Closure Report



Site Description						
Site Name:	South Mattix Yeso Satellite					
Company:	Oxy Permian Ltd.					
Legal Description:	U/L O, Section 15, T24S, R37E					
County:	Lea County, NM					
GPS Coordinates:	N 32.21246° W 103.14967°					

Release Data

Date of Release:	10/05/2015
Type of Release:	Oil and produced water
Source of Release:	Stress/fatigue-4" trunk line
Volume of Release:	1 bbl oil and 9 bbls produced water
Volume Recovered:	0 bbls

Remediation Specifications								
Remediation Parameters:	Excavate the areas around SP1 and SP2 to a depth of 2 feet and then install a liner in this area. The area around SP3 shall be excavated to a depth of 3 feet. Excavate the areas outside of SP1, SP2, and SP3 to a depth of 1 foot. Backfill the with clean soil.							
Remediation Activities:	04/13/2016 to 04	4/21/2016						
Plan Sent to OCD:	03/14/2016	Email from Cliff Brunson to Jamie Keyes						
OCD Approval of Plan:	03/17/2016	Email from Jamie Keves to Cliff Brunson						

	03/14/2010	Email from Cliff Druhson to Same Reyes
OCD Approval of Plan:	03/17/2016	Email from Jamie Keyes to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation							
Initial C-141	Signed 11/09/2015						
Final C-141	Signed 02/25/2016						
Site Diagram	October 2015						
Groundwater Plot	75'-100'						
TOPO Maps	October 2015						
Lab Summary	11/09/2015 and 12/20/2015						
Lab Analysis	11/09/2015 and 12/20/2015						
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.

04/27/2016

Form C+141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

	Release Notification and Corrective Action												
						OPERA'	TOR			Initia	l Report		Final Report
Name of Co		Oxy Permia				and the second se	usty Wilson			<u>-</u> -			
Address (Facility Nar		ive, Midland h Mattix Ye				Telephone N		-5771					
racinty Nat	ne Souti	n Matrix 10	so Satem	116	!	гасниу тур	e Satellite						
Surface Ow	ner Doo	m		Mineral C	wner				AP	I No.	30-025-	21307	
				LOCA	TIOI	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/V	Vest L	ine	County		
0	15	24S	37E								Lea Count	y, NM	
			I	.atitude <u>N 32.2</u>	1246°	Longitu	de <u>W 103.1496</u>	7_*					
						OF RELI							
Type of Rele	ase Oil an	nd Produced w	ater		u s	Volume of	Release 1 bbl oi	il,	Volu	me Ro	ecovered	0 bbls	······································
Source of Rel	lease Stre	ss/fatigue of a	4" fiberg	lass production tr	unk	9 bbls prod Date and H 10/05/2015	our of Occurrenc	e	Date	and F	lour of Dis	covery	Sigt #1:47:44 #1:44 artist artist art your success and
Was Immedia	ite Notice G		Yes 🕅	No 🔲 Not Re	auired	If YES, To	contract of the second s	MOCD			*****		******
By Whom?	Kathy @ Bl				A	Date and T				tipe zwyznaczani		en de la companya de	
Was a Watero		hed?		342559797979797979797979797979797979797979	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		lume Impacting t		rcours	SC.			
		L	Yes 🛛	No									
Describe Cau	se of Proble	m and Remed	ial Action	a Taken,*	the address service and		nd-2003-0001000000000000000000000000000000	tion and the second	capage of an and a second	64 <i>011</i> 000000000		digginger FAMMarket com	
Stress/fatigue and the line w			tion trunk	line caused 1 bbl	of oil a	nd 9 bbls of p	roduced water to	leak ont	o the	groun	d. No fluid	s were	recovered
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*		**********	*******		den service a service de la	anna 1929 Calena	1998-1999 AL ALL BLACK AND ALL ALL	tioe commencement (NDSpP	1076/11/8/00/11/11/11/00/000000000000000000
The affected a remediation p				location on the r	oad and	in the pasture	Remediation w	ill be ca	mplet	ed in i	accordance	with th	C
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.													
						OIL CONS	SERV.	ATI	<u>I NC</u>	DIVISIO	N		
Signature: Appr					Approved by Environmental Specialist:								
Printed Name: Dusly Wilson						94752999445846+2119305-2119-200-200-200-200-200-200-200-200-200-20							
Title: Envir	onmental A	dvisor				Approval Date		l E	xpira	ion D I	ate:	*****	a
E-mail Addre	ss: Dusty		.com	#2029##################################	C	Conditions of	Approvai:				Attached		
Date: 11-9-15 Phone: (432) 685-5771				11									

