Closure Report

- New York Control of the Control

Legal Description:

GPS Coordinates:

Site Name: Company:

County:

	OCT 3 1 2013
Site Description	NMOCD ARTESIA
Old Ranch Knoll 8 Federal #7 (2 leaks)	
Oxy Permian Ltd.	·
U/L G, Section 8, T22S, R24E	
Eddy County, NM	
N 32.40720° W 104.51900°	

RECEIVED

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						

	Remediation Specifications
Remediation Parameters:	Excavate to a depth of 1 foot across the entire leak site. 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

	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 Glosure

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



<u>District I</u> 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

Submit 2 Copies to appropriate District Office in accordance

with Rule 116 on back side of form

Form C-141

Revised October 10, 2003

Release Notification and Corrective Action **OPERATOR** Initial Report Final Report Oxy Permian Ltd. Contact Christopher Jones Name of Company 1502 W. Commerce Dr., Carlsbad, NM (575) 628-4121 Address Telephone No. Old Ranch Knoll 8 Fed #7 Facility Name Facility Type Well Surface Owner BLM Mineral Owner Lease No. API#30-015-32621 LOCATION OF RELEASE Unit Letter Section Township Feet from the North/South Line East/West Line Range Feet from the County G 8 **22S** 24E 1790 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 0 bbis estimated 8 bbls 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? 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 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 C141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adversarily investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NIMCO 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 Iones Title: HES Specialist Approval Date: **Expiration Date:** E-mail Address: Christopher Jones@oxy.com Conditions of Approval: Attached | Date: 10/10/12

(575) 628-4121

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003

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

Form C-141

Release Notification and Corrective Action

						OPERA:	TOR		✓ Initi	al Report		Final Report
Name of Co		Oxy Permia				Christopher Jone						
		ommerce Di			Telephone No. (575) 628-4121							
Facility Nan	ne Old I	Ranch Knoll	8 Federa	ıl #7		Facility Type						
Surface Own	ner BLM			Mineral C)wner				Lease N	No. API#30-	015-32	2621
				LOCA	TION	OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/We	st Line	County		
G	8	22S	24E	1790	1	North	2170	Ea	ıst	Eddy Coun	ty, NM	
	Latitude N 32.40715° Longitude W 104.51900											
				NAT	URE	OF RELI	EASE		_			
Type of Relea		iced water				Volume of) bbls	
Source of Rel	lease Wat	ter dump line	at Victaul	ic clamp froze and	d broke	Date and H 1/15/13	lour of Occurrence	e I	Date and	Hour of Disc	overy	
Was Immedia	ite Notice G					If YES, To						
		lacktriangle	Yes	No 🔲 Not Re	quired	Mike Brate Terry Greg	her- OCD, James ston-BLM	Amos-BI	LM,			
By Whom?	Christoph					Date and H	our 1/16/13@					
Was a Watero	ourse Reac		Yes 🛚	No		If YES, Volume Impacting the Watercourse.						
If a Watercou	rse was Imp	pacted, Descri	ibe Fully.*							REC	EIV	/ED
			•						Ì			
}									.	UUT	31 2	2013
Describe Cau	se of Proble	m and Remed	dial Action	Taken *						MMOC	AR C	TESIA
	line at the			nd broke causing	20 bbls c	of produced v	vater to leak onto	the groun	d. 0 bbls	were recover	red and	the line
		101										
Describe Area The area affe	a Affected a cted is appr	nd Cleanup A oximately 10	Action Tak 0' x 40'.	en.* A water dump line	e at the v	ictaulic clam	n froze and broke	causing 2	20 bbls o	f produced wa	nter to 1	eak onto
				iation will be perf								
I hereby certif	fy that the in	iformation gi	ven above	is true and compl	ete to the	e best of my	knowledge and un	nderstand	that purs	uant to NMO	CD rule	es and
regulations all	l operators a	are required to	report an	d/or file certain re	elease no	tifications an	d perform correct	tive action	ns for rele	eases which n	nay end	anger
				e of a C-141 report investigate and re								
or the environ	ment. In ac	ldition, NMO	Daccept	ance of a C-141 r	eport do	es not relieve	the operator of re	esponsibil	lity for co	ompliance wi	th any c	other
federal, state,	or local law	s and/or regu	lations.				OT CONTO	VED T.A.	MI ON I	DIVITATO		
	- 14						OIL CONS	SERVA	TION	DIVISIO	<u>N</u>	
Signature:	- [[-										
Printed Name	: Christor	oher Jones			A	pproved by	District Superviso	or:				
Title: HES	Specialist		A	pproval Date	e:	Ext	piration I	Date:				
	· -	onher longs	May 20-								-	
E-mail Address: Christopher Jones@oxy.com						Conditions of Approval:				Attached		
Date: ///	7/13	TCNI	Phone:	(575) 628-4121	1					1		
Attach Addit	ionai Shee	ts II Necessa	ıry									

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

						······································					
Name of Co	mpany	Oxy Permia	ın Ltd.			Contact Christopher Jones					
Address	1502 W. C	ommerce Di	., Carlsb	ad, NM		Telephone No. (575) 628-4121					
Facility Nar	ne Old I	Ranch Knoll	•		Facility Type Well						
Surface Ow	non DIM			Mineral C)				Lanca	In ADI#20	015 22621
Surface Ow.	ner blivi			Milleral	wner		_		Lease N	lo. API#30-	013-32021
				LOCA	TIO	N OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the	East/V	Vest Line	County	
G	8	22S	24E	1790		N	2170		Е	Eddy Coun	tv. NM
		<u> </u>		Latitude N 32.40)720°		de W 104.51900)°		· · · · · · · · · · · · · · · · · · ·	
						OF RELI					
Type of Relea	ase Oil a	nd Produced v	vater	11741	CILL	Volume of			Volume R	ecovered	0 bbls
Type of recie	asc On a	ia i todacca v	vacci			estimated	-		v olulle r	CECOVETEC	0 0018
Source of Re	lease Uni	cnown					our of Occurrence	e	Date and	Hour of Disc	overy
						Unknown			09/27/201	2 @ 3:30 pn	1
Was Immedia	ate Notice C	******	,, _	lar Maria		If YES, To		***	1.		
		A	Yes L	No 🗌 Not Re	equired	BLM notiti	led Oxy since the	spill wa	is discovere	ed by James .	Amos of the BLM.
By Whom?	Spill was d	iscovered by	James Am	os of the BLM		Date and H	our 09/27/2012	<u>@</u> 3:30	pm		
Was a Watero	course Reac					If YES, Vo	lume Impacting t	he Wate	rcourse.		
		L	Yes 🗵	No		DEA					
If a Watercou	use was mi	pacied, Descri	oe ruity.							OCT	EIVED 3 1 2013 ARTESIA
Describe Cau An unknown				Taken.* of oil and produce	d water	to leak onto t	he ground. 0 bbls	were re	ecovered.		AHIESIA
Describe Area	a Affected a	nd Cleanup A	ction Tak	en.*					··		
The area affect	cted was ap	proximately 2	0' x 20' a	nd 8' x 104'. Ren nd approved by Jan						ion plan appr	oved by Mike
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 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.											
		'// <i>/</i> /				OIL CONSERVATION DIVISION				<u>N</u>	
Signature:	-//	W									
Printed Name	: Christo	oher Jones			Approved by	District Superviso	or: 				
Title: HES	Specialist			<i>-</i>		Approval Date	e:	E	Expiration I	Date:	
E-mail Addres	ss: Christ	opher_Jones@	yoxy.com			Conditions of	Approval:			Attached	
Date: 10/	28/13	.	Phon	e: (575) 628-41	121					Attached	
Attach Addit	ional Shee	ts If Necessi	1177								

