



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

APPROVED NMOCD RP 4417
By Kristen Lynch at 8:03 am, Nov 10, 2016

OXY – SHU SATELLITE 1-C (8/5/16)

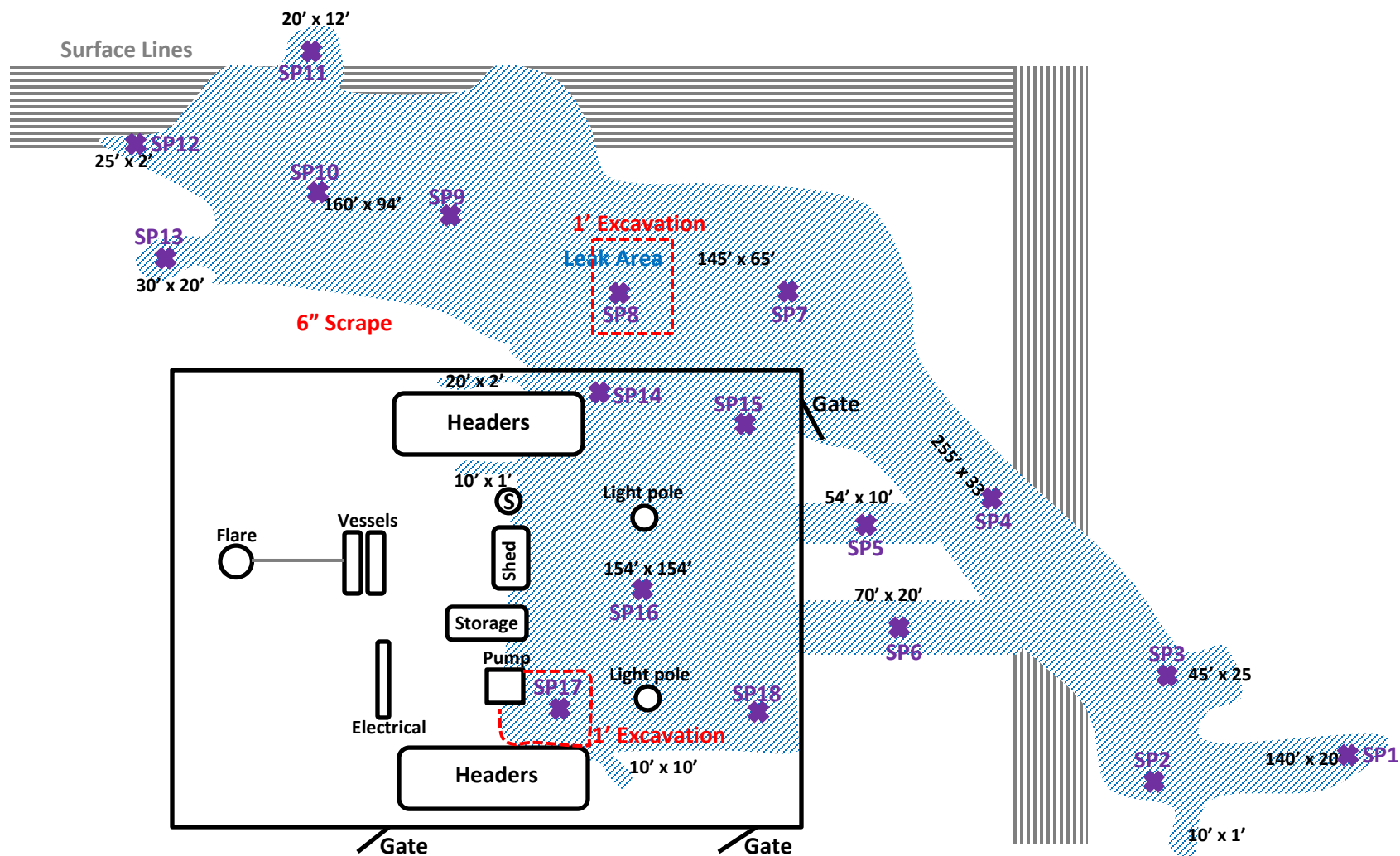
REMEDIATION PLAN

OXY will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 6 inches except in the area near SP8, the excavation will be 1 foot and the in the area near SP17, the excavation will be 1 foot. The entire site will then be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy
SHU Satellite 1-C (8/5/16)