* Attach Additional Sheets If Necessary

State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised August 8, 2011

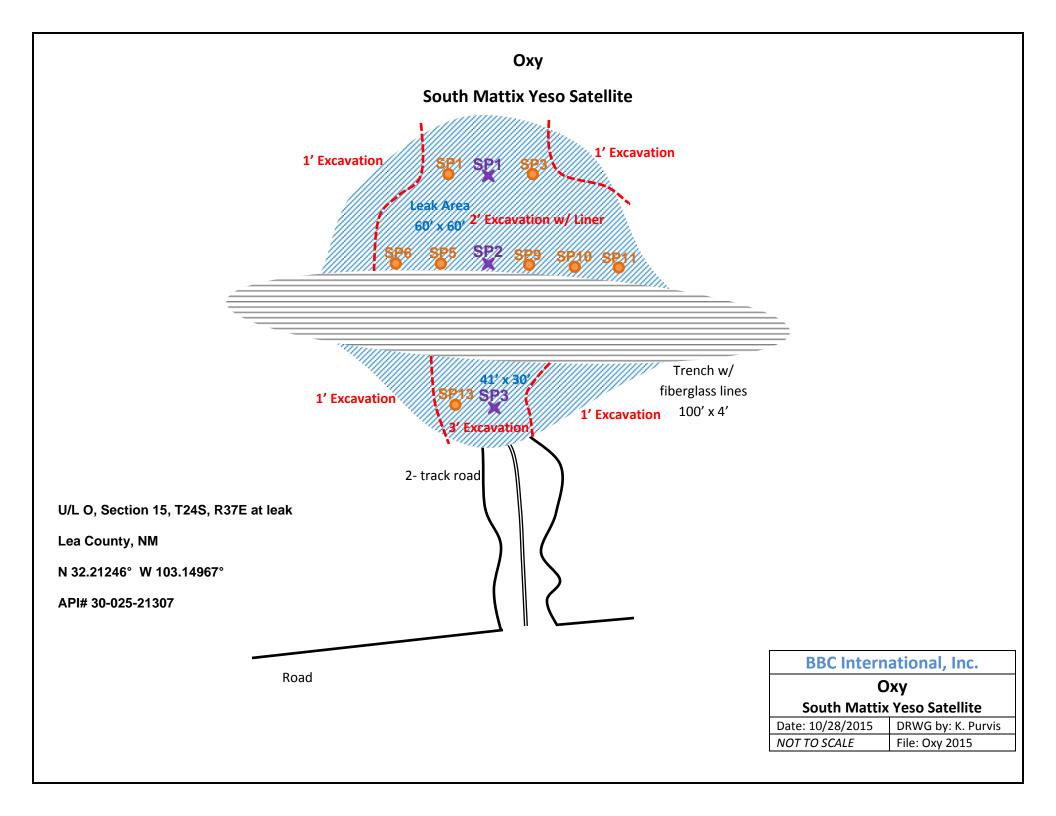
Oil Conservation Division 1000 Sauch St. E.

