old Ranch Knoll 8-7 * 30-015-32621 * G-8-22s-24e * Eddy County, New Mexico

NMOCD Tracking Number: 2RP-1330 * Date of release: (Discovered 9/27/12)

Cliff,

Your proposal for remediation of the above referenced release is approved. The site is situated on Federal surface and may require like approval by BLM.

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, please contact me.

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

C: 575-626-0857 F: 575-748-9720

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

Sent: Monday, December 17, 2012 7:04 PM

To: Bratcher, Mike, EMNRD

Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Oxy Old Ranch Knoll 8 Fed #7

Mike,

This e-mail is to confirm our discussion on December 17, 2012 concerning the remediation plan for the release that occurred at the Oxy Old Ranch Knoll 8 Fed #7. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will excavate 1 to 1.5 feet across the entire impacted area as depicted on the attached site diagram. Confirmation samples for TPH and BTEX will be taken in the bottom of the excavation. The excavation will then be backfilled with clean soil. The depth to groundwater is this area is approximately 100 feet.

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

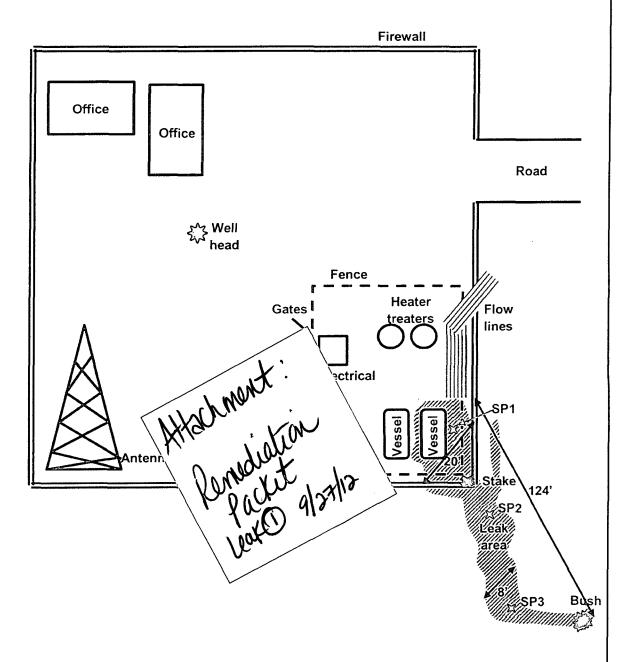
Oxy and I thank you for your assistance in handling this matter.

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
Facility Chrunson@bhcinternational.com

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Oxy
Old Ranch Knoll 8 Federal #7



BBC International, Inc.						
Оху						
Old Ranch	Knoll 8 Fed #7					
Date: 10/4/2012	DRWG by: K. Purvis					
NOT TO SCALE File: Oxy 2012						



Groundwater Plot

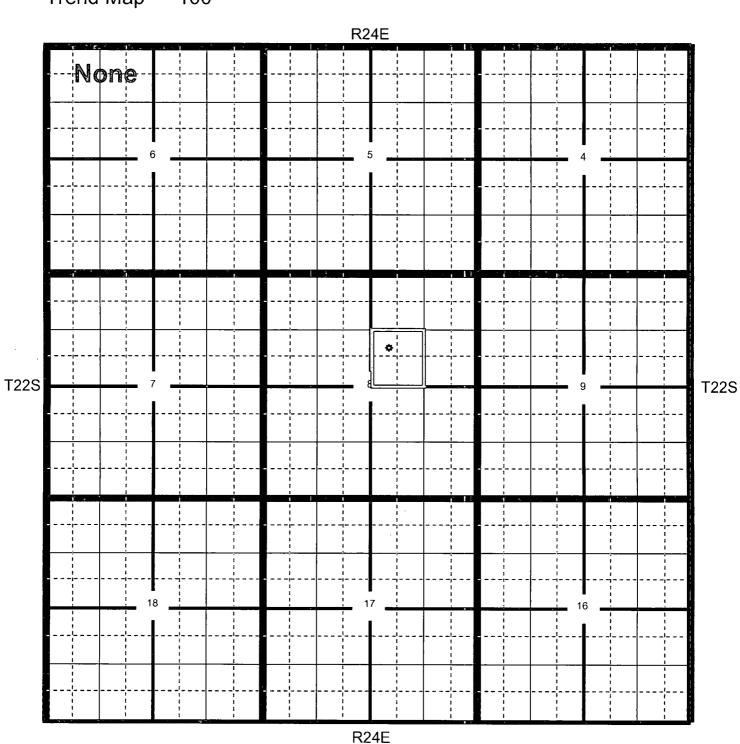
Oxy Old Ranch Knoll 8 Fed #7

County Eddy

Unit Letter G Section 8 Township 22S Range 24E

Trend Map

100'