U/L J, Section 5, T19S, R38E

Lea County, NM

N 32.68644° W 103.16770°

API# 30-025-07621

BBC International, Inc.

Oxy
SHU Satellite 1-C

Date: 08/11/2016

DRWG by: K. Purvis

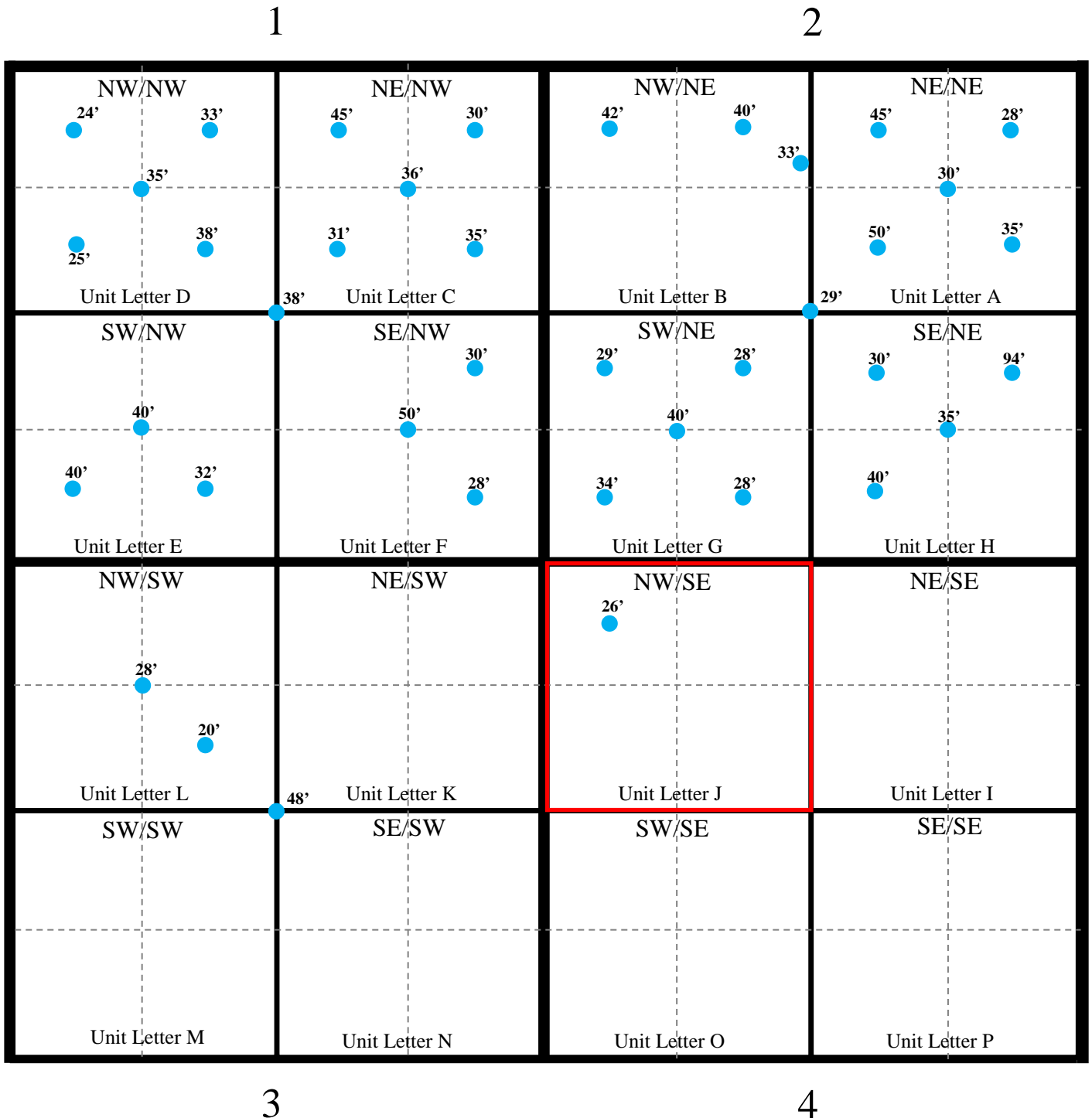
NOT TO SCALE

File: OxyWasson'16

Oxy SHU Satellite 1-C

County: Lea Unit Letter: J Section: 5 Township: 19S Range: 38E

Trend Map <50'



Laboratory Analytical Results Summary
SHU Satellite #1-C

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	8/19/16	8/19/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		2200	112
GRO	TPH 8015M		47.9	<10.0
DRO	TPH 8015M		3290	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	8/19/16	8/19/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		2000	96
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	8/19/16	8/19/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		192	80
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	8/22/16	8/22/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		464	80
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		320	<10.0

		Sample	SP5 @ SURFACE	SP5 @ 1'
Analyte	Method	Date	8/22/16	8/22/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		464	96
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP6 @ SURFACE	SP6 @ 1'
Analyte	Method	Date	8/22/16	8/22/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		352	176
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP7 @ SURFACE	SP7 @ 1'
Analyte	Method	Date	8/22/16	8/22/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		912	80
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP8 @ SURFACE	SP8 @ 1'	SP8 @ 1.5'
Analyte	Method	Date	8/22/16	8/22/16	10/4/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		928	832	128
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		26.1	<10.0	n/a

		Sample	SP9 @ SURFACE	SP9 @ 1'
Analyte	Method	Date	8/22/16	8/22/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		832	64
