# **Closure Report**



AUG 1 2 2013

	Site Description
Site Name:	Old Ranch Knoll 8 Federal #6
Company:	Oxy Permian Ltd.
Legal Description:	U/L G, Section 8, T22S, R24E
County:	Eddy County, NM
GPS Coordinates:	N 32.40723° W 104.51708°

	Release Dafa
Date of Release:	01/15/2013
Type of Release:	Produced Water
Source of Release:	3" steel water line from discharge side of 3 phase separator
Volume of Release:	100 bbls
Volume Recovered:	70 bbls

Remediation Specifications								
RemediationExcavate across the entire leak site to a depth of 6 inches.Parameters:Then, backfill the site with clean soil.								
Remediation Activities:	07/11/2013 to 0	7/29/2013						
Plan Sent to OCD:	04/01/2013	Email from Cliff Brunson to Mike Bratcher						
OCD Approval of Plan:	04/05/2013	Email from Mike Bratcher to Cliff Brunson						
Plan Sent to BLM:	04/09/2013	Email from Cliff Brunson to James Amos						
BLM Approval of Plan:	04/12/2013	Email from James Amos to Cliff Brunson						

Supporting Documentation					
Initial C-141	Signed 01/17/2013				
Final C-141	Signed 08/09/2013				
Site Diagram	January 2013				
Groundwater Plot	<50'				
TOPO Maps	January 2013				
Lab Summary	02/06/2013				
Lab Analysis	02/06/2013				
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.

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08/09/2013

# State of New Mexico Energy Minerals and Natural Resources

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

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

		Rel	ease Notifie	catio	n and Co	orrective A	ction	1			
				-	OPERA			🛛 Initi	al Report		Final Report
Name of Company	Oxy Permia					Christopher Jone					
	ommerce Dr				Telephone I	<u>````</u>	8-4121				
Facility Name Old	Ranch Knoll	8 Federa	l #6		Facility Typ	e					
Surface Owner BLN	1		Mineral C	)wner	· · · ·			Lease N	No. API#3(	-015-3	32295
			LOCA	TIO	N OF REI	LEASE					
Unit Letter Section	Township	Range	Feet from the		/South Line	Feet from the	East/V	West Line	County		
G · 8	228	24E	2120		North	1600		East	Eddy Cou	ntv NN	Л
			Latitude <u>N 32.</u> 4	07729		ude <u>W 104.517</u>			Eucy cou	<i>(ity, 11)</i>	
		1			•		<u>vv</u>				
Type of Release Produ	uced water		NAI	URI	Volume of		hla	Volumo I	Recovered	70 bbl	
V1		e from die	charge side of 3 p	hase		Iour of Occurrence			Hour of Dis		
separator	soor water inte	e nom uts	enarge stae of 3 b	11030	1/15/13	tour of Occurrent	.0	Date and	HOUL OF DIS	covery	
Was Immediate Notice C					If YES, To						
	$\boxtimes$	Yes 🗌	No 🗌 Not Re	equired		ther- OCD, James	s Amos-	BLM,			
By Whom? Christop?	er Iones				Terry Greg	$\frac{\text{ston-BLM}}{\text{lour}}$	) 7.20 an				
Was a Watercourse Read						olume Impacting (					
		Yes 🛛	No			, U			CEIN	/Fr	2
D 1 0 (D11	<u>1</u> D	1.1 4 4	· · · · · · · · · · · · · · · · · · ·					1	UG 12 DCD AF		SIA
Describe Cause of Proble A 3" steel water line from recovered via vacuum tru	n the discharg	e side of t	he 3 phase separa	tor bro	ke causing 100	) bbls of produced	d water t	o leak onto	) the ground	. 70 bb	ols were
Describe Area Affected a The area affected is appr water to leak onto the gro with an OCD and BLM a I hereby certify that the in regulations all operators	coximately 17: bund. 70 bbls approved reme nformation giv	5' x 80'. were reco diation pl /en above	A 3" steel water li vered via vacuum an. is true and compl	ete to	The well is go he best of my	oing to be plugge	nderstan	ediation wi	ll be perform	ned in a	accordance
public health or the envir should their operations he or the environment. In a federal, state, or local law	onment. The ave failed to a ddition, MMO	acceptanc dequately	oFa C-141 repo	rt by th media	e NMOCD ma te contaminatio	arked as "Final Re on that pose a thre e the operator of r	eport" de eat to gro responsil	oes not reli ound water bility for co	eve the oper , surface wa ompliance w	ator of ter, hur with any	liability nan health
Signature:	$\mathbb{Z}$	F				OIL CONS		ATION	DIVISIC	<u>N</u>	
Printed Name: Christo	pher Jones	-			Approved by I	District Supervise	o <b>r:</b>				
Title: HES Specialist					Approval Date	<u>.                                    </u>	E	Expiration I	Date:		
1.1	opher_Jones@				Conditions of	Approval:			Attached		
Date: 1/17/13	ta If Nocessa	Phone:	(575) 628-412	l [					<u> </u>		