⇔ Location

OCD

OUSGS

OSEO

All Databases



Oxy Old Ranch Knoll 8 Fed #7

County Unit Letter Range Section Township Eddy 24Ĕ 22S G 8

Trend Map 100'

> 1 2

NWNW	NE/NW	NW/NE	NE/NE
	1012/10 VV	IV W/INE	
None			
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SW/NW	SE/NW	SW/NE	SE/NE
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SW/SW	SE/SW	SW/SE	SE/SE
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Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3 4

♣ Location \circ OCD \circ_{USGS} o seo All Databases

Laboratory Analytical Results Summary OXY, Old Ranch Knoll 8 #7

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 1.5'	SP2 @ SURFACE	SP2 @ 1'	SP3@ SURFACE	SP3 @ 1'
Analyte	Method	Date	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12	10/29/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.057
Toluene	BTEX 8021B		<0.050	<0.050	0.098	<0.050	0.088	<0.050	0.452
Ethylbenzene	BTEX 8021B		<0.050	0.266	0.934	<0.050	0.592	<0.050	1.86
Total Xylenes	BTEX 8021B		<0.150	<0.150	0.764	<0.150	0.59	<0.150	2.86
Total BTEX	BTEX 8021B		<0.300	<0.300	1.8	<0.300	1.27	<0.300	5.23
Chloride	SM4500CI-B		64	16	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<50.0	20.4	133	<50.0	81.5	<50.0	196
DRO	TPH 8015M		13000	1310	2800	18200	3240	16400	5090



November 07, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH KNOLL 8 #7

Enclosed are the results of analyses for samples received by the laboratory on 11/01/12 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited 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.

Celeg & 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



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

Fax To: (505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ SURFACE (H202669-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene [*]	<0.050	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	<0.050	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	<0.150	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	<0.300	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	121 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	13000	50.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	91.8	% 65.2-14	0		-				
Surrogate: 1-Chlorooctadecane	286 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Fax To: (505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ 1' (H202669-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	<0.050	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	0.266	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	<0.150	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	<0.300	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	155 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/05/2012	ND	416	104	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	20.4	10.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	1310	10.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	93.7	% 65.2-14	o						
Surrogate: 1-Chlorooctadecane	123 9	63.6-15	4						

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Celey D. Keine



BBC International, Inc.

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

(505) 397-0397 Fax To:

Received: Reported: 11/01/2012

11/07/2012

Project Name:

OLD RANCH KNOLL 8 #7

Project Number: Project Location: NONE GIVEN

EDDY COUNTY, NM

Sampling Date:

10/29/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 1 @ 1.5' (H202669-03)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	0.098	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	0.934	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	0.764	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	1.80	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIE	209 5	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	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	133	10.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	2800	10.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	112 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	147 9	% 63.6-15	4						

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Celey D. Keene



BBC International, Inc.

Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (505) 397-0397

Received:

11/01/2012

11/07/2012

Sampling Date:

10/29/2012

Reported:

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: SP 2 @ SURFACE (H202669-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP	<u> </u>				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	<0.050	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	<0.050	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	<0.150	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	<0.300	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	123 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	mg/kg		Analyzed By: HM			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	18200	50.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	80.7	% 65.2-14	0	· · · · · ·					
Surrogate: 1-Chlorooctadecane	334 9	63.6-15	4						

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Celey D. Keine



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

Hobbs NM, 88241

Fax To: (505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ 1' (H202669-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	0.088	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	0.592	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	0.590	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	1.27	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	212 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	81.5	10.0	11/03/2012	ND	204	102	200	8.19	
DRO >C10-C28	3240	10.0	11/03/2012	ND	218	109	200	8.81	
Surrogate: 1-Chlorooctane	105 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	168 9	63.6-15	4						