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP10 @ SURFACE	SP10 @ 1'	SP10 @ 1.5'
Analyte	Method	Date	8/23/16	8/23/16	8/23/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		656	112	96
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		105	<10.0	n/a

		Sample	SP11 @ SURFACE	SP11 @ 1'
Analyte	Method	Date	8/23/16	8/23/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		656	176
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP12 @ SURFACE	SP12 @ 1'
Analyte	Method	Date	8/23/16	8/23/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		368	48
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

Laboratory Analytical Results Summary
SHU Satellite #1-C

		Sample	SP13 @ SURFACE	SP13 @ 1'
Analyte	Method	Date	8/23/16	8/23/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		1330	<16.0
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP17 @ SURFACE	SP17 @ 1'	SP17 @ 1.5'
Analyte	Method	Date	8/23/16	8/23/16	10/4/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a
Chloride	SM4500Cl-B		944	672	96
GRO	TPH 8015M		n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a

		Sample	SP14 @ SURFACE	SP14 @ 1'
Analyte	Method	Date	8/23/16	8/23/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		848	48
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		10900	56.6

		Sample	SP18 @ SURFACE	SP18 @ 1'
Analyte	Method	Date	8/23/16	8/23/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		1720	80
GRO	TPH 8015M		34.5	<10.0
DRO	TPH 8015M		1370	<10.0

		Sample	SP15 @ SURFACE	SP15 @ 1'
Analyte	Method	Date	8/23/16	8/23/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		688	128
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP16 @ SURFACE	SP16 @ 1'
Analyte	Method	Date	8/23/16	8/23/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500Cl-B		880	128
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 02, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHU SATELLITE #1 - C