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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Final Report

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

☐ Initial Report

Release Notification and Corrective Action

OPERATOR

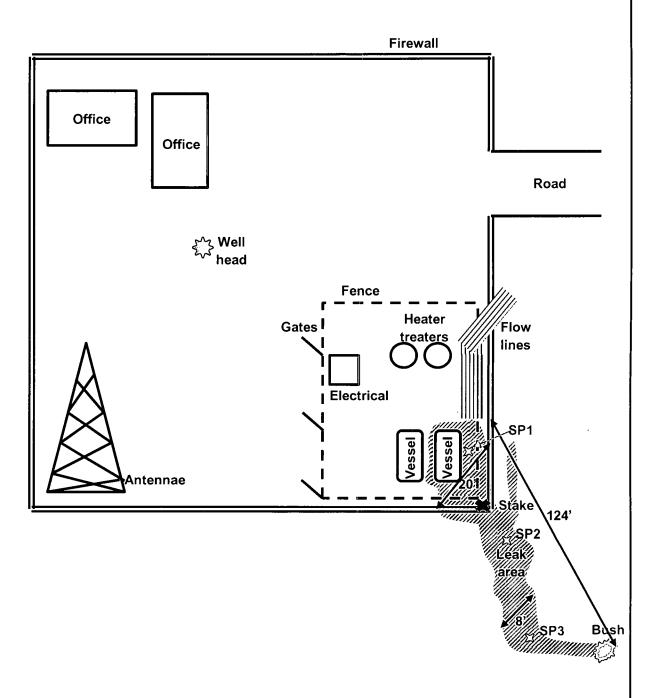
Name of Co		Oxy Permia				Contact Christopher Jones				
		ommerce Dr				Telephone No. (575) 628-4121				
Facility Nar	ne Old I	Ranch Knoll	8 Federa	1 #7		Facility Type				
Surface Ow	ner BLM	1		Mineral O	wner			Lease N	No. API#30-015-32621	
LOCATION OF RELEASE										
TT. M.T. AL	[0]	7D 1 1	В					T (777) T (
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	
			J	Latitude <u>N 32.4</u>	071 <u>5°</u>	Longitu	ide <u>W 104.5190</u>	<u>0</u>		
				NAT	URE	OF RELI	EASE			
Type of Release	ase Produ	iced water				Volume of	Release 20 bbls	s Volume F	Recovered 0 bbls	
Source of Re	lease Wa	ter dump line	at Victaul	ic clamp froze and	broke	Date and H 1/15/13	our of Occurrence	Date and	Hour of Discovery	
Was Immedia	ate Notice C					If YES, To				
		\bowtie	Yes	No Not Re	quired	Mike Brate Terry Greg	her- OCD, James ston-BLM	Amos-BLM,		
By Whom?	Christoph		-				four 1/16/13 @	7:13 am		
Was a Watero	course Reac		x	3.5		If YES, Vo	lume Impacting th			
			Yes 🛚					į t	RECEIVED	
If a Watercou	rse was Imp	pacted, Descri	be Fully.*							
								1	OCT 31 2013	
								MA	AOCD ARTESIA	
Describe Cau	un of Duolole	and Dame	Hal A sels	. T-1 *				\$ P # 16	MOND AUTERIA	
					0 bbls	of produced v	vater to leak onto i	the ground. 0 bbls	were recovered and the line	
was repaired.			-F			or prouded .	The state of the s	ine ground. V oois	THE POOL OF THE PARTY OF THE PA	
Dagariba Ara	A ffactad o	and Cleanup A	ction Tak	an *						
					at the	victaulic clam	p froze and broke	causing 20 bbls of	f produced water to leak onto	
the ground. F	luids were r	ot recoverabl	e. Remed	iation was comple	ted in a	eccordance wi	th the remediation		Mike Bratcher of NMOCD via	
email on 04/1	8/2013 and	approved by.	James Am	os of the BLM via	email	on 04/19/201	3.			
I hereby certif	fy that the in	nformation giv	ven above	is true and comple	ete to th	ne best of my	knowledge and un	derstand that purs	uant to NMOCD rules and	
regulations al	l operators a	are required to	report an	d/or file certain re	lease n	otifications an	d perform correct	ive actions for rele	eases which may endanger	
									eve the operator of liability, surface water, human health	
or the environ	ment. In ac	ldition, NMO	CD accept	ance of a C-141 re	eport d	oes not relieve	the operator of re	esponsibility for co	ompliance with any other	
federal, state,	or local law	/s/and/or regu	lations.							
	/-	1// /	1				OIL CONS	ERVATION	<u>DIVISION</u>	
Signature:	_//									
Printed Name	· Christon	nher Iones				Approved by I	District Superviso	r:		
Title: HES	Specialist					Approval Date	D:	Expiration I	Date:	
E-mail Addres	ss: Christ	opher_Jones@	oxy.com			Conditions of	Approval:		Attached []	
Date: 10/	28/13		Phone:	(575) 628-4121		Attached			Attached	
Attach Addit		ts If Necessa		(3/3) 020-4121						