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Celeg & Keene



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

Hobbs NM, 88241

(505) 397-0397 Fax To:

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ SURFACE (H202669-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	<0.050	0.050	11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*	<0.050	0.050	11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	<0.150	0.150	11/04/2012	ND	6.29	105	6.00	9.30	
Total BTEX	<0.300	0.300	11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIE	124 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	Analyzed By: HM		:			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS		-			S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	16400	50.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	69.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	264 9	63.6-15	4						

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Celeg D. Keine



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

(505) 397-0397 Fax To:

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

Sampling Type:

Soil

11/07/2012

Sampling Condition:

Cool & Intact

Project Name: Project Number: OLD RANCH KNOLL 8 #7 NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ 1' (H202669-07)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.057	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	0.452	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	1.86	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	2.86	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	5.23	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	350 %	% 89.4 - 12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2012	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS	d By: MS				S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	196	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	5090	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	119 %	65.2-14	o						
Surrogate: 1-Chlorooctadecane	200 9	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Notes and Definitions

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

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc. BILL TO **ANALYSIS REQUEST** Project Manager: Cliff Brunson P.O. #. Address: P.O. Box 805 Company: City: Hobbs State: NM zip: 88241 Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Project Owner: Oxy Project #: City: Project Name: Old Ranch Knoll 8 #7 State: Zip: Project Location: Eddy County, NM Phone #: Sampler Name: Jeff Ornelas Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING WASTEWATER SOIL Lab I.D. Sample I.D. ACID/BASE. 412021010 TIME DATE SP1 @ SURFACE 10/29/12 10:00 AM SP1 @ 1' 10/29/12 10:27 AM SP1 @ 1.5' 10/29/12 11:00 AM SP2 @ SURFACE G 10/29/12 11:20 AM SP2 @ 1' 10/29/12 11:51 AM SP3 @ SURFACE 6 10/29/12 1:00 PM SP3 @ 1' 6 10/29/12 , 1:30 PM

PLEASE NOTE: Listifity and Compages. Cardinate field by and client's exclusive remedy for any claim arising whether construct or torr, small be limited to the annumit data by the client for the annumit data by the client for the annumit data and any other course whateover small be deemed valved uncess mode in writing and received by Cerdinal which 30 days after completion of the amplicable service. In no event shall Cardinat be liable for incligation or consequential damages, including without femalistic, business interruption, joss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date:	eceived By:		Phone Result:	☐ Yes	□ No	Add'l Phone #:
11101	10/29/12	A STATE OF THE PARTY OF THE PAR		Fax Result:	☐ Yes	□ No	Add'l Fax #:
Vett (neles-	Time:		To Air	REMARKS:			
Relinquished By	Date: Ro	eceived By:	- C - y				
	Time: 125	Mai Glens	Byc _				
Delivered By: (Circle One)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/ Sample Condition CHEC	KĘD BY:				· ·
		Cool Intact (In	itiþís)				
Sampler - UPS - Bus - Other:			林门				

#26

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

District I 1625 N. French Dr., Habbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Azrec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003

Form C-141

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

Attached [

Release Notification and Corrective Action **OPERATOR** Initial Report Final Report Name of Company Oxy Permian Ltd. Contact Christopher Jones (575) 628-4121 1502 W. Commerce Dr., Carlsbad, NM Address Telephone No. Facility Name Old Ranch Knoll 8 Fed #7 Facility Type Well Surface Owner BLM Mineral Owner Lease No. API#30-015-32621 LOCATION OF RELEASE Unit Letter Section Range Feet from the North/South Line | Feet from the Township East/West Line County G 8 **22S** 24E 1790 F. Eddy County, NM Latitude N 32.40720° Longitude W 104.51900° NATURE OF RELEASE Type of Release Oil and Produced water Volume of Release Volume Recovered 0 bbls estimated 8 bbis Source of Release Unknown Date and Hour of Occurrence Date and Hour of Discovery Unknown 09/27/2012 @ 3:30 pm Was Immediate Notice Given? If YES, To Whom? ☑ Yes □ No □ Not Required BLM notified Oxy since the spill was discovered by James Amos of the BLM. By Whom? Spill was discovered by James Amos of the BLM Date and Hour 09/27/2012 @ 3:30 pm 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.* An unknown source caused an estimated 8 bbls of oil and produced water to leak onto the ground. 0 bbls were recovered. Describe Area Affected and Cleanup Action Taken.* The area affected was approximately 20' x 20' and 8' x 104'. Remediation will be performed according to an OCD and BLM approved remediation plan. 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 C141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability or the environment. In addition, NMCCD acceptance of a C-141-report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and regulations. should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Name: Christopher Jones Title: HES Specialist Approval Date: Expiration Date: E-mail Address: Christopher Jones@oxy.com