\* Attach Additional Sheets If Necessary

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# State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

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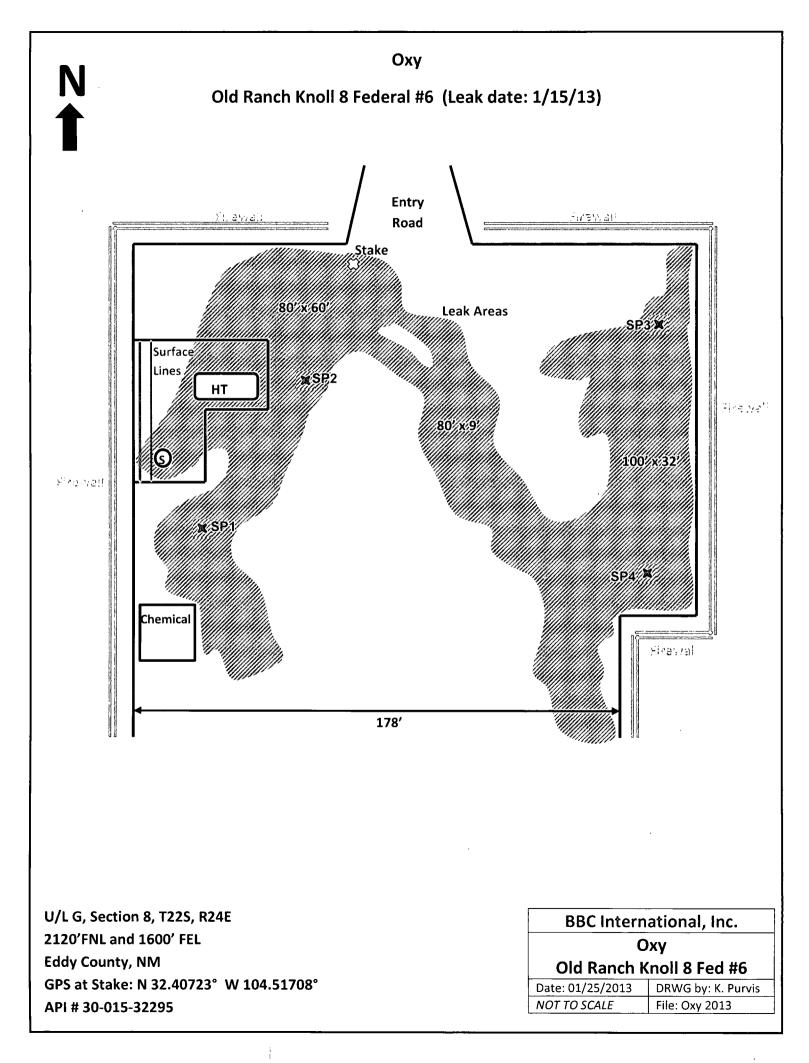
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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