N

Old Ranch Knoll 8 Federal #7

Оху





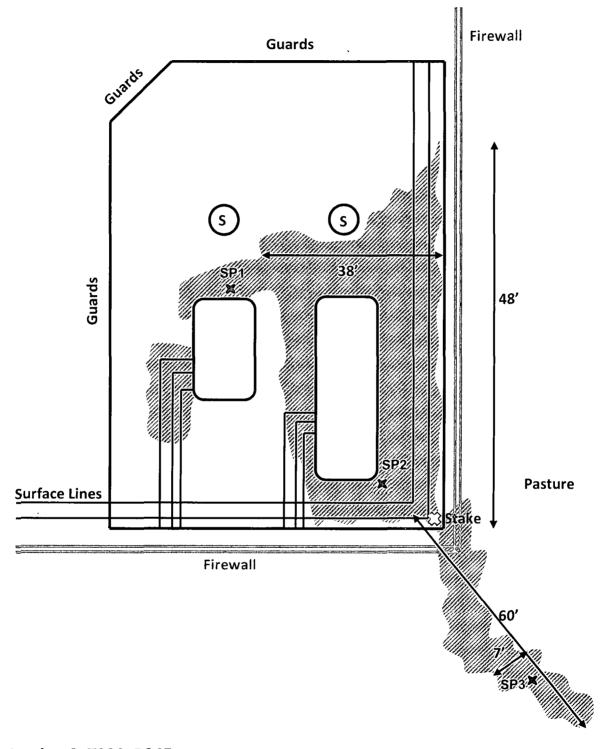
BBC International, Inc.								
Оху								
Old Ranch Knoll 8 Fed #7								
ate: 10/4/2012	DRWG by: K. Purvis							

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

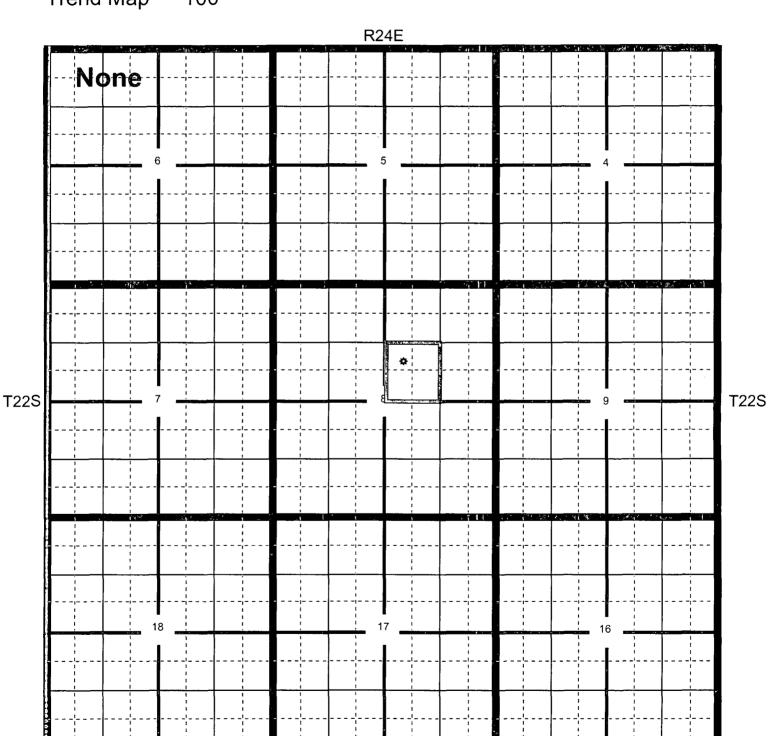
Oxy Old Ranch Knoll 8 Fed #7

County Eddy *Unit Letter* G Section

Township 22S Range 24E

Trend Map

100'



R24E

♣ Location

OCD

OUSGS

o SEO

All Databases



Section Quarters

Oxy Old Ranch Knoll 8 Fed #7

County Eddy

Unit Letter G

Section 8 Township 22S Range 24E

Trend Map 100'

1

2

NW/NW	NE/NW	NW/NE	NE/NE
None			
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
		*	
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