Conditions of Approval:

Phone: (575) 628-4121

Date: 10/10/12

^{*} Attach Additional Sheets If Necessary

urvis

From:

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

Sent:

Thursday, April 18, 2013 3:40 PM

To:

Cliff P. Brunson

Cc:

Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject:

RE: Oxy-Old Ranch Knoll 8 Federal #7 (1/15/13)-Remediation Plan

Reference: OXY USA * Old Ranch Knoll 8-7 * 30-015-3621 * G-8-22s-24e * Eddy County, New Mexico

OCD Tracking Number: 2RP-1521 * Date of release: 1/15/2013

Cliff,

Your proposal for remediation of the above referenced produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. BLM approval of remediation proposal may be required.

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

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

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

C: 575-626-0857 F: 575-748-9720

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

Sent: Wednesday, April 03, 2013 3:49 PM

To: Bratcher, Mike, EMNRD

Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Oxy-Old Ranch Knoll 8 Federal #7 (1/15/13)-Remediation Plan

Mike,

This e-mail is to confirm our discussion on March 25, 2013 concerning the remediation plan for the release that occurred at the Oxy Old Ranch Knoll 8 Federal #7 (1/15/13). I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will surface scrape across the entire leak area at the site. As we discussed, this leak occurred on top of a previous leak in the south corner of the pad area. The previous leak was approved for remediation by you on January 15, 2013 (2RP 1330). That approved plan will take care of this latest one in that area. The site will then be backfilled with clean soil. The depth to groundwater is this area is approximately 100 feet.

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

Oxy and I thank you for your assistance in handling this matter.



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

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Kathy Purvis

From: Amos, James <jamos@blm.gov>
Sent: Friday, April 19, 2013 8:27 AM

To: Cliff P. Brunson

Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Re: FW: Oxy-Old Ranch Knoll 8 Federal #7 (1/15/13)-Remediation Plan

Cliff,

The chloride levels identified are low enough to not be much of an issue. On my initial inspection, I was seeing some minor amounts of condensate stuck to vegetation. I would prefer to spray the impacted areas with Micro Blaze and be done and not tear up the surface off the location. If that would be acceptable to Mike. Consider this an approval for either. Keep me informed as to starting date, thanks

On Thu, Apr 18, 2013 at 4:50 PM, Cliff P. Brunson < <u>cbrunson@bbcinternational.com</u>> wrote: Jim,

I have attached a remediation packet of information for your review. The packet includes a site diagram, groundwater information, lab data summary table, and the original laboratory data. In addition, I have attached the approval from the NMOCD for this plan below in this e-mail. Oxy proposes the same following plan to the BLM as approved by the NMOCD. Oxy will surface scrape across the entire leak area at the site. This leak occurred on top of a previous leak in the south corner of the pad area. The previous leak was approved for remediation on January 15, 2013. That approved plan will take care of this latest one in that area. The site will then be backfilled with clean soil. The depth to groundwater is this area is approximately 100 feet.

Oxy is therefore requesting the approval of the BLM to proceed with the submitted remediation plan. If you would please respond back via e-mail with your approval, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

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

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

Date: Thursday, April 18, 2013 3:39 PM



<igilkey@bbcinternational.com>, Kathy Purvis <kathy@bbcinternational.com>

Subject: RE: Oxy-Old Ranch Knoll 8 Federal #7 (1/15/13)-Remediation Plan

Reference: OXY USA * Old Ranch Knoll 8-7 * 30-015-3621 * G-8-22s-24e * Eddy County, New Mexico

OCD Tracking Number: 2RP-1521 * Date of release: 1/15/2013

Cliff,

Your proposal for remediation of the above referenced produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. BLM approval of remediation proposal may be required.