			Rel	ease Notifi	catio	on and Co	orrective A	ctior	1			
						<b>OPERA</b>	FOR		🗌 Initi	al Report	$\boxtimes$	Final Repor
						Contact Christopher Jones						
						Telephone N		3-4121				
Facility Nat	Facility Name Old Ranch Knoll 8 Federal #6					Facility Typ	e	<u> </u>				
Surface Ow	Surface Owner BLM Mineral Owner				Dwner				Lease N	No. API#30	-015-3	32295
				LOCA	ATIC	ON OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/	West Line	County		
G	8	22S	24E	2120	 	North	1600		East	Eddy Cour	aty, NM	<u>A</u>
				Latitude <u>N 32.4</u>	40723	<u>°</u> Longitı	1 <b>de</b> <u>W 104.517</u>	<u>00</u>				
		·		NAT	<b>UR</b>	E OF REL						
Type of Rele		iced water			<u> </u>	Volume of				Recovered	70 bbi	
Source of Re separator			e from dis	charge side of 3 p	phase	Date and H 1/15/13	lour of Occurrenc	e	Date and	Hour of Dis	covery	
Was Immedia	ate Notice (					If YES, To						
		X	Yes 🗋	No 🗌 Not R	equired	d Mike Brate Terry Greg	cher- OCD, James	s Amos-	BLM,			
By Whom?	Christoph	er Jones				Date and H	lour 1/16/13 @					
Was a Water	course Read		T. 57			If YES, Vo	olume Impacting t	the Wate	ercourse.			
			Yes 🛛		_				[	REC		/ED]
If a Watercou	irse was Im	pacted, Descri	be Fully.*	l:					{			
										AUG	122	2013
			•						-			
Describe Cau	of Du-1-1		1-1 A -+!	. 77-1 *						MMOCE	) AR	TESIA
				h Taken.* he 3 phase separa	ator bro	oke causing 100	) bbls of produced	d water	to leak onto	the ground.	70 bb	ols were
recovered via							, cons or produce.			, the Broand	,,,,,,	
Describe Are	A ffected	and Cleanup A	ction Tak	-en *					· · · · · · · · · · · · · · · · · · ·			
				A 3" steel water l	ine fro	m the discharge	e side of the 3 ph	ase sepa	rator broke	causing 100	) bbls c	of produced
water to leak	onto the gro	ound. 70 bbls	were reco	overed via vacuun	n truck	. The well is g	oing to be plugge	d. Rem	ediation w	as completed	l in acc	ordance with
a remediation	. plan appro	ved by Mike I	Bratcher o	f NMOCD via en	nail on	. 04/05/2013 an	d approved by Ja	mes An	ios of the B	LM via ema	il on 0	4/12/2013.
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to	the best of my	knowledge and u	nderstar	nd that purs	suant to NM	DCD n	ules and
regulations al	l operators	are required to	report a	id/or file certain r	elease	notifications ar	nd perform correct	tive act	ions for rel	eases which	may en	ndanger
should their o	or the envir perations h	onment. The ave failed to a	acceptance demately	e of a C-141 repo investigate and r	ort by t emedia	he NMOCD ma ate contaminati	arked as "Final R on that nose a thr	eport" d	loes not reli	eve the oper	ator of ter hu	liability man health
or the enviror	ment. In a	ddition/NMO	CD accep	tance of a C-141	report	does not reliev	e the operator of	responsi	bility for c	ompliance wa	ith any	v other
federal, state,	or local lav	vs and/or/regu	lations.									
	11	1_		ال المحالية عن من بين المنظلية في موجود الما الي عن المركز العالم العالم العالم العالم الم			OIL CON	SERV	ATION	DIVISIC	<u> </u>	!
Signature:	110	K										i
Printed Name	Christo	pher Jones	-			Approved by	District Supervise	or:				
		parer source					<u> </u>					
Title: HES	Specialist					Approval Dat	e:		Expiration	Date:		
E-mail Addre	ss: Chris	topher_Jones(	@oxy.com	l		Conditions of	Approval:			Attached		
Date: 8-	-9-1	3	Phone:	(575) 628-412	1							