Enclosed are the results of analyses for samples received by the laboratory on 08/24/16 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/19/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 1 @ SURFACE (H601911-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2016	ND	2.30	115	2.00	2.94	
Toluene*	<0.050	0.050	08/29/2016	ND	2.35	117	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/29/2016	ND	2.25	113	2.00	3.13	
Total Xylenes*	<0.150	0.150	08/29/2016	ND	6.83	114	6.00	2.99	
Total BTX	<0.300	0.300	08/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	08/29/2016	ND	400	100	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	47.9	10.0	08/25/2016	ND	195	97.5	200	0.460		
DRO >C10-C28	3290	10.0	08/25/2016	ND	210	105	200	1.75		

Surrogate: 1-Chlorooctane 86.9 % 35-147

Surrogate: 1-Chlorooctadecane 193 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/19/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 1 @ 1' (H601911-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2016	ND	2.21	110	2.00	4.73	
Toluene*	<0.050	0.050	08/31/2016	ND	2.24	112	2.00	5.31	
Ethylbenzene*	<0.050	0.050	08/31/2016	ND	2.14	107	2.00	5.45	
Total Xylenes*	<0.150	0.150	08/31/2016	ND	6.49	108	6.00	5.56	
Total BTEX	<0.300	0.300	08/31/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/29/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/31/2016	ND	204	102	200	2.98	
DRO >C10-C28	<10.0	10.0	08/31/2016	ND	205	102	200	3.38	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 96.8 % 28-171

Sample ID: SP 2 @ SURFACE (H601911-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	08/29/2016	ND	400	100	400	0.00	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/19/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 2 @ 1' (H601911-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/29/2016	ND	400	100	400	0.00	

Sample ID: SP 3 @ SURFACE (H601911-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/29/2016	ND	400	100	400	0.00	

Sample ID: SP 3 @ 1' (H601911-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/29/2016	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/22/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 4 @ SURFACE (H601911-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2016	ND	2.30	115	2.00	2.94	
Toluene*	<0.050	0.050	08/29/2016	ND	2.35	117	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/29/2016	ND	2.25	113	2.00	3.13	
Total Xylenes*	<0.150	0.150	08/29/2016	ND	6.83	114	6.00	2.99	
Total BTEx	<0.300	0.300	08/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/29/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/25/2016	ND	195	97.5	200	0.460	
DRO >C10-C28	320	10.0	08/25/2016	ND	210	105	200	1.75	

Surrogate: 1-Chlorooctane 92.9 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/22/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 4 @ 1' (H601911-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2016	ND	2.21	110	2.00	4.73	
Toluene*	<0.050	0.050	08/31/2016	ND	2.24	112	2.00	5.31	
Ethylbenzene*	<0.050	0.050	08/31/2016	ND	2.14	107	2.00	5.45	
Total Xylenes*	<0.150	0.150	08/31/2016	ND	6.49	108	6.00	5.56	
Total BTEX	<0.300	0.300	08/31/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/29/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/31/2016	ND	204	102	200	2.98	
DRO >C10-C28	<10.0	10.0	08/31/2016	ND	205	102	200	3.38	

Surrogate: 1-Chlorooctane 94.6 % 35-147

Surrogate: 1-Chlorooctadecane 98.0 % 28-171

Sample ID: SP 5 @ SURFACE (H601911-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/29/2016	ND	400	100	400	0.00	

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BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/22/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 5 @ 1' (H601911-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/29/2016	ND	400	100	400	0.00	

Sample ID: SP 6 @ SURFACE (H601911-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/29/2016	ND	400	100	400	0.00	

Sample ID: SP 6 @ 1' (H601911-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/29/2016	ND	400	100	400	0.00		

Sample ID: SP 7 @ SURFACE (H601911-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	08/29/2016	ND	400	100	400	0.00	

Sample ID: SP 7 @ 1' (H601911-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/29/2016	ND	400	100	400	0.00	