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

District IV1220 South St. Francis Dr., Santa Fe, NM 875051220 South St. Francis Dr.Santa Fe, NM 87505Santa Fe, NM 87505											
Release Notification and Corrective Action											
OPERATOR Initial Report S Final Report											
Name of Co		Oxy Permia		105			Casey Summers	0000			
Address 6 Facility Nar		ive, Midland h Mattix Ye	,			Telephone I Facility Typ		-8289			
							- Baterine	Lintat	00.005		
Surface Ow	ner Doo	m		Mineral C	Jwner			API N	o. 30-025-	21307	
						OF RE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County		
0	15	245	37E						Lea Coun	ty, NM	
			1	Latitude <u>N 32.2</u>	1246°	Longitu	de <u>W_103.1496</u>	7°			
				NAT	URE	OF REL	EASE				
Type of Rele	ase Oil a	nd Produced v	vater		URE		Release 1 bbl oi	il, Volume	Recovered	0 bbls	
Course of Da	Lawara Davis		- 412 Ch			+	luced water		11 (D)		
Source of Re line	lease Stre	ess/ratigue of	a 4" iiderg	lass production to	пик	Date and F	lour of Occurrenc 5	e Date and	Hour of Dis	covery	
Was Immedia	ate Notice C		Yes 🗵	No. 🗖 Not B		If YES, To		MOCD			
Du Whom?	Value Q D	BC Internatio		No 🗌 Not Re	equired	Date and T	es, Jamie Keyes-N				
Was a Water			nar me.				ime 10/19/201				
			Yes 🛛	No			1				
If a Watercou	irse was im	pacteu, Descr	ibe rully.	•							
Describe Cau	se of Proble	em and Reme	dial Actio	n Taken.*							
Stress/fatigue and the line v			ction trunk	line caused 1 bb	l of oil a	nd 9 bbls of _l	produced water to	leak onto the grou	ind. No flui	ds were	recovered
Describe Are	a Affected a	and Cleanup /	Action Tal	.en.*							
				T location on the r email on 03/17/20		in the pastur	e. Remediation w	vas completed in a	ccordance w	ith the	remediation
regulations al public health should their o or the environ	ll operators or the envir operations h nment. In a	are required t ronment. The ave failed to a	o report an acceptance dequately CD accept	nd/or file certain r ce of a C-141 report investigate and r	elease no ort by the emediate	otifications a NMOCD m contamination	nd perform correc arked as "Final R on that pose a thr	nderstand that pur tive actions for re eport" does not re eat to ground wate responsibility for o	eases which ieve the ope r, surface wa	may en rator of ater, hu	idanger liability man health
OIL CONSERVATION DIVISION											
Signature: Manufly Approved by Environmental Specialist:											
Printed Name Title: NM		Summers				Approval Da	04/27/2016 te:	Expiration	Date: ///		
E-mail Addre	ess: Case	y_Summers@	oxy.com			Conditions of Approval: Attached			_		
Date: 4 -25 - 16 Phone: (575) 513-8289 /// 1RP 3974											

* Attach Additional Sheets If Necessary

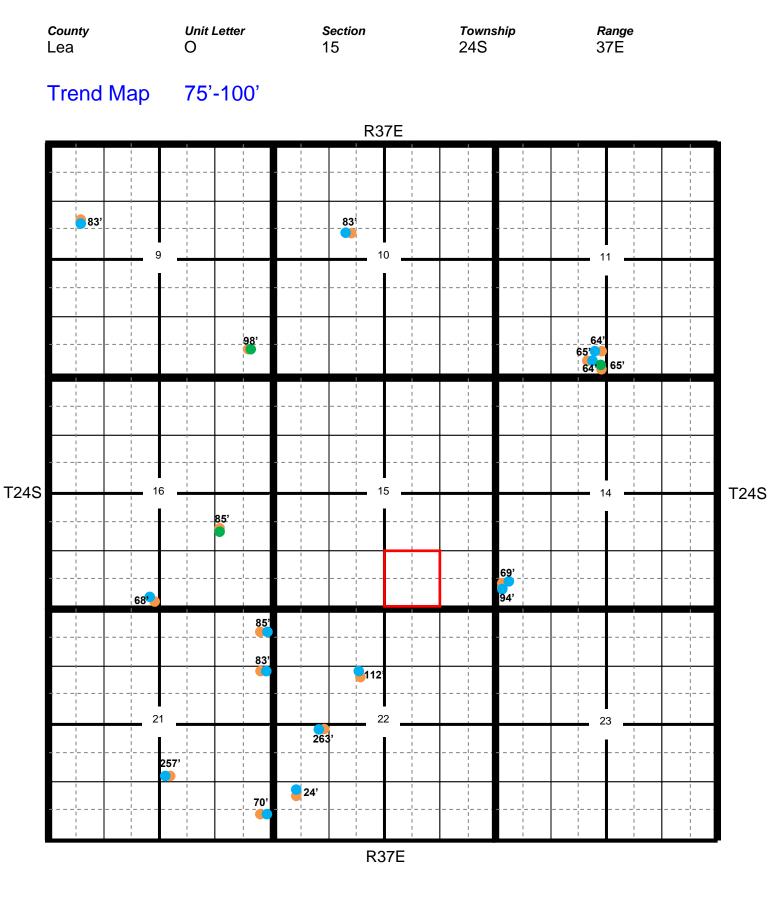
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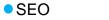