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

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

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

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

Sent: Wednesday, April 03, 2013 3:49 PM

To: Bratcher, Mike, EMNRD

Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Oxy-Old Ranch Knoll 8 Federal #7 (1/15/13)-Remediation Plan

Mike,

This e-mail is to confirm our discussion on March 25, 2013 concerning the remediation plan for the release that occurred at the Oxy Old Ranch Knoll 8 Federal #7 (1/15/13). I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will surface scrape across the entire leak area at the site. As we discussed, this leak occurred on top of a previous leak in the south corner of the pad area. The previous leak was approved for remediation by you on January 15, 2013 (2RP 1330). That approved plan will take care of this latest one in that area. The site will then be backfilled with clean soil. The depth to groundwater is this area is approximately 100 feet.

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

Oxy and I thank you for your assistance in handling this matter.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

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1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

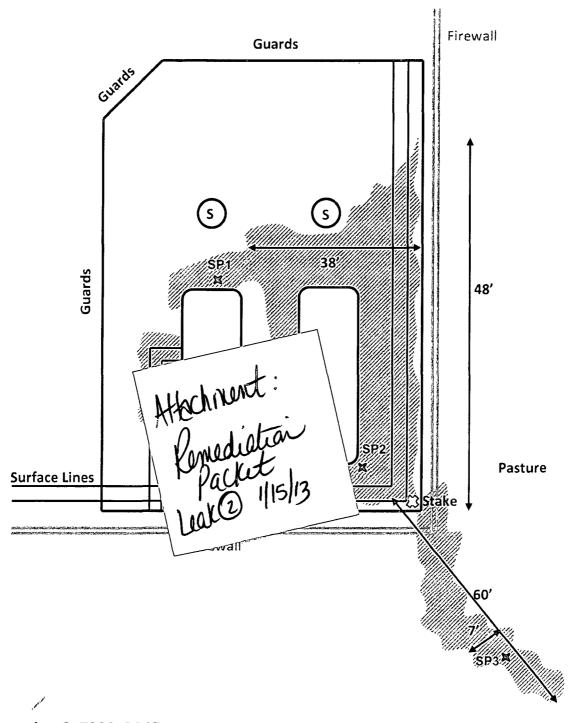
E-Mail: cbrunson@bbcinternational.com	

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N N

Оху

Old Ranch Knoll 8 Federal #7 (Leak date: 1/15/13)



U/L G, Section 8, T22S, R24E 1790' FNL and 2170' FEL Eddy County, NM N 32.40720° W 104.51900° API# 30-015-32621

BBC International, Inc.						
Оху						
Old Ranch Ki	noll 8 Federal #7					
Date: 01/24/13	DRWG by: K. Purvis					
NOT TO SCALE	File: Oxy 2013					



Groundwater Plot

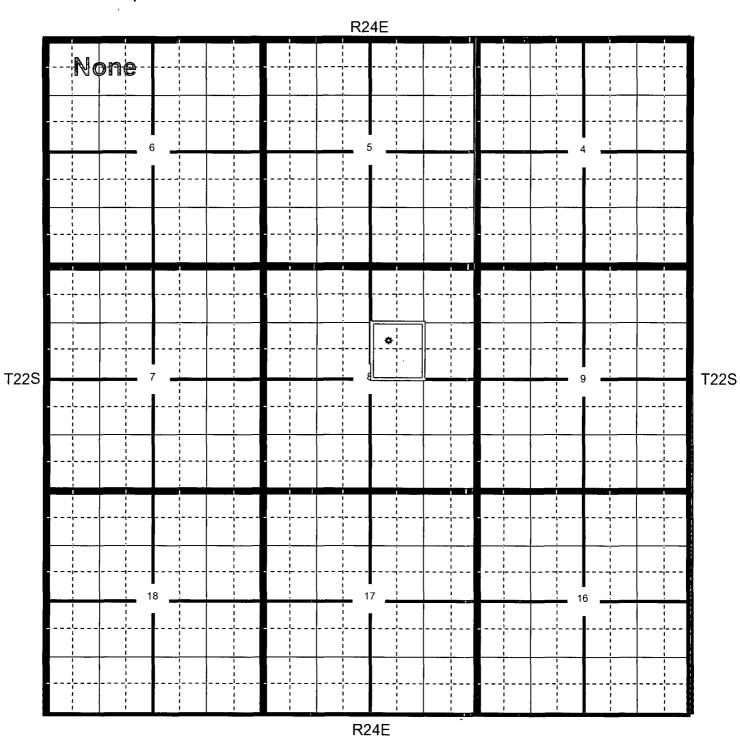
Oxy Old Ranch Knoll 8 Fed #7

County Eddy Unit Letter

Section Q Township 22S Range 24E

Trend Map

100'



