By JKeyes at 3:14 pm, Oct 26, 2015

Site Description						
Site Name:	Madera 17 Federal #1H					
Company:	Oxy Permian Ltd.					
Legal Description:	U/L B, Section 17, T26S, R35E					
County:	Lea County, NM					
GPS Coordinates:	N 32.04947° W 103.38851°					

Release Data						
Date of Release:	07/21/2015					
Type of Release:	Oil and produced water					
Source of Release:	heater treater fire tube gasket failure					
Volume of Release:	135 bbls oil, 20 bbls water					
Volume Recovered:	130 bbls oil, 13 bbls produced water					

Remediation Specifications							
Remediation Parameters:	Surface scrape the areas around SP1, SP2, SP3, SP4, and SP5 to a depth of 6 inches. Backdrag the overspray area represented by sample points SP6 and SP7. Backfill the site with clean soil.						
Remediation Activities:	09/25/2015 to 09/30/2015						

Plan Sent to OCD:	08/17/2015	Email from Cliff Brunson to Kellie Jones
OCD Approval of Plan:	08/18/2015	Email from Kellie Jones to Cliff Brunson
Plan Sent to BLM:	08/18/2015	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	08/19/2015	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation						
Initial C-141	Signed 08/13/2015					
Final C-141	Signed 10/07/2015					
Site Diagram	July 2015					
Groundwater Plot	125'-150'					
TOPO Maps	July 2015					
Lab Summary	08/06/2015					
Lab Analysis	08/06/2015					
Correspondence	Request and approval of remediation plan via email					

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc. 10/23/2015 <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

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

Release Notification and Corrective Action

Form C-141 Revised August 8, 2011

						OPERA'	ГOR		Initi	al Report		Final Repor
Name of Company Oxy Permian Ltd.					Contact Chancey Summers					<u></u>		
		ive, Midland		705		Telephone 1	No. (432) 685	-5824				
Facility Name Madera 17 Federal #1H						Facility Typ	e Well					
Surface Ow	ner BLN	М		Mineral C	wner				API No	30-25-4	1059	
				LOCA	OITA	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	West Line	County		
В	17	26S	35E			;		İ		Lea Count	u NM	
	Latitude N 32.04947° Longitude W 103.38851°											
				-		OF RELI	-	_				
Type of Rele	ase Oil ar	nd produced w	ater	1(211	UIL		Release 135 bb	ls oil	Volume I	Recovered	130 bt	hls oil
							duced water			roduced water		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Source of Re tube gasket to	o fail		a line cau	sed the heater trea	ter fire	07/21/2015		e	Date and	Hour of Dis	covery	
Was Immedia	ate Notice G		Yes 🗀	No 🔲 Not Re	quired	If YES, To Kellie Jone	Whom? s- NMOCD; She	lly Tuck	cer and Jam	es Amos- B	LM	
By Whom?		vis, BBC Inter	national				our 07/21/201:					
Was a Water	course Reacl	hed?	Yes 🛚	No		If YES, Vo	lume Impacting t	he Wate	ercourse.			
If a Watercou	irse was Imp	acted, Descri	be Fully.*									
Describe Cau				Taken.*	foil thu	g gnilling 125	halo of oil and 22	n khla o	functional			
vacuum truck	recovered 1	130 bbls of oil	and 13 bl	ols of produced w	ater and	the gasket w	as repaired/replac	ed.	i produced	water onto i	ne grou	ma. A
Describe Area	a Affected a	nd Cleanup A	ction Tak	en.*								
NMOCD and	the BLM.			th on and off locat								
regulations all public health should their o	l operators a or the enviro perations ha ment. In ad	re required to onment. The a ve failed to act dition, NMO (report and acceptance lequately CD accept	is true and comple d/or file certain re e of a C-141 report investigate and re ance of a C-141 re	lease no t by the mediate	otifications an NMOCD ma contamination	d perform correct rked as "Final Re on that pose a thre	tive acti port" de at to gr	ons for rele oes not reli ound water	eases which neve the opera surface wat	may end ator of iter, hun	danger liability nan health
Signature:							OIL CONS	SERV	ATION	DIVISIO	N	
				Approved by Environmental Specialist:								
Title: HES					F	Approval Date	l Date: Expiration De		Date:			
E-mail Address Date:	ss: Chance	ey Summers@	②oxy.com Phone:	(432) 685-582		Conditions of Approval: Attached						
Attach Additi	onal Chast	a If Nicasaa		() 555 502						<u> </u>		