♣ Location

o OCD

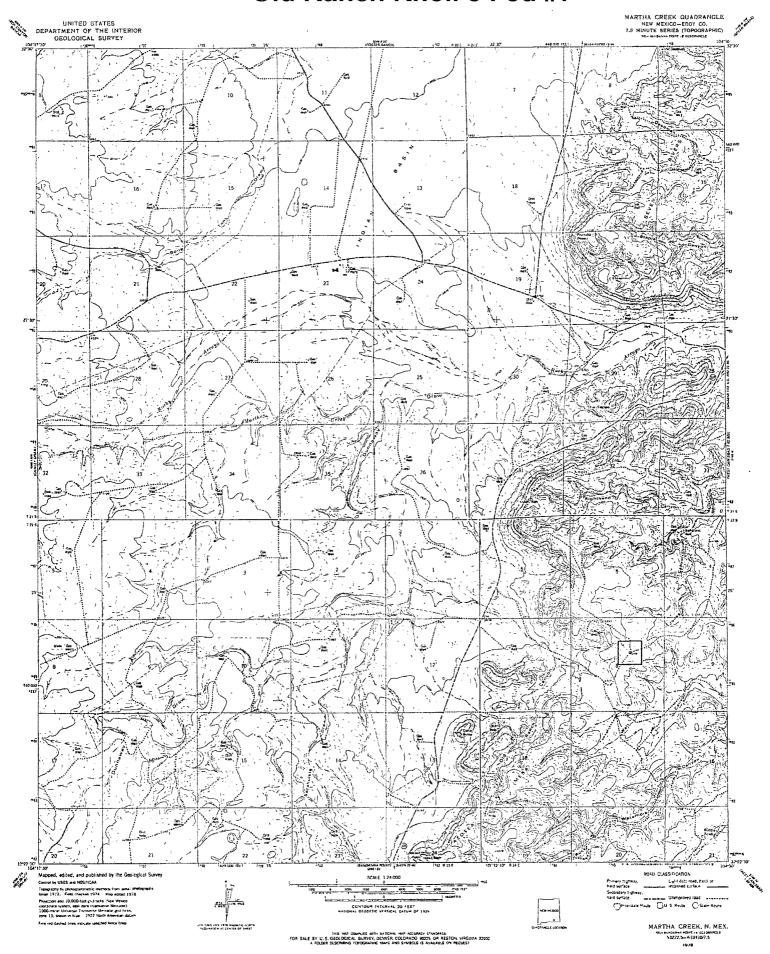
OUSGS

o SEO

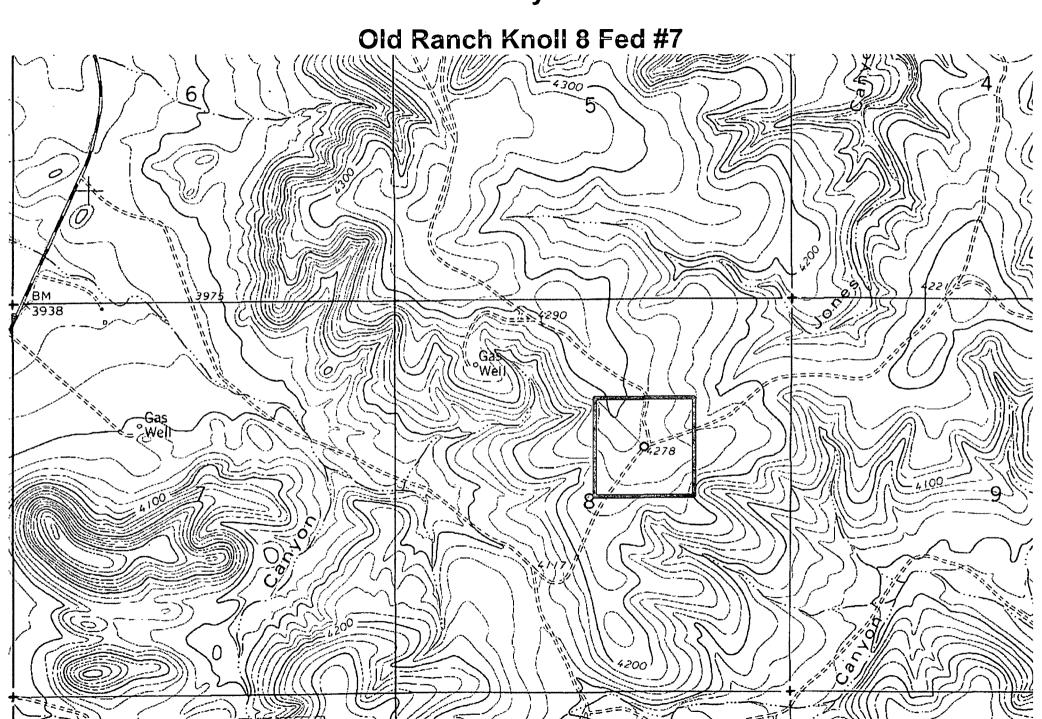
All Databases

Oxy

Old Ranch Knoll 8 Fed #7



Oxy



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	1	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	1	<16.0	48



Laboratory Analytical Results Summary Old Ranch Knoll 8 Fed #7

		Sample	SP1 @
		Sample	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/ga/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.

Celey D. Keens

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: Reported: 11/01/2012

11/07/2012

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

Project Location: EDDY COUNTY, NM

Sampling Date:

10/29/2012

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Jodi Henson

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 (PIC	121 5	% 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	% 63.6-15	4						

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Celey D. Keena



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

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 (PIE	155 %	6 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	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	0						
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

Fax To: (505) 397-0397

Received:

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

11/0//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 @ 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 (PIC	209 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	<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

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 @ 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 (PIL	123 %	6 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	<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	80.79	65.2-14	0						
Surrogate: 1-Chlorooctadecane	3349	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: Reported: 11/01/2012

11/07/2012

OLD RANCH KNOLL 8 #7

Project Number: Project Location:

Project Name:

NONE GIVEN EDDY COUNTY, NM Sampling Date:

Sampling Type:

10/29/2012

Soil

Cool & Intact

Sampling Condition: Sample Received By:

Jodi Henson

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

BTEX 8021B	mg/	kg	Analyze	ed 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, SM4500CI-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	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 5	% 65.2-14	0				٠		
Surrogate: 1-Chlorooctadecane	168 9	63.6-15	4						

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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 @ 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						

Surrogate: 1-Chlorooctadecane

264 %

63.6-154

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Celeg 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 @ 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 %	6 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	<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 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	200 %	63.6-15	4						

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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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Celeg & Keene

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 EAY (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	BBC International, Inc.				:.	BIL	11 70						ANAL	YSIS	RE	QUE	ST			
	: Cliff Brunson				P.0	D. #:														
Address: P.O.	Box 805		_		Со	mpany:												ļ		
City: Hobbs	State: NM	Zip:	8	8241	Att	n:												Ì		
Phone #: 575-3	397-6388 Fax # : 575	397	'-03	397	Ad	dress:														
Project #:	Project Owner	: Ox	у		Cit	y:													i	
Project Name:	Old Ranch Knoll 8 #7				Sta	ate:	Zip:	1					ŀ					İ		
	: Eddy County, NM				Ph	one #:														
Sampler Name:	Jeff Ornelas				Fa	x #:												ļ		i
FOR LABIUSE ONLY				MATRIX		PRESERV.	SAMPLI	NG												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	OTHER:	ACID/BASE: ICE / COOL OTHER:	DATE	TIME	古	BTGX	17)									
,	SP1 @ SURFACE	6	1				10/29/12	10:00 AM	✓	1	✓									
2.	SP1 @ 1'	G	١			-	10/29/12	10:27 AM	1	1	✓									
	SP1 @ 1.5'	G	1	<i></i>		~	10/29/12	11:00 AM	✓	1	✓	<u></u>			<u> </u>					
L}	SP2 @ SURFACE	G	1			1	10/29/12	11:20 AM	✓	✓	✓									
	SP2 @ 1'	6	1			~	10/29/12	11:51 AM	✓	✓	✓									
	SP3 @ SURFACE	6	1	- /	!		10/29/12	1:00 PM	✓	✓	✓									
1	SP3 @ 1'	6	J.				10/29/12	1:30 PM	1	1	✓				ļ					<u> </u>
	nd Damages. Cardinal's liab lity and client's exclusive remedy for												,	-						

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,

	rvices hereunder by Cardinat, regardless of whether such carn is pased upon any of tr	ne ansverstates reasons or otherwise.			
Relinquished By: D	Pate:/ / Received By:	Phone Result:	☐ Yes	□ No	Add'l Phone #:
1/1/01	10129112	Fax Result:	☐ Yes	□ No	Add'l Fax #:
Ver Well	3.00	REMARKS:			
Relinquished By:	ine: 25 Mali Jens	By C			
Delivered By: (Circle One)	Sample Condition CHEC	KED BY:			
Sampler - UPS - Bus - Other:	Cool Intact (Int	itiblé)			

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



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.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To:

(575) 397-0397

Received:

02/07/2013

Reported:

02/12/2013

Project Name:

OLD RANCH KNOLL 8 #7

Project Number:

Project Location:

NONE GIVEN

EDDY COUNTY, NM

Sampling Date:

Sample Received By:

g bate.