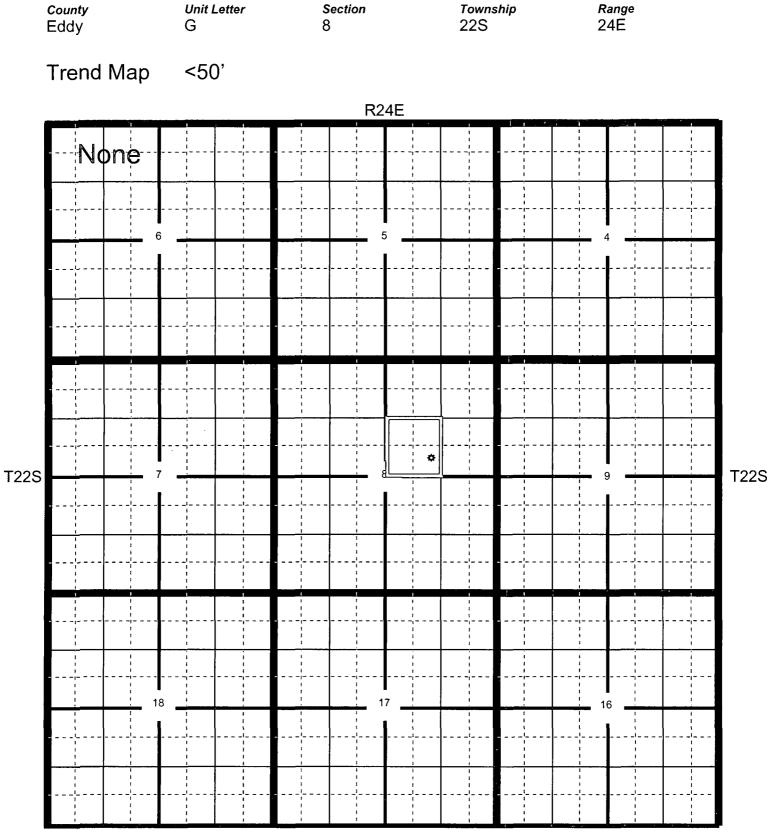
\* Attach Additional Sheets If Necessary