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

* Attach Additional Sheets If Necessary

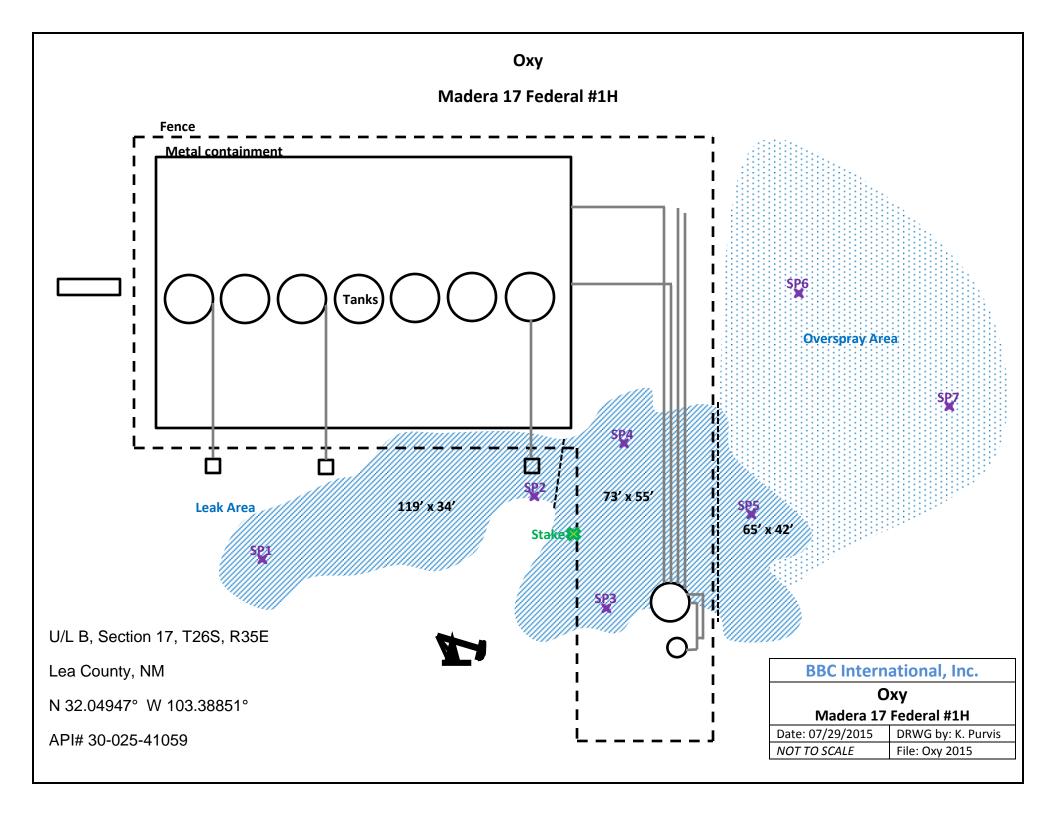
State of New Mexico Energy Minerals and Natural Resources

Submit 1 Copy to appropriate District Office in accordance with 19.15,29 NMAC.