Soil

Sampling Type: Sampling Condition:

Cool & Intact

02/06/2013

Jodi Henson

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

ample ID: SP 1 @ 6" (H300 and oride, SM4500CI-B Analyte Inloride Analyte 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, 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	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

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



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	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 3 @ 6" (H	300349-06)								
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

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. BILL TO **ANALYSIS REQUEST** Project Manager: Cliff Brunson P.O. #: Address: P.O. Box 805 Company: State: NM Zip: 88241 City: Hobbs Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address Project Owner: Project #: City: Project Name: State: Project Location: Phone #: Herarde 7 Sampler Name: Fax #: MATRIX PRESERV SAMPLING FOR LAB USE ONLY Lab I.D. Sample I.D. H300349 DATE TIME PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount puid by the client for the analyses. All claims uncluding those for negligence 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 chert, its subsidiaries. Relinguished By Received By: Phone Result: ☐ No Add'l Phone #: ☐ Yes ☐ No Add'l Fax #: Fax Result: REMARKS: Relinquished By: Date: Received By: Time:

CHECKED BY:

(Initials)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

#26

Sample Condition

Cool Intact

Yes Yes

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



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.

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:

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 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 (PIC	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 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



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

Fax To: (575) 397-0397

Received:

10/15/2013

Reported:

10/18/2013

Project Name: Project Number: OLD RANCH KNOLL 8 #7

Project Location:

NONE GIVEN EDDY COUNTY, NM Sampling Date:

10/09/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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	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	96.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



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 & Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUES

ARDINAL LABORATORIES

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

company Name. BBC International, Inc.	company Marine. BBC International, Inc.						推薦								LYSIS REQUEST									
Project Manager: Cliff Brunson							P.O. #:												1	1	T	T		
Address: P.O. Box 805		: <u> </u>					Company:				•			٠.	1			İ						
city: Hobbs State: NM z	Zip:	8	824	41			Attn:				'VX	1,								ľ			İ	
Phone #: 575-397-6388 Fax #: 575-3	397	-03	397				Address:				106					1					1		-	
Project #: Project Owner:	Oxy	y		· ·			City				V		ھا							Ĭ	1 .			
Project Name: Old Ranch Knoll 8 Fed #7					St	ستعل		d	Zip;		6				l									
Project Location: Eddy County, NM					Ph	one	#:	Ľ				1							ŀ	1				
Sampler Name: Price Brunson							Fa	x #:	_	7	, 		13							1				
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analyses. All claims including those for negligence and any other cause whatsoever shall be dee service. In no event shall Cardinal be liable for incidental or consequental damages, including wi	vithout	limital	tion, b	usiness	interru	ptions,	loss c	fuse,	or loss	s of pro	rofits incurred by	dient, its subsidia	ries,	ble										
affiliates or successors ensing out of or related to the performance of services hereunder by Card Relinquished By: Date: 10 1-2			dess o		r such	ı claim	is bas	ed upo	n any	of the	above stated re	Phone Re		□ Ye	s 🗆	No	Add	Phone	#:					
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Delivered By: (Circle One)
Sampler - UPS - Bus - Other:



[†] 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.

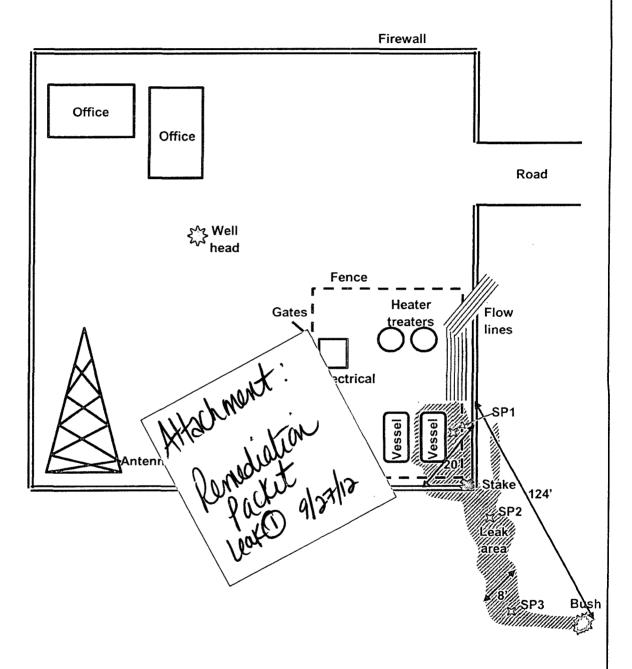
Oxy and I thank you for your assistance in handling this matter.

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
Fax: (575) 397-0397

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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

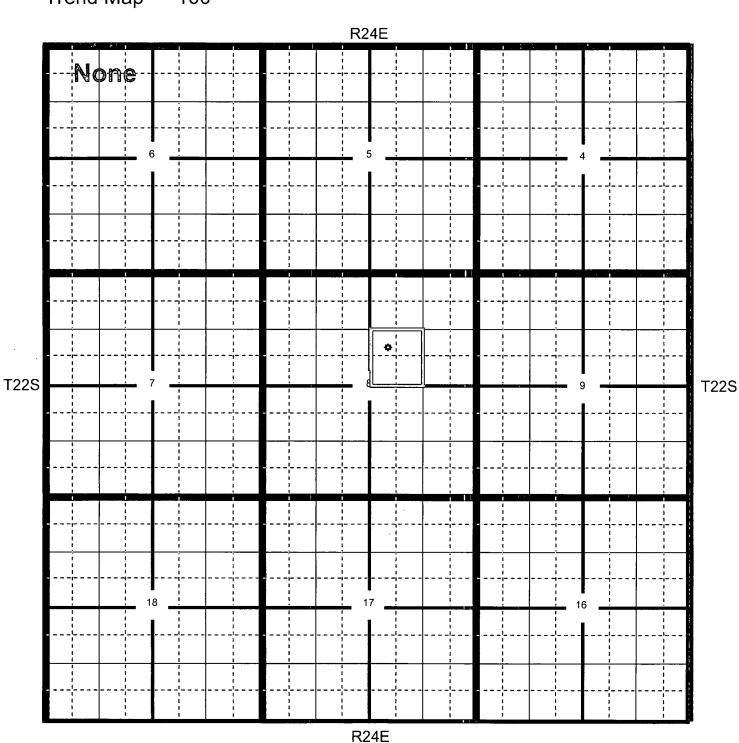
Oxy Old Ranch Knoll 8 Fed #7

County Eddy Unit Letter

Section 8 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

2

NWĮNW	NE/NW	NW/NE	NEINE
None			
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE ❖	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NWYSE	NEĮSE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