**Groundwater Plot** 

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



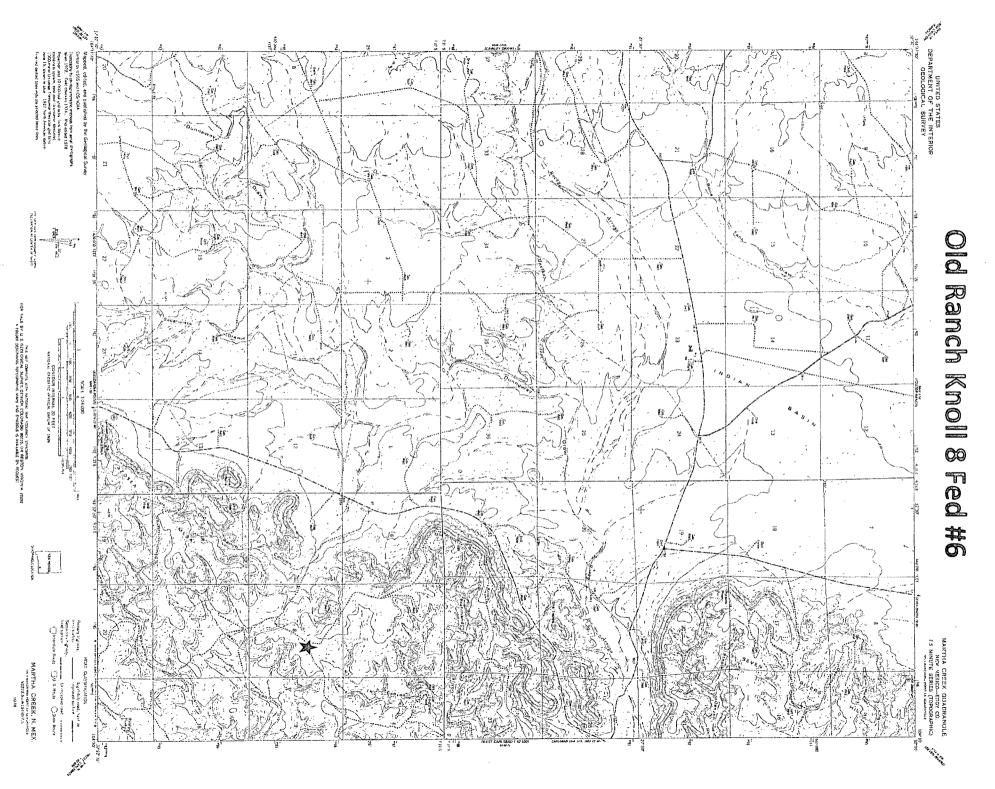
R24E



Section Quarters

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

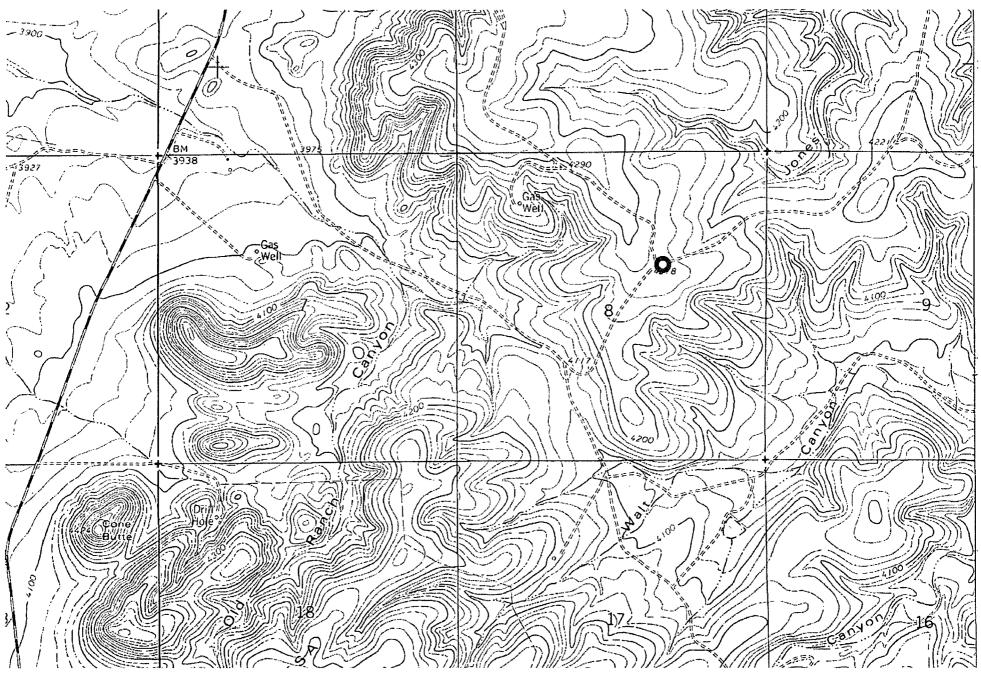
<i>County</i> Eddy		Section Township 8 22S	Range 24E	
Trend Map	<50'			
	1		2	
NW/NW	NE/NW	NW/NE		NE/NE
None				
Unit Letter D	Unit Letter C	Unit Letter B		Unit Letter A
SW/NW	SE/NW	SW/NE		SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	*	Jnit Letter H
NW/SW	NE/SW	NW/SE		NE/SE
Unit Letter L	Unit Letter K			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	an tha an