Groundwater Plot

Oxy South Mattix Yeso Satellite



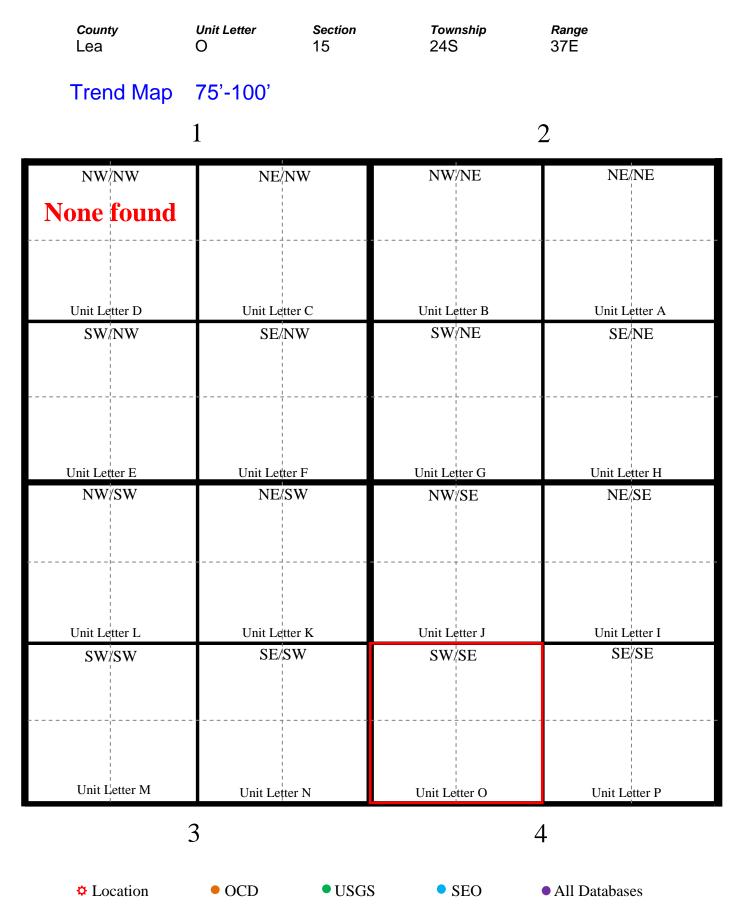






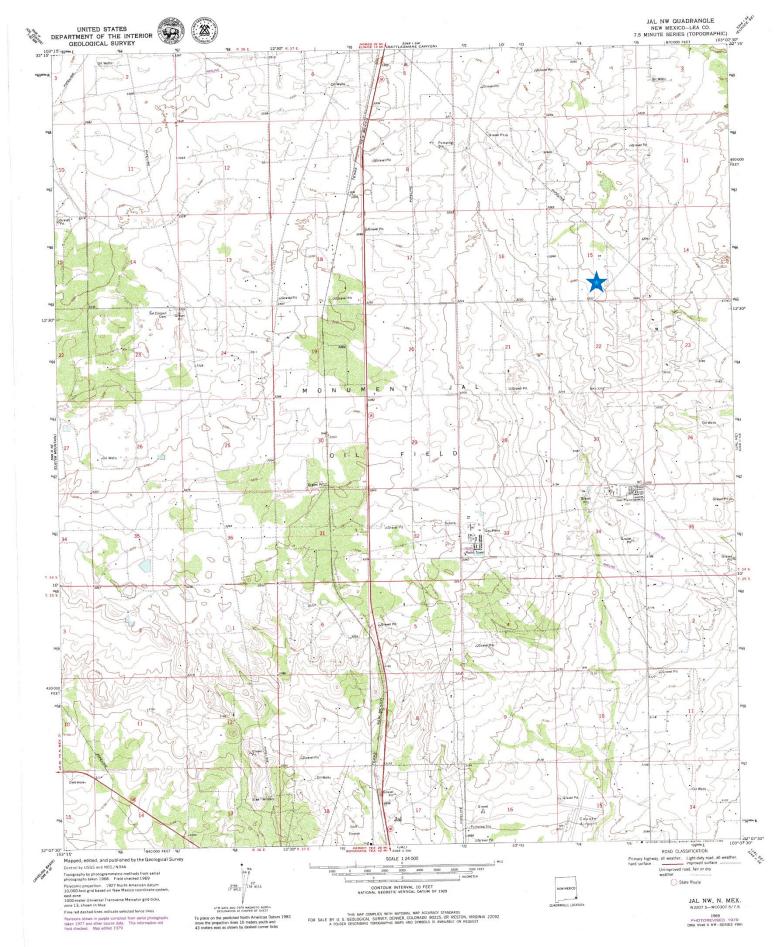
Section Quarters

Oxy South Mattix Yeso Satellite



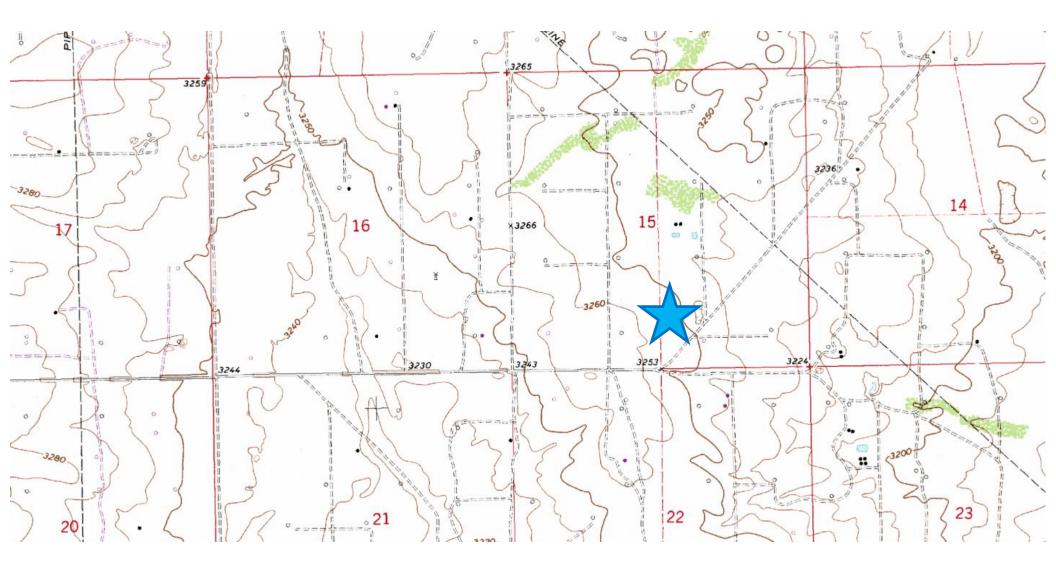
Оху

South Mattix Yeso Satellite



Оху

South Mattix Yeso Satellite



Laboratory Analytical Results Summary South Mattix Yeso Satellite

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 8'
Analyte	Method	Date	11/9/15	11/20/15	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	< 0.050	<0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		0.611	<0.050	<0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		1.31	<0.050	< 0.050	< 0.050	<0.050
Total Xylenes	BTEX 8021B		6.22	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		8.15	<0.300	<0.300	< 0.300	<0.300
Chloride	SM4500CI-B		304	2720	1960	384	<16.0
GRO	TPH 8015M		572	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		8550	31.2	<10.0	43.9	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 8'
Analyte	Method	Date	11/9/15	11/20/15	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		0.594	<0.050	<0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		1.18	<0.050	<0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		3.85	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		5.63	<0.300	<0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		336	2560	2520	160	48
GRO	TPH 8015M		602	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		7870	22.3	40.6	24.7	<10.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	11/9/15	11/20/15	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		0.614	<0.050	<0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		1.24	<0.050	<0.050	<0.050	< 0.050
Total Xylenes	BTEX 8021B		2.64	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		4.49	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		304	2640	464	272	<16.0
GRO	TPH 8015M		479	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		7090	24.7	<10.0	34.2	<10.0



November 17, 2015

Cliff Brunson BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOUTH MATTIX YESO SAT.