♣ Location

OCD

OUSGS

OSEO

All Databases



Section Quarters

Oxy Old Ranch Knoll 8 Fed #7

CountyUnit LetterSectionTownshipRangeEddyG822S24E

Trend Map 100'

1

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Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

♦ Location OCD USGS SEO ● All Databases

Laboratory Analytical Results Summary Old Ranch Knoll 8 #7

		Sample	SP1 @ Surface	SP1 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		32	<16.0

		Sample	SP2 @ Surface	SP2 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	48

		Sample	SP3 @ Surface	SP3 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	48



February 12, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH KNOLL 8 #7

Enclosed are the results of analyses for samples received by the laboratory on 02/07/13 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & 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



BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

02/07/2013

Sampling Date:

02/06/2013

Reported:

02/12/2013

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ SURFACE (H300349-01)

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2013	ND	448	112	400	7.41	
Sample ID: SP 1 @ 6" (H	300349-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2013	ND	448	112	400	7.41	
Sample ID: SP 2 @ SURF	ACE (H300349	-03)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	0 -15
						70 11000101	40	14. D	Qualifier
Chloride	<16.0	16.0	02/08/2013	ND	448	112	400	7.41	Qualifier
		16.0	02/08/2013	ND		•	-		Qualifier
Chloride Sample ID: SP 2 @ 6" (H. Chloride, SM4500CI-B				ND d By: DW		•	-		Quaimer
Sample ID: SP 2 @ 6'' (H	300349-04)					•	-		Qualifier

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 claims 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 Laboratomes.

Celey D. Keene



BBC International, Inc.

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

Fax To:

(575) 397-0397

Received:

02/07/2013

Sampling Date:

02/06/2013

Reported:

02/12/2013

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number:

NONE GIVEN

Project Location: EDDY COUNTY, NM

Sample ID: SP 3 @ SURFACE (H300349-05)

`hloride	SM4500CI-B

mg/kg

Analyzed By: DW

Analyte

Result Reporting Limit

Limit Analyzed

Method Blank

BS

% Recovery

True Value QC RPD

Qualifier

Qualifier

Chloride

<16.0

16.0 02/08/2013

ND

448

112

400

-

7.41

Sample ID: SP 3 @ 6" (H300349-06)

Chloride, SM4500Cl-B	
Analyte	

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD
Chloride	48.0	16.0	02/08/2013	ND	448	112	400	7.41

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keena



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 SM4500CI-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene

ARDINAL LABORATORIES

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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

Address: P.O.	. Box 805		Company:			1 1					
city: Hobbs		zip: 88241	Attn:				,				
Phone #: 575-	397-6388 Fax #: 575	-397-0397	Address: Address:	15_	1						Ì
Project #:	Project Owne	r: OXY	City:					[[1 1	į
Project Name:	Old Ranch Knoll	'8H7'	State: Zip:								1
Project Location	n:		Phone #:								
Sampler Name:	Rojen Hernande	Z	Fax #:						1 1		
Lab I.D.	Sample I.D.	MG)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SILINGE	PRESERV. SAMPL OTHER: OTHER: OTHER: DATE		1						
H300349	501 @ Su Pace		B B B B DATE	496	-	+		 - 	+	- -	_
1	SPI @ Suface		7 2 6 13	490				·	-	-	
<u>- 2</u>	507 0 Sug Coli		1 24.7	1070		-					
l — j	SP & Januar	27 - 1	263	1045		 -					
5	5/12 0 Sarface		2/2/2	1105						1-1	-
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analyses. All claims includi- service. In no event shall C	nd Damages. Cardinal's liability and client's exclusive remedy for ng those for negligence and any other cruss whatsower shall be lardinal be fable for incidental or consequential dialnages, including ing out of or related to the performance of services betwender by	ocemed waived unless made in writing a g without limitation, business interruptions	nd received by Cardinal within 30 days off s, loss of use, or loss of profits incurred by	er completion of the client, its subsidiari	e applicable ies,						
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Relinquished B	Time:	Received By:									
Delivered By	: (Circle One)	Sample Condi		1							
	- Bus - Other:	Dyes By	es lo								
† Cardinal	cannot accept verbal changes. Pleas	e fax written changes to	505-393\2476								