 ♣ Location
 OCD
 USGS
 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
		1	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	
otal Xylenes* <0.150		0.050	11/04/2012	ND	2.09	104	2.00	9.36	
		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	91.85	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	286 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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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:

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

OLD RANCH KNOLL 8 #7

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

BTEX 8021B	mg/	kg	Analyze	d By: AP			3.3 2.00 10.0 03 2.00 9.55 04 2.00 9.36 05 6.00 9.30 covery True Value QC RPD 04 400 3.77		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*			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	STEX <0.300 0.300		11/04/2012	ND						
Surrogate: 4-Bromofluorobenzene (PIL	urrogate: 4-Bromofluorobenzene (PIL 155 % 89.4-		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	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	RO >C10-C28 1310 10.0		11/03/2012	ND	218	109	200	8.81		
Surrogate: 1-Chlorooctane	93.75	65.2-14	0					- "		
Surrogate: 1-Chlorooctadecane	123 % 63.6-15-		4							

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Celey D. Kune



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	ed 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*	dbenzene* 0.934		11/04/2012	ND	2.09	104	2.00	9.36			
Total Xylenes*	Cylenes* 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 (PIC		% 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	<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	O >C10-C28 2800 10.0		11/03/2012	ND	218	109	200	8.81			
Surrogate: 1-Chlorooctane	112 5	112 % 65.2-140									
Surrogate: I-Chloroctadecane	1.17	0% 63.6-15	4								

Surrogate: 1-Chlorooctadecane

147 %

63.6-154

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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

Soil

Project Name:

Sampling Type:

Cool & Intact

Project Number:

OLD RANCH KNOLL 8 #7 NONE GIVEN

Sampling Condition: Sample Received By:

Jodi Henson

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*	zene* <0.050 0.050		11/04/2012	ND	2.07	103	2.00	9.55	
Ethylbenzene*			11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*			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 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					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 %

65.2-140

Surrogate: 1-Chlorooctadecane

334%

63.6-154

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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 2 @ 1' (H202669-05)

BTEX 8021B	mg/kg Result Reporting Limit		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*			11/04/2012	ND	2.09	104	2.00	9.36	
Total Xylenes*	ylenes* 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		% 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	<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 % 65.2-140		0						· · · · · · · · · · · · · · · · · · ·
Surrogate: 1-Chlorooctadecane	168 9	63.6-15	4						

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BBC International, Inc.

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

Fax To: (505) 397-0397

Received:

11/01/2012

11/01/2012

Sampling Date:

10/29/2012

Reported:

11/07/2012

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: E

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*			11/04/2012	ND	1.87	93.3	2.00	10.0	
Toluene*	ne* <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	X <0.300 0.300		11/04/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	124 %	6 89.4-126	i						
Chloride, SM4500CI-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	
	69.3 % 65.2-140								
Surrogate: 1-Chlorooctane	69.3 9	65.2-140)						

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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:

Sampling Type:

Soil

11/07/2012

Cool & Intact

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

Sampling Condition:

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

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

BTEX 8021B	mg/	mg/kg Analyzed 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*			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					
urrogate: 4-Bromofluorobenzene (PIE 350 % 89.4-		% 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	<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	1193	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	200 9	% 63.6-15	4						

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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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Celeg D. Keine

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.						BILL TO					***		P	NAL	YSIS	RE	QUES	ST			
	: Cliff Brunson						P.C). #:	1 7 													
Address: P.O.	Box 805						Cor	mpany:			Ì			l						1		
City: Hobbs	State: NM	Zip:	8	8241			Att	n:							ļ					l		
Phone #: 575-3	397-6388 Fax # : 575	-397	'-03	397		Address:											1					
Project #:	Project Owne	r: Ox	y		c			y:												1		
Project Name:	Old Ranch Knoll 8 #7							ite:	Zip:													
Project Location	n: Eddy County, NM						Ph	one #:														
Sampler Name:							Fax	κ#:												Ì		
FOR LAB USE ONLY					MATE	RIX	_	PRESERV.	SAMPLI	NG]											
Lab I.D. 41202 <i>1</i> 016 ⁴ 3	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	OII. SLUDGE	OTHER:	ACID/BASE: ICE / COÓL OTHER :	DATE	TIME	44	STX	2									
1	SP1 @ SURFACE	6			1			1	10/29/12	10:00 AM	V	1	✓									
	SP1 @ 1'	G	1							10:27 AM		✓	1									
	SP1 @ 1.5'	G	1		_			~		11:00 AM	1——	1	/									
	SP2 @ SURFACE	G	1							11:20 AM	-i	✓	\	L				ļ				
	SP2 @ 1'	6			_			· ·	10/29/12	11:51 AM	✓	✓	1					ļ				
les.	SP3 @ SURFACE	6	1		_/ 		! !		10/29/12	1:00 PM	1	✓	✓				<u> </u>					
	SP3 @ 1'	6	١.		1				10/29/12	1:30 PM	✓	\	✓									
						_											ļ					
	10/3/12				:											ļ					-	