Enclosed are the results of analyses for samples received by the laboratory on 11/11/15 16:10.

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)

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. 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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/17/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H502998-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	0.611	0.500	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	1.31	0.500	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	6.22	1.50	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	8.15	3.00	11/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/13/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	572	100	11/14/2015	ND	195	97.6	200	1.32	
DRO >C10-C28	8550	100	11/14/2015	ND	195	97.7	200	1.13	
Surrogate: 1-Chlorooctane	122 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	225 9	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

Celez 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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/17/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H502998-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	0.594	0.500	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	1.18	0.500	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	3.85	1.50	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	5.63	3.00	11/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/13/2015	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	602	100	11/14/2015	ND	195	97.6	200	1.32	
DRO >C10-C28	7870	100	11/14/2015	ND	195	97.7	200	1.13	
Surrogate: 1-Chlorooctane	121	% 35-147	7						
Surrogate: 1-Chlorooctadecane	216	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

Celez 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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/17/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H502998-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	0.614	0.500	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	1.24	0.500	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	2.64	1.50	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	4.49	3.00	11/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 73.6-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/13/2015	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	479	100	11/14/2015	ND	195	97.6	200	1.32	
DRO >C10-C28	7090	100	11/14/2015	ND	195	97.7	200	1.13	
Surrogate: 1-Chlorooctane	112	% 35-147							
Surrogate: 1-Chlorooctadecane	204	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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.
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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquished By:	service. In no event shall Cardin affiliates or successors arising ou Relinguished By:	PLEASE NOTE: Liability and Da analyses. All claims including the		Ņ	a	I War In	thoopp	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #: 575-397-6388	city: Hobbs	Address: P.O. Box	Project Manager: C	Company Name: BI	(505	ARDI
rered By: (Circle One) ler - UPS - Bus - Other: 454 . 80	Mydez Timey, J Date: Time:	Sardinal be liable for incidental or consequental gamages, ing out of or related to the performance of services hereum Y: Date://	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever including whote limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries,		1361	\$1201	1 01 4		Sample I.D.		Rosen HEnnande		South Martix	Project Owner:	Fax #:	State: NM	Box 805	Cliff Brunson	BBC International, Inc.	(505) 393-2326 FAX (505) 393-2476	101 East Marland, Hobbs, NM 88240
Sample Condition	Beceived By:	der by Cardinal, regardless of whether such claim is	dy for any claim arising whether based in contract shall be deemed waived unless made in writing and netwing without limitation, business interruptions, lo		· ·			# CON GROU WAST SOIL OIL SLUD	and the second se	P. MATRIX		1	lero Sat.	NAO NAO	575-397-0397 A	Zip: 88241	0	P	1	476	IS 10240
on CHECKED BY:	WCUL	s based upon any of the above stated reasons of Pho	in contract or tort, shall be limited to the amount paid by the client for the writing and received by Cardinal within 30 days after completion of the ai srruptions, loss of use, or loss of profils incurred by client, its subsidiaries.		11-01-010	1109.15 42			BASE: COOL	PRESERV. SAMPLING	1	Phone #:	State: Zip:	City:	Address:	Attn: CT SUMMUN	Company: UXY	P.O. #:	BIFF LO		
		Phone Result: Yes No	client for the applicable subsidiaries,						<u>TPH</u> BTE CHLU	X		E					2				
		Add'l Phone #: Add'l Fax #:																	- 1	ANALYSIS REQUEST	
																			_		1 est

Page 6 of 6



December 02, 2015

Cliff Brunson BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOUTH MATTIX YESO SAT.

Enclosed are the results of analyses for samples received by the laboratory on 11/25/15 10:37.