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

Form C-141 Revised August 8, 2011

			Rel	ease Notific	cation	n and Co	orrective A	ction	1			
						OPERA			Initi	al Report		Final Repor
Name of Co		Oxy Permia rive, Midland		705		Contact Dusty Wilson					-	
Facility Nar		era 17 Feder		703		Telephone No. (432) 685-5771 Facility Type Well						
Surface Ow	ner BLN			Mineral C					ADINI	20.25.4	1050	
bullace Ow.	ilei DLi	VI.							API No	0. 30-25-4	1059	
Unit Letter	Section	T	T			OF REI		· /-				
Omi Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County		
В	17	26S	35E							Lea Count	y, NM	
]	Latitude <u>N 32.0</u>)4947°	Longitue	de <u>W 103.3885</u>	<u>1°</u>				
				NAT	URE	OF RELI	EASE					
Type of Relea	ase Oil ar	nd produced v	vater			Volume of	Release 135 bbl	s oil,			130 bł	bls oil,
Source of Rel	ease Ove	er-pressure of	a line cau	sed the heater trea	ater fire		duced water our of Occurrence	_		roduced wate Hour of Disc		
tube gasket to	fail	_				07/21/2015			Date and		Jovery	
Was Immedia	ite Notice G		Yes [] No □ Not Re	eonired	If YES, To	Whom? s- NMOCD; Shel	ly Tuck	er and Iam	as Amos Bi	гм	·
By Whom?	Kathy Pur	vis, BBC Inte		1100 110010		Date and H	· · · · · · · · · · · · · · · · · · ·			————		
Was a Waterc		hed?		7		If YES, Volume Impacting the Watercourse.						
If a Watercou				=								
Describe Caus				n Taken.* fire tube gasket to	fail thus	anilling 135	hhla of ail and 20) kklo ot	f and and	ton onto ti		J A
vacuum truck	recovered 1	130 bbls of oil	l and 13 bl	bls of produced w	ater and	the gasket wa	as repaired/replac	ed.	r produced	water onto u	ne grou	ına. A
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*		· · · · · ·						
Kellie Jones o	f NMOCD ·	via email on (08/18/201:	oth on and off local 5 and approved by	y Shelly '	Tucker of the	BLM via email o	on 08/19	9/2015.			
regulations all public health of should their of	operators a or the enviro perations ha ment. In ad	are required to conment. The a live failed to ad Idition, NMO	report an acceptance dequately CD accept	is true and compled/or file certain ree of a C-141 report investigate and retance of a C-141 records.	elease not rt by the emediate	tifications and NMOCD mas contaminatio	d perform correct rked as "Final Re a that pose a threa the operator of re	ive action port" do at to groes at to groes at to groes at the groes a	ons for rele oes not relic ound water, oility for co	ases which neve the opera surface water surface with ampliance wi	nay end ator of er, hun ith any	danger liability nan health
Signature:	The terms of the t											
Printed Maine:	Dusty W	/ilson			A	pproved by E	Environmental Sp	ecialist:				
Title: Enviro	onmental Ac	dvisor			A	pproval Date:	:	E	xpiration D	Pate:		
E-mail Address	1 /	Wilson@oxy	/.com		C	onditions of A	Approval:			Attached		
Date: [0]	17/115)	Phone:	(432) 685-577	71							



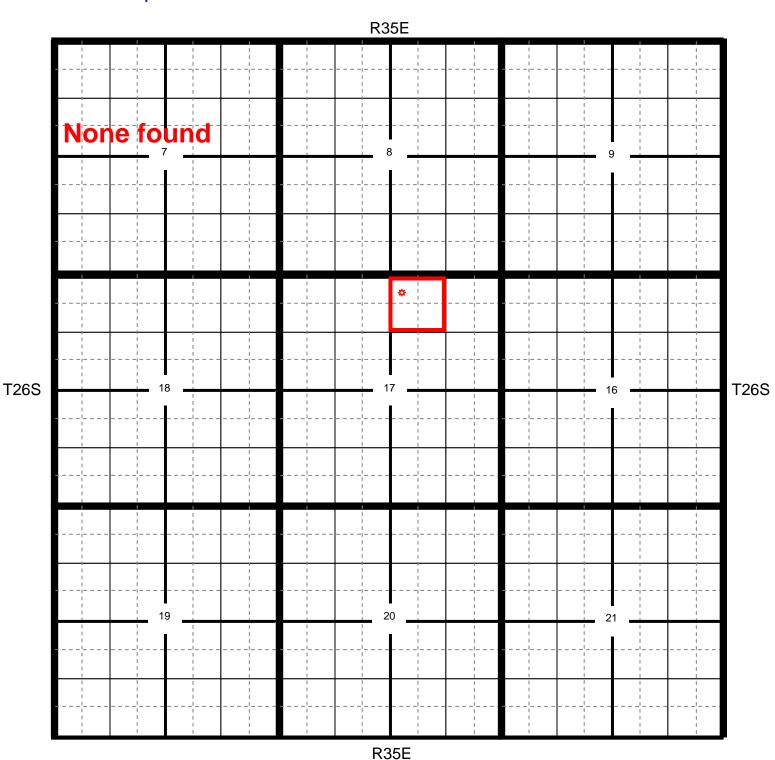


Groundwater Plot

Oxy Madera 17 Federal #1H

CountyUnit LetterSectionTownshipRangeLeaB17T26SR35E

Trend Map <150'