Oxy

Oxy

Old Ranch Knoll 8 Fed #6



### Laboratory Analytical Results Summary Old Ranch Knoll 8 #6

		Sample	SP1 @ SURFACE	SP1@6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	N/A
Toluene	BTEX 8021B		<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	N/A
Total BTEX	BTEX 8021B		< 0.300	N/A
Chloride	SM4500CI-B		4800	64
GRO	TPH 8015M		<10.0	N/A
DRO	TPH 8015M		<10.0	N/A

		Sampte	SP2@ SURFACE	ŚP2 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		4880	96

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		Sample	SP3 @ SURFACE	SP3@6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		N/A	<0.050
Toluene	BTEX 8021B		N/A	<0.050
Ethylbenzene	BTEX 8021B		N/A	<0.050
Total Xylenes	BTEX 8021B		N/A	<0.150
Total BTEX	BTEX 8021B		N/A	<0.300
Chloride	SM4500CI-B		4800	96
GRO	TPH 8015M		N/A	<10.0
DRO	TPH 8015M		N/A	<10.0

		Sample	SP4@ SURFACE	SP4 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		4640	64



February 15, 2013

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

RE: OLD RANCH KNOLL 8 #6

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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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.

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,

Celeg & Keine

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:	02/15/2013	Sampling Type:	Soil
Project Name:	OLD RANCH KNOLL 8 #6	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: SP 1 @ SURFACE (H300348-01)

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	02/12/2013	ND	1.96	98.0	2.00	7.13	
Toluene*	< 0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14	
Total BTEX	<0.300	0.300	02/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 111 % 89.4-126

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	02/08/2013	ND	448	112	400	7.41	
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	02/08/2013	ND	203	101	200	10.2	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	192	96.1	200	15.1	
Surrogate: 1-Chlorooctane	72.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.4	% 63.6-15	4						

### Sample ID: SP 1 @ 6" (H300348-02)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2013	ND	448	112	400	7.41	

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Celey Di Keine

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:	02/15/2013	Sampling Type:	Soil
Project Name:	OLD RANCH KNOLL 8 #6	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: SP 2 @ SURFACE (H300348-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW		<u>.</u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	02/08/2013	ND	448	112	400	7.41	

#### Sample ID: SP 2 @ 6" (H300348-04)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/08/2013	ND	448	112	400	7.41	

#### Sample ID: SP 3 @ SURFACE (H300348-05)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	02/08/2013	ND	448	112	400	7.41	

#### Cardinal Laboratories

#### \*=Accredited Analyte

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Celey D. Keine

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:	02/15/2013	Sampling Type:	Soil
Project Name:	OLD RANCH KNOLL 8 #6	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample 1D: SP 3 @ 6" (H300348-06)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.13	
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14	
Total BTEX	<0.300	0.300	02/12/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	Ш	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	96.0	16.0	02/08/2013	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	02/08/2013	ND	203	101	200	10.2	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	192	96.1	200	15.1	
Surrogate: 1-Chlorooctane	77.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	89.2	% 63.6-15	4						

#### Chloride, SM4500CI-B Analyzed By: DW mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD Oualifier % Recoverv Chloride 4640 16.0 02/08/2013 ND 448 112 400 7.41

#### Cardinal Laboratories

#### \*=Accredited Analyte

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Celey D. Keine

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:	02/15/2013	Sampling Type:	Soil
Project Name:	OLD RANCH KNOLL 8 #6	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: SP 4 @ 6" (H300348-08)

Chloride, SM4500CI-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2013	ND	448	112	400	7.41	

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#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by 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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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RDINAL LABORATORIES

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

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Company Name	BBC International, Inc.		BILL TO	ANALYSIS REQUEST						
Project Manager	r: Cliff Brunson		P.O. #:							
Address: P.O.	Box 805		Company:							
city: Hobbs	State: NM	Zip: 88241	Attn:							
Phone #: 575-3	397-6388 Fax #: 575	-397-0397	Address: SAME							
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Project Name:	Old Ranch Knol		State: Zip:							
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