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)

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. 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 3' (H503118-01)

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	12/01/2015	ND	416	104	400	0.00	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	31.2	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	94.1	% 35-147							

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Celez 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 5' (H503118-02)

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	12/01/2015	ND	416	104	400	0.00	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	99.9	% 35-147							
Surrogate: 1-Chlorooctadecane	107 9	6 28-171							

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*=Accredited Analyte

Celez 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 7' (H503118-03)

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/01/2015	ND	416	104	400	0.00	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	43.9	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	101 9	6 35-147							
Surrogate: 1-Chlorooctadecane	112 %	6 28-171							

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Celez 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 8' (H503118-04)

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 73.6-14	0						
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	12/01/2015	ND	400	100	400	11.3	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	95.2 9	% 35-147							
Surrogate: 1-Chlorooctadecane	101 %	6 28-171							

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Celez 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 3' (H503118-05)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	12/01/2015	ND	400	100	400	11.3	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	22.3	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	97.1	% 35-147							
Surrogate: 1-Chlorooctadecane	105 9	28-171							

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Celez 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 5' (H503118-06)

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	12/01/2015	ND	400	100	400	11.3	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	40.6	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	94.2	% 35-147							
Surrogate: 1-Chlorooctadecane	105 9	6 28-171							

Cardinal Laboratories

*=Accredited Analyte

Celeg 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 7' (H503118-07)

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/01/2015	ND	400	100	400	11.3	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	24.7	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	86.9 9	35-147							
Surrogate: 1-Chlorooctadecane	94.5 %	28-171							

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Celeg 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/02/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 8' (H503118-08)

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 73.6-14	0						
Chloride, SM4500Cl-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	12/01/2015	ND	400	100	400	11.3	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	85.1 9	% 35-147							
Surrogate: 1-Chlorooctadecane	91.19	28-171							

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Celez 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 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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

(505) 393-2326 FAX (505) 393-2476		ANALYSIS REQUEST
Company Name: BBC International, Inc.	BILL IU	
Project Manager: Cliff Brunson	P.O. #	
Address: P.O. Box 805	Company:	
bbs	: 88241 Attn:	
Phone #: 575-397-6388 Fax #: 575-397-0397	7-0397 Address:	
Project #: Project Owner: Oxy	xy City:	
ame:	State: Zip:	
Project location: South Mattix Veso Sotellite	te Phone #:	
Roger Hernandez	Fax #:	
Sampler Nallie. Trogor Formation	MATRIX PRESERV SAMPLING	6
Lab I.D. Sample I.D.	ONTAINERS OUNDWATER IL UDGE HER : ID/BASE: E / COOL HER :	TPH BTEX Chloride
SP1@3'		~ ~
	/ / 11-20-15	< <
	/ / 11-20-15	< <
4 SP1 @ 8'	/ / 11-20-15	< < <
		< <
6 SP2 @ 5'	/ /	V V
	/ / / 11-20-15	< < <
	/ / / 11-20-15	
		hutha Alizof for the
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any client raising whether based in contract or tod, shall be limited to the annount year on your control or the applicable analyses. All claims including those for negligence and any other cause whatoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after complexity of the applicable analyses. All claims including those for negligence and any other cause whatoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after complexity of the applicable analyses. All claims including those for negligence and any other cause whatoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after cause whatoever shall be deemed waived unless made in writing and received by Cardinal writing of the applicable deemeds. Including writing the days and the applicable deemeds in the applicable deemeds in the days and the applicable deemeds in the days and the da	aim arising whether based in contract or tort, shall be limited to the amount pr ned waived unless made in writing and received by Cardinal within 30 days aft tout limitation, business interruptions, loss of use, or loss of profits incurred by	tays after completion of the applicable area of the completion of the applicable area by client, its subsidiaries,
Relinguished By: Relinguished By: Time?, 10,400 Trialed to the performance of services hereunder by Cardin Date: 12,575 R Time?, 10,400	Inal regardless of whether such claim is based upon any of the above states Received By:	Phone Result: Yes No Add'I Phone #: Fax Result: Yes No Add'I Fax #: REMARKS:
	- 1	
	R	
Dates/15.15 Times/0.37/4/		
Circle One)	O Sample Condition CHECKED B1.	