Location

OCD

USGS

SEO

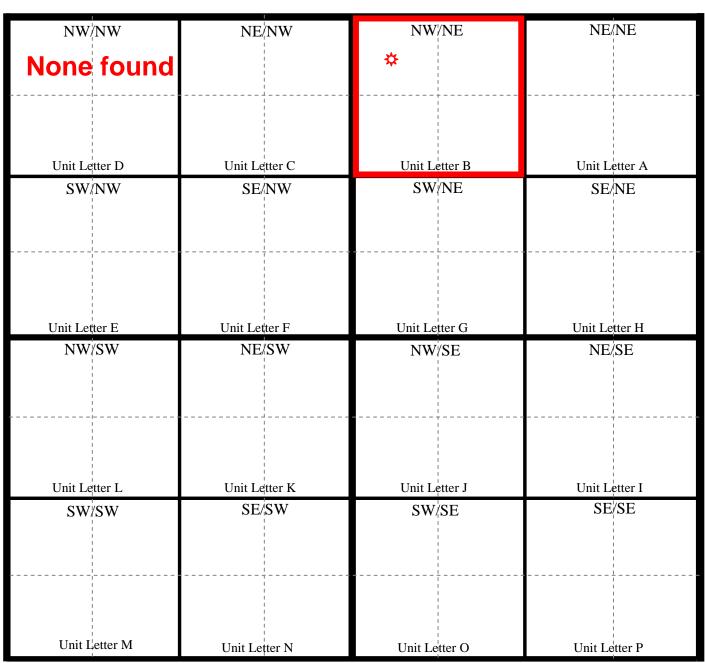
All Databases

Oxy Madera 17 Federal #1H

CountyUnit LetterSectionTownshipRangeLeaB1726S35E

Trend Map 150'