PLEASE NOTE: Liability and Domages. Cardinate liability and claim's eveluance remedy for any dalim arising whether based in contract or tent, shall be hinked to the anytom base by the Gent for the anytom base by the Gent for the anytom based on the cause whatsoever shall be deemed whited unless made in whiting and received by Cardinal within \$0 days after completion of the explicable service. In no event shall Cardinal be liability for incliental or consequential damages, including wheel thinked white the process interruption, loss of use, or less of profes incurred by client, it is abolic arises,

affiliates of successors arising out of or related to the performance	of services hereunder by Cardinal, repardless of whether such carm is based upon any of t	the above stated reasons or otherwise.			
Relinguished By:	Date:/ / Received By:	Phone Resul	: 🗆 Yes	□ No	Add'l Phone #:
1/1/10/1	10/29/12	Fax Result:	☐ Yes	□ No	Add'l Fax #:
Vett Melez-	Time:	REMARKS:		,,,,,,	
Relinquished By:	Date: 1. La Received BV:				
	11/1/1/2-1 // 10/1/2	Orc			
Delivered By: (Circle One)	/ Sample Condition CHEC	KĘD BY:			
Sampler - UPS - Bus - Other:	Cool Intact (In	inials)			

#26

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2416

District I
1625 N. French Dr., Hobbs, 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 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

						OPERATOR					Final Report	
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 Fed #7						Facility Type Well						
Surface Ow	ner BLM			Mineral C)wner			Lease ?	No. API#30	-015-3	32621	
						OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County			
G	8	228	24E	1790		N	2170	E	Eddy Cour	ty, NN	А	
]	Latitude <u>N 32.40</u>	<u>)720°</u>	Longitu	de <u>W 104.5190</u> 0	<u>0°</u>				
				NAT	URE	OF REL						
Type of Rele	ase Oila	nd Produced v	vater			Volume of estimated		Volume I	Recovered	o bbls	3	
Source of Re	lease Uni	known				Date and H Unknown	our of Occurrenc		Hour of Disc 12 @ 3:30 pm			
Was Immedia	ate Notice (If YES, To	Whom?	1 07.27.20.	() 5 6 p			
			Yes [No 🗌 Not Re	quired	BLM notif	ed Oxy since the	spill was discoven	ed by James .	Amos	of the BLM.	
			James An	os of the BLM		Date and Hour 09/27/2012 @ 3:30 pm						
Was a Water	course Read		Yes 🗵	No		If YES, Volume Impacting the Watercourse.						
If a Watercou	use was Im	pacted, Descri	be Fully.	i		<u> </u>			and a state to the			
						•						
Describe Cau	se of Probl	em and Remed	lial Action	n Taken.*							-	
An unknown	source caus	sed an estimat	ed 8 bbls	of oil and produce	d water	to leak onto t	he ground. O bbis	were recovered.				
Describe Are	a Affected	and Cleanup A	ction Tak	en_*			*** -, ,					
The area affe	cted was ap	proximately 2	0'x 20'a	nd 8' x 104'. Ren	nediatio	a will be perí	ormed according	to an OCD and BL	.M approved	remed	iation plan.	
								nderstand that purs				
regulations al	l operators	are required to	report an	d'or file certain re	elease no	otifications ar	id perform correct	tive actions for rele sport" does not reli	eases which r	nay en	danger	
should their o	or the environer h	omnem. The ave failed to a	destately	investigate and re	mediate	contamination	on that bose a three	eport does not ren	eve uie opera	nor or er. hu	nan health	
or the enviror	ment. In a	ddition, NM	CD 3GED	tance of a C-1+1-	eport de	es not relieve	the operator of r	eat to ground water esponsibility for co	ompliance wi	th any	other	
federal, state,	or local lay	and regu	lenions.									
		///					OIL CONS	SERVATION	DIVISIO	N		
Signature:	16											
Printed Name	: Christo	pher Jones			A	Approved by	District Superviso	or.				
Title: HES	Specialist	**************************************				Approval Dat	e:	Expiration l	Date:			
E-mail Addre	ss: Chris	topher Jones(2)оху.сот			Conditions of Approval:			Attached			
Date: 10//	0/12-		Phor	ie: (575) 628-41	121			annua de de domo do	, remotted			

^{*} Attach Additional Sheets If Necessary

Kathy Purvis

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

E-Mail: cbrunson@bbcinternational.com

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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 < cbrunson@bbcinternational.com> 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:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: comm@bbcinternational.com

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

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

②

To: Cliff Brunson < cbrunson@bbcinternational.com>

Cc: Chris Jones < Christopher Jones@oxy.com >, Ken Swinney < kswinney@bbcinternational.com >, Jennifer Gilkey

<jgilkey@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.

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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,

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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

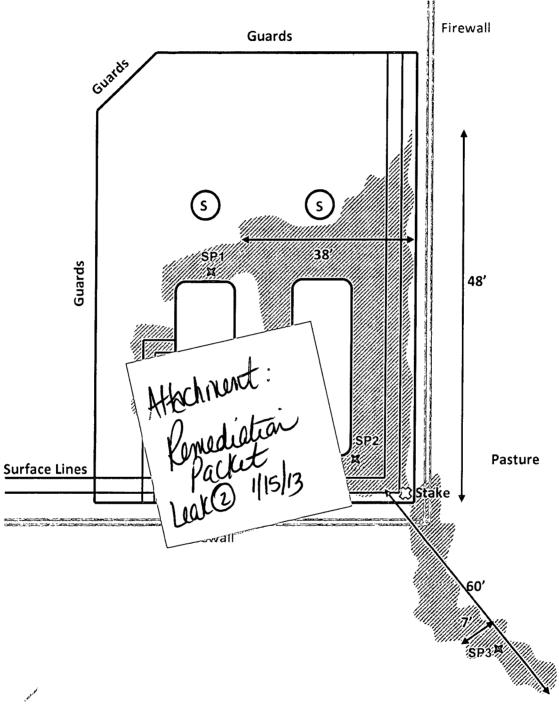
E-Mail: cbrunson@bbcinternational.com

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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 K	noll 8 Federal #7							
Date: 01/24/13 DRWG by: K. Purvis								
NOT TO SCALE	File: Oxy 2013							