† Cardinal cannot accept ver

tax written changes

Page 11 of 11



December 03, 2015

Cliff Brunson BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOUTH MATTIX YESO SAT.

Enclosed are the results of analyses for samples received by the laboratory on 11/25/15 10:36.

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)

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. 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/03/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP3 @ 3' (H503119-01)

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	12/02/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/02/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/01/2015	ND	400	100	400	11.3	
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	12/01/2015	ND	194	97.2	200	0.907	
	<10.0	10.0							
DRO >C10-C28	<10.0 24.7	10.0	12/01/2015	ND	193	96.6	200	2.84	
		10.0	12/01/2015						

Cardinal Laboratories

*=Accredited Analyte

Celez 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/03/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP3 @ 4' (H503119-02)

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	12/02/2015	ND	1.97	98.6	2.00	2.58	
Toluene*	<0.050	0.050	12/02/2015	ND	1.97	98.5	2.00	2.40	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.01	101	2.00	2.90	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	5.97	99.5	6.00	3.01	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	12/01/2015	ND	400	100	400	11.3	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	98.0	% 35-147							
Surrogate: 1-Chlorooctadecane	104 9	28-171							

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Celez 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/03/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP3 @ 5' (H503119-03)

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	12/02/2015	ND	1.97	98.6	2.00	2.58	
Toluene*	<0.050	0.050	12/02/2015	ND	1.97	98.5	2.00	2.40	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.01	101	2.00	2.90	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	5.97	99.5	6.00	3.01	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/01/2015	ND	400	100	400	11.3	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	34.2	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	88.0 9	35-147							
Surrogate: 1-Chlorooctadecane	98.5	28-171							

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Celez 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:	11/25/2015	Sampling Date:	11/20/2015
Reported:	12/03/2015	Sampling Type:	Soil
Project Name:	SOUTH MATTIX YESO SAT.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP3 @ 6' (H503119-04)

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	12/02/2015	ND	1.97	98.6	2.00	2.58	
Toluene*	<0.050	0.050	12/02/2015	ND	1.97	98.5	2.00	2.40	
Ethylbenzene*	<0.050	0.050	12/02/2015	ND	2.01	101	2.00	2.90	
Total Xylenes*	<0.150	0.150	12/02/2015	ND	5.97	99.5	6.00	3.01	
Total BTEX	<0.300	0.300	12/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 73.6-14	0						
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	12/01/2015	ND	416	104	400	0.00	
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	12/01/2015	ND	194	97.2	200	0.907	
DRO >C10-C28	<10.0	10.0	12/01/2015	ND	193	96.6	200	2.84	
Surrogate: 1-Chlorooctane	92.4 9	% 35-147							
Surrogate: 1-Chlorooctadecane	100 %	6 28-171							

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Celez 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 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

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 7

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Tartices hereunder by Cardinal, regardless of whether such claim is based	Fax Res	Result: □ Yes □ No sult: □ Yes □ No 3KS:	Add'l Phone #: Add'l Fax #:
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Kathy Purvis

From:	Cliff Brunson < cbrunson@bbcinternational.com>
Sent:	Monday, March 21, 2016 3:36 PM
То:	Jennifer Gilkey; Ken Swinney; Kathy Purvis; Casey Summers; Dusty Wilson;
	Jennifer_Duarte@oxy.com
Subject:	FW: OXY-South Mattix Yeso Satellite-Remediation Plan

FYI

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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From: Keyes, Jamie, EMNRD [mailto:Jamie.Keyes@state.nm.us]
Sent: Thursday, March 17, 2016 9:46 AM
To: Cliff Brunson < cbrunson@bbcinternational.com
Subject: RE: OXY-South Mattix Yeso Satellite-Remediation Plan</pre>

Good morning,

The work plan is approved as is.

Thank you,

Jamie

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, March 14, 2016 5:54 PM
To: Keyes, Jamie, EMNRD
Cc: Casey Summers; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-South Mattix Yeso Satellite-Remediation Plan

Jamie,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy South Mattix Yeso Satellite release. 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: <u>cbrunson@bbcinternational.com</u>

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