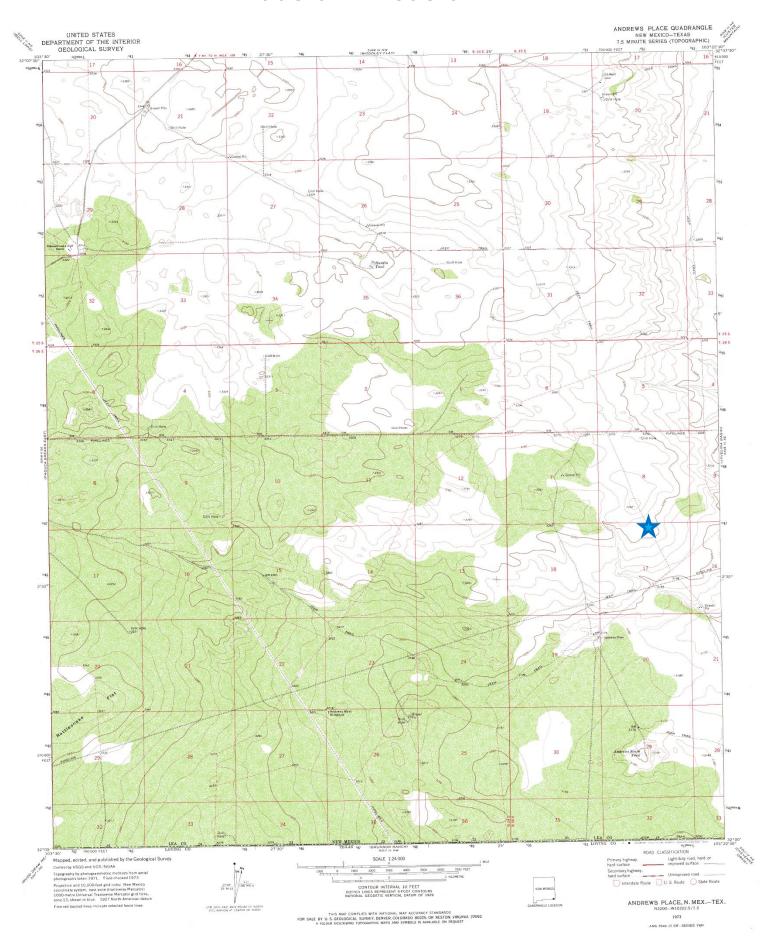
1



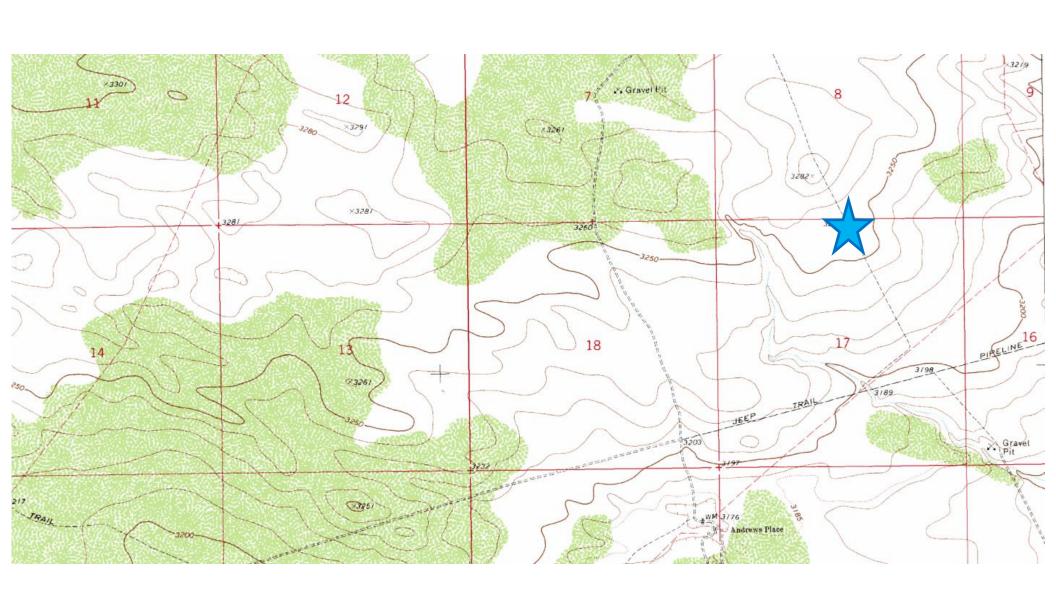
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Оху

Madera 17 Federal #1H



Oxy
Madera 17 Federal #1H



Laboratory Analytical Results Summary Madera 17 Federal #1H

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	8/6/15	8/6/15	8/6/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		0.052	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		368	272	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	8/6/15	8/6/15	8/6/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		32	<16.0	16
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	8/6/15	8/6/15	8/6/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		<16.0	<16.0	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	8/6/15	8/6/15	8/6/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		< 0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		32	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	8/6/15	8/6/15	8/6/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		< 0.150	<0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		32	<16.0	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP6 @ 1'
Analyte	Method	Date	8/6/15
			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
Chloride	SM4500CI-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP7 @ 1'
Analyte	Method	Date	8/6/15
			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
Chloride	SM4500CI-B		48
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



August 14, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MADERA 17 FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 08/07/15 13:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP1 @ 1' (H502069-01)

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	08/11/2015	ND	2.00	99.9	2.00	1.69	
Toluene*	0.052	0.050	08/11/2015	ND	2.14	107	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.06	103	2.00	7.49	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.12	102	6.00	6.95	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	115 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	126	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



NOT GIVEN

Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Sample ID: SP1 @ 2' (H502069-02)

Project Location:

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 85.6-13	7						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	111 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: SP1 @ 3' (H502069-03)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	110 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	139	% 52 1-17	6						

Surrogate: 1-Chlorooctadecane 139 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP2 @ 1' (H502069-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	110 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	125 %	52.1-17	6						

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Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: SP2 @ 2' (H502069-05)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 85.6-13	7						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	115 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	136	% 52 1-17	6						

Surrogate: 1-Chlorooctadecane 136 % 52.1-176

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP2 @ 3' (H502069-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/08/2015	ND	205	102	200	1.07	
DRO >C10-C28	<10.0	10.0	08/08/2015	ND	190	95.2	200	1.70	
Surrogate: 1-Chlorooctane	122 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	156 9	% 52.1-17	6						

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP3 @ 1' (H502069-07)

BTEX 8021B	mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2015	ND	2.22	111	2.00	0.0643	
T 1 44			00/11/0015						

Benzene*	< 0.050	0.050	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	< 0.300	0.300	08/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID 105 % 85.6-137

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/08/2015	ND	205	102	200	1.07	

ND

190

95.2

200

1.70

08/08/2015

Surrogate: 1-Chlorooctane 116 % 47.2-157

<10.0

10.0

DRO >C10-C28

Surrogate: 1-Chlorooctadecane 147 % 52.1-176

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP3 @ 2' (H502069-08)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	125 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	155 9	52.1-17	6						