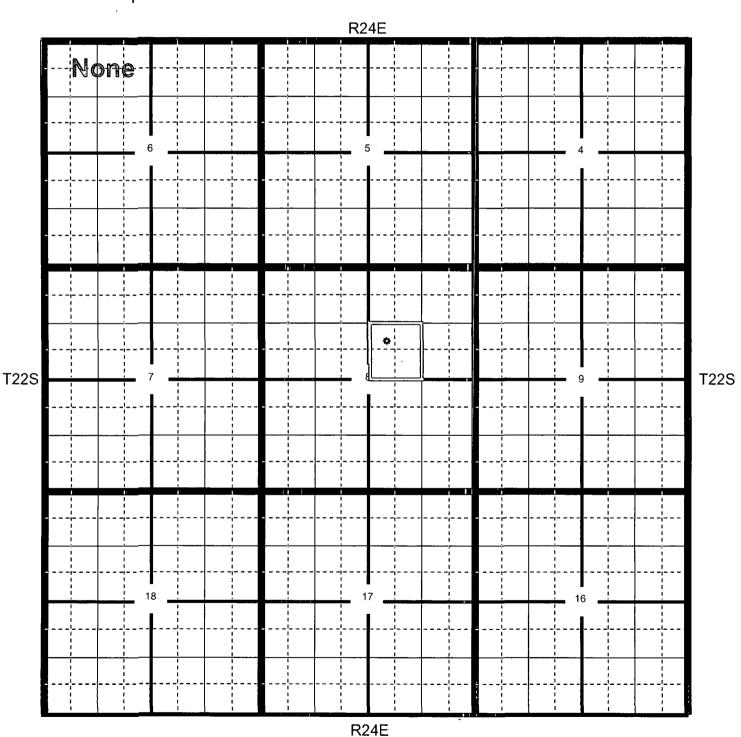
Groundwater Plot

Oxy Old Ranch Knoll 8 Fed #7

County Eddy *Unit Letter* G Section 8 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

2

NW/NW	NE/NW	NW/NE	NE/NE
None			
	-		
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SENW	SW/NE	SE/NE
		❖	
Unit Letter E NW/SW	Unit Letter F NE/SW	Unit Letter G	Unit Letter H NE/SE
IN W/ 5 W	INEAS W	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SWYSW	SE/SW	SW/SE	SE∤SE
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 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 D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To:

(575) 397-0397

Analyzed By: DW

Received:

02/07/2013

Sampling Date:

02/06/2013

Reported:

Chloride, SM4500CI-B

02/12/2013

Sampling Type:

Soil

Project Name:

OLD RANCH KNOLL 8 #7

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

mg/kg

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

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

				•					
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 Chloride, SM4500Cl-B	•	-03) /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, SM4500Cl-B	nloride, SM4500Cl-B mg/kg		Analyze	d By: DW					
Analyte	Result	Reporting Limit	Anatyzed	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 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:

Chloride, SM4500CI-B

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

mg/kg

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

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" (H3: Chloride, SM4500CI-B	_	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		16.0	02/08/2013	ND	448	112	400	7.41	

Analyzed By: DW

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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 & 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:** Project #: City: Project Name: State: Zip: Project Location: Phone #: elerander Fax #: Sampler Name: MATRIX PRESERV. SAMPLING FOR LAB USE ONLY Sample I.D. Lab I.D. H300349 TIME DATE analyses. At claims, including those for negligence and any other cause whatspayer shall be usefued waived unless made in writing and received by Cardinal with n 30 days after completion of the applicable service. In no event shall Cardinal be Pable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by chent, its subsidiaries, Relinguished By: Received By: ☐ Yes ☐ No Add'l Phone #: Phone Result: Fax Result: ☐ Yes ☐ No Add'I Fax #: Time: 30 REMARKS: Relinquished By: Received By: Date: Time:

CHECKED BY:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

#26

Sample Condition

Cool Intact
Yes Yes
No No

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

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

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

Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action												
						OPERA:	ГOR	Σ	Initi	al Report		Final Repor
Name of Co		Oxy Permia					hristopher Jone					
Address Facility Nar		ommerce Di Ranch Knoll				Telephone Nacility Typ		<u>-4121</u>				
			o reuera			raciiity Typ						
Surface Ow	ner BLM	1		Mineral C	Owner				Lease 1	No. API#30	<u>-015</u> -	-32621
				LOCA	ATION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/We	st Line	County		
G	8	22S	24E	1790	1	North	2170	Ea	st	Eddy Cou	nty, N	М
]	Latitude <u>N 32.4</u>	<u>10715°</u>	Longitu	ıde <u>W 104,5190</u>	<u>)0</u>				
				NAT	URE	OF RELI						
Type of Rele		iced water		·		Volume of				Recovered	0 bbl	
Source of Re		-	at Victaul	ic clamp froze an	d broke	1/15/13	lour of Occurrenc	e I	Date and	Hour of Dis	covery	У _.
Was Immedia	ite Notice C		Yes [No Not Re	emired	If YES, To	Whom? her- OCD, James	Amos-BI	.M			
						Terry Greg	ston-BLM					
By Whom? Was a Water				4.00			lour 1/16/13 @					
was a water	course Reac		Yes 🛚	No		If YES, Vo	lume Impacting t	he Waterc	ourse.			
If a Watercou	rse was [m	pacted, Descri	ibe Fully.*	*		l						
1												'
٠.,	:											
	_											
Describe Cau A water dump was repaired.					20 bbls o	of produced v	vater to leak onto	the ground	d. 0 bbls	were recov	ered a	nd the line
Describe Area	Affected a	ind Cleanup A	Action Tak	en.*						·····		
The area affe	cted is appr	oximately 10	0' x 40'. A	A water dump lin-	e at the v formed in	ictaulic clam 1 accordance	p froze and broke with an OCD and	causing 2 BLM app	20 bbls o proved re	f produced v emediation p	vater t lan.	o leak onto
I hereby certi	fy that the in	nformation gi	ven above	is true and comp	lete to the	e best of my	knowledge and ur	nderstand	that purs	uant to NM	OCD r	rules and
regulations al	l operators	are required to	report an	d/or file certain r	elease no	tifications an	d perform correct	tive action	s for rele	eases which	may e	ndanger
public health	or the envir	onment. The	acceptanc dequately	e of a C-141 repo	rt by the	NMOCD ma	arked as "Final Re on that pose a thre	eport" does	s not reli	eve the oper	ator o	f liability
or the environ	ment. In ac	idition, NMO	QD accept				the operator of r					
federal, state,	or local law	vs and/or regu	lations.				_					
	1/1	1/					OIL CONS	SERVA	TION_	DIVISIO	<u>N</u>	
Signature:	_///-	///										
Printed Name	: Christo	oher Jones			A	approved by	District Superviso	or:				
Title: HES	Specialist				A	pproval Date	2:	Ext	piration I	Date:		
E-mail Addre	ss: Christ	opher_Jones@	Doxv.com			onditions of						
11.	1									Attached	Ш	
Date: /// Attach Addit	7/13	to If Nagara	Phone:	(575) 628-412	1					1		
Auach Addit	ionai Shee	to II INCCESS	шy									