BILLTO

P.O. #:

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised October 10, 2003
Submit 2 Copies to appropriate

Form C-141

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

Release Notification and Corrective Action

						OPERA:	ΓOR	\boxtimes	Initia	ıl Report		Final Report
Name of Co		Oxy Permia			Contact Christopher Jones							
		ommerce Di			Telephone N		- 4121					
Facility Nan	ne Old I	Ranch Knoll	8 Federa	ıl #7	F	Facility Type						
Surface Own	ner BLM	ſ		Mineral C)wner			I	ease N	Io. API#30-	015-3	2621
					TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/S	South Line	Feet from the	East/West	Line	County		
G	8	22S	24E	1790	N	Torth	2170	East	: <u></u>	Eddy Count	ty, NM	[
Latitude N 32.40715° Longitude W 104.51900												
				NAT	URE (OF RELI	EASE					
Type of Relea		iced water				Volume of					0 bbls	
Source of Rel	lease Wai	ter dump line	at Victaul	ic clamp froze an	d broke	Date and H 1/15/13	our of Occurrenc	e Da	ite and I	Hour of Disc	overy	
Was Immedia	ite Notice C		_			If YES, To						
			Yes	No 🔲 Not Re	equired	Mike Brate Terry Greg	her- OCD, James ston-BLM	Amos-BLN	м,			
By Whom?	Christoph					Date and H	our 1/16/13@					
Was a Watero	course Reac		Yes 🛚	No		If YES, Vo	lume Impacting t	he Waterco	urse.			
If a Watercou	rse was Imi	pacted, Descri	be Fully.*	•			·····					
	•		·									
	:		•						•			
Describe Cau	ge of Proble	and Remed	lial Action	Taken *								
A water dump				nd broke causing	20 bbls o	f produced v	vater to leak onto	the ground.	0 bbls	were recove	red and	d the line
was repaired.												
Describe Area	Affected a	ind Cleanup A	ction Tak	en.*								
The area affe	cted is appr	oximately 10)' x 40'. A	A water dump line	e at the v	ictaulic clam	p froze and broke	causing 20	bbls of	produced w	ater to	leak onto
ine ground. r	iuias were r	ioi recoveradi	c. Kemeu	iation will be per	tormed in	accordance	with an OCD and	i Brivi abbi	rovea re	mediation pi	an.	
I hereby certif	fy that the in	nformation gi	ven above	is true and compl	lete to the	best of my	knowledge and ur	nderstand th	at pursi	uant to NMO	CD rul	les and
public health	operators a corthe	are required to onment. The	report an acceptanc	d/or file certain re e of a C-141 repo	elease no	tifications an NMOCD ma	d perform correct rked as "Final Re	tive actions enort" does	tor rele	ases which never the opera	tor of l	Janger liability
should their o	perations ha	ave failed to a	deguątely	investigate and re	emediate	contamination	on that pose a thre	at to groun	d water,	surface water	er, huır	nan health
or the environ federal, state,				tance of a C-141 i	report do	es not relieve	the operator of r	esponsibilit	y for co	mpliance wi	th any	other
·····		11		7			OIL CONS	SERVAT	ION .	DIVISIO	N	
Signature:												
Printed Name	: Christo	oher Jones			A	pproved by	District Superviso	or:				
Title: HES	Specialist				A	pproval Date	:	Expi	ration I	Date:		_
E-mail Addres	ss: Christ	opher Jones@	Doxy.com			onditions of						
, , ,	7/13					ondividuo of	pp.o.u.			Attached		
Date: ///	<u> </u>	to If Nagacas	Phone:	(575) 628-412	1 }					İ		