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP3 @ 3' (H502069-09)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	< 0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	< 0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	118 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	130 9	6 52.1-17	6						

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP4 @ 1' (H502069-10)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	< 0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	120 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	141 %	52.1-17	6						

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP4 @ 2' (H502069-11)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	119 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	134 9	52.1-17	6						

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP4 @ 3' (H502069-12)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	< 0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	< 0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	122 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	139 9	6 52.1-17	6						

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP5 @ 1' (H502069-13)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	< 0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	117 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	130 %	6 52.1-17	6						

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

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP5 @ 2' (H502069-14)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	120 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	135 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP5 @ 3' (H502069-15)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	< 0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	< 0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	125 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	161 9	52.1-17	6						

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

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP6 @ 1' (H502069-16)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	120 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	151 9	% 52.1-17	6						

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BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/14/2015 Sampling Type: Soil

Project Name: MADERA 17 FED 1H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: SP7 @ 1' (H502069-17)

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	08/11/2015	ND	2.22	111	2.00	0.0643	
Toluene*	<0.050	0.050	08/11/2015	ND	2.14	107	2.00	0.619	
Ethylbenzene*	<0.050	0.050	08/11/2015	ND	2.36	118	2.00	0.403	
Total Xylenes*	<0.150	0.150	08/11/2015	ND	6.68	111	6.00	0.406	
Total BTEX	<0.300	0.300	08/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/12/2015	ND	432	108	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	<10.0	10.0	08/10/2015	ND	204	102	200	5.09	
DRO >C10-C28	<10.0	10.0	08/10/2015	ND	189	94.4	200	13.2	
Surrogate: 1-Chlorooctane	124 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	136 %	6 52.1-17	6						

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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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

וספן ספט בסבט היהון שטטן שטט	2710			101
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: SAME		
Phone #: 575-397-6388 Fax #: 5	575-397-0397	Address:	\$ 100 miles 100	
Project #: Project Owner:	OXV	City:		
Project Name: 1/4/2004 17	111 03	State: Zip:	<u> </u>	
Project Location:		Phone #:		
Sampler Name: Forer Hernangez		Fax#:	272	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	1/ 1/ 2/A	
	RS		P.A. E.A. Z.O.	
Lab I.D. Sample I.D.	OGE	ER; //BASE: COOL ER:	7 / 3/ CH	
AN TAINE	# C GF W/ SC OII	AC	TIME CONTRACTOR OF THE CONTRAC	
% / € 2′	0	N 8.6./5	824	
(3) © 3:	\ \ \ \	11.9.8	100 100	
4 SP20 1:	7	1.9.8	932 1/1/	
6 Z.		10.9.8	1 850	
2 CD30 /	200	1.00	1/1/1/2001	
× ~ ~ ~ 2′	2/2	7178	1070 / UV	
. S.	7	1.3.8 1	128 1 1820	
1015PH @ 11	N	N 960	109 1 100	
PLEASE NOTE: Liability and Damagles. Cardinal's liability and client's exclusive remest for any claim arising whether based in contract or ton, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoere shall be deemed walved unless made in writing and received by Cardinal writin 30 days after competion of the applicable service, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business attemptions, loss of use, or loss of politis included by client, its substitutes. Still also or successions stelling out of or reliable to incidental or consequental damages, including without limitation, business after upon to the above states are not successful.	medy for any claim arising whether based in contract or is shall be deemed walved unless made in writing and re st, anduding without limitation, business interruptions, as made by Cardinal respondess of whether such plain is to	tor tort shall be limited to the amount pake d received by Cardinal within 30 days after loss of use, or loss of profits incurred by o k based innor any of the above stated real	by the client for the completion of the applicable completion of the applicable control that applicable control the control that applicable control that applicabl	
hed By: Date: Time:	Received By:	F 18	Phone Result: ☐ Yes ☐ No Add'I Phone #: Fax Result: ☐ Yes ☐ No Add'I Fax #: REMARKS:	
1			REMARKS	
Kellillula Dy.	S received by:	,		

CHECKED BY:

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

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

	18			
Company Name:	BBC International, Inc.		BILL TO	ANALYSIS REQUEST
Project Manager	Project Manager: Cliff Brunson		P.O. #:	
Address: P.O. Box 805	Box 805	*	Company:	
city: Hobbs	State: NM	zip: 88241	Attn: ·	
Phone #: 575-397-6388	Fax #:	575-397-0397	Address: SAME	
Project #:	Project Owner:	CVY	City:	
Project Name:	Marke 17 1	111 02	State: Zip:	<i>E</i>
Project Location:			Phone #:	<u> </u>
Sampler Name:	Fost Honas	lez	Fax#:	27,
FOR LAB USE ONLY	1 1	MATRIX	PRESERV. SAMPLING	/ ?K
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP CONTAINERS GROUNDWATER NASTEWATER GOIL DIL GLUDGE	OTHER: ACID/BASE: CE / COOL OTHER:	TPH BIEX CHLO
	Spye 2'	611	1 8.4.5 8044	1111
ŭ	1 .63.	611	0.508 11.9.3	
ω	505 @ 1:	19	127 8 122	1111
74	62	0 13	18 18 18 18 18 18 18 18 18 18 18 18 18 1	
Z	ر د د	0	911.8 11.9.8	111
16	506 e 1'	611	1128 1198 1	
1.	5/201	1	V 860 122	
			• •	

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

#54

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Relinquished By:

Received By

Phone Result: Fax Result: REMARKS:

☐ Yes

□ No Add'I Phone #:

CHECKED BY:

Relinquished By:

Kathy Purvis

From: Jones, Kellie, EMNRD < Kellie.Jones@state.nm.us>

Sent: Tuesday, August 18, 2015 1:04 PM **To:** Cliff Brunson; Tucker, Shelly

Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer

Gilkey; Kathy Purvis

Subject: RE: OXY Madera 17 Federal #1H - Remediation Plan

Cliff,

The work plan is approved as submitted. Ensure BLM approval.

Have a great day!

Kellie Jones Environmental Specialist, District 1 Oil Conservation Division, EMNRD 575-393-6161 ext. 111 575-370-3180 (emergency-cell) E-Mail: kellie.jones@state.nm.us

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

Please note:

- -The OCD is no longer granting "risk-based," or standard closure of events/RPs with remediation deferred to site abandonment/sale/closure. The RP will remain open until such time as historic contamination is addressed.
- -Photographic documentation is stipulated for all events involving liquids.

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

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

Sent: Monday, August 17, 2015 2:46 PM

To: Jones, Kellie, EMNRD

Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY Madera 17 Federal #1H - Remediation Plan

Kellie,

This e-mail is to confirm our discussion on Friday, August 14, 2015 concerning the remediation plan for the Oxy Madera 17 Federal #1H. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397

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than the named recipient(3) is strictly promoted.

Kathy Purvis

From: Tucker, Shelly <stucker@blm.gov>
Sent: Wednesday, August 19, 2015 11:28 AM

To: Jones, Kellie, EMNRD

Cc: Cliff Brunson; Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; C J Summers; Ken

Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Re: OXY Madera 17 Federal #1H - Remediation Plan

BLM accepts/approves your Work Plan.

The BLM approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly G Tucker

Environmental Protection Specialist Bureau of Land Management

620 E. Greene St Carlsbad, NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular

stucker@blm.gov



On Tue, Aug 18, 2015 at 1:03 PM, Jones, Kellie, EMNRD < Kellie.Jones@state.nm.us > wrote:

Cliff,

The work plan is approved as submitted. Ensure BLM approval.

Have a great day!

Kellie Jones

Environmental Specialist, District 1

Oil Conservation Division, EMNRD

575-393-6161 ext. 111

575-370-3180 (emergency-cell)

E-Mail: kellie.jones@state.nm.us

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

Please note:

- -The OCD is no longer granting "risk-based," or standard closure of events/RPs with remediation deferred to site abandonment/sale/closure. The RP will remain open until such time as historic contamination is addressed.
- -Photographic documentation is stipulated for all events involving liquids.

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

From: Cliff Brunson [mailto:<u>cbrunson@bbcinternational.com</u>]

Sent: Monday, August 17, 2015 2:46 PM

To: Jones, Kellie, EMNRD

Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy

Purvis

Subject: OXY Madera 17 Federal #1H - Remediation Plan

Kellie.

This e-mail is to confirm our discussion on Friday, August 14, 2015 concerning the remediation plan for the Oxy Madera 17 Federal #1H. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.
If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.
Thanks, Cliff
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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