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Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/22/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 8 @ SURFACE (H601911-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2016	ND	2.30	115	2.00	2.94	
Toluene*	<0.050	0.050	08/29/2016	ND	2.35	117	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/29/2016	ND	2.25	113	2.00	3.13	
Total Xylenes*	<0.150	0.150	08/29/2016	ND	6.83	114	6.00	2.99	
Total BTEx	<0.300	0.300	08/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/29/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/25/2016	ND	195	97.5	200	0.460	
DRO >C10-C28	26.1	10.0	08/25/2016	ND	210	105	200	1.75	

Surrogate: 1-Chlorooctane 88.2 % 35-147

Surrogate: 1-Chlorooctadecane 98.7 % 28-171

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Received:	08/24/2016	Sampling Date:	08/22/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 8 @ 1' (H601911-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2016	ND	2.30	115	2.00	2.94	
Toluene*	<0.050	0.050	08/29/2016	ND	2.35	117	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/29/2016	ND	2.25	113	2.00	3.13	
Total Xylenes*	<0.150	0.150	08/29/2016	ND	6.83	114	6.00	2.99	
Total BTEX	<0.300	0.300	08/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/29/2016	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/25/2016	ND	182	90.9	200	1.78	
DRO >C10-C28	<10.0	10.0	08/25/2016	ND	195	97.5	200	1.41	

Surrogate: 1-Chlorooctane 79.0 % 35-147

Surrogate: 1-Chlorooctadecane 97.3 % 28-171

Sample ID: SP 9 @ SURFACE (H601911-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/29/2016	ND	400	100	400	0.00	

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Received:	08/24/2016	Sampling Date:	08/22/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 9 @ 1' (H601911-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/29/2016	ND	400	100	400	0.00	

Sample ID: SP 10 @ SURFACE (H601911-19)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2016	ND	2.30	115	2.00	2.94		
Toluene*	<0.050	0.050	08/29/2016	ND	2.35	117	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/29/2016	ND	2.25	113	2.00	3.13		
Total Xylenes*	<0.150	0.150	08/29/2016	ND	6.83	114	6.00	2.99		
Total BTEX	<0.300	0.300	08/29/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/29/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/25/2016	ND	182	90.9	200	1.78	
DRO >C10-C28	105	10.0	08/25/2016	ND	195	97.5	200	1.41	

Surrogate: 1-Chlorooctane 66.5 % 35-147

Surrogate: 1-Chlorooctadecane 85.6 % 28-171

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BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/23/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 10 @ 1' (H601911-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2016	ND	2.30	115	2.00	2.94	
Toluene*	<0.050	0.050	08/29/2016	ND	2.35	117	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/29/2016	ND	2.25	113	2.00	3.13	
Total Xylenes*	<0.150	0.150	08/29/2016	ND	6.83	114	6.00	2.99	
Total BTEx	<0.300	0.300	08/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/30/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/25/2016	ND	182	90.9	200	1.78	
DRO >C10-C28	<10.0	10.0	08/25/2016	ND	195	97.5	200	1.41	

Surrogate: 1-Chlorooctane 80.9 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

Sample ID: SP 10 @ 1.5' (H601911-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/30/2016	ND	416	104	400	3.92	

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Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/23/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 11 @ SURFACE (H601911-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/30/2016	ND	416	104	400	3.92	

Sample ID: SP 11 @ 1' (H601911-23)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/30/2016	ND	416	104	400	3.92	

Sample ID: SP 12 @ SURFACE (H601911-24)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/30/2016	ND	416	104	400	3.92		

Sample ID: SP 12 @ 1' (H601911-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/30/2016	ND	416	104	400	3.92	

Sample ID: SP 13 @ SURFACE (H601911-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	08/30/2016	ND	416	104	400	3.92	

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Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/23/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 13 @ 1' (H601911-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2016	ND	416	104	400	3.92		

Sample ID: SP 14 @ SURFACE (H601911-28)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2016	ND	2.30	115	2.00	2.94	
Toluene*	<0.050	0.050	08/29/2016	ND	2.35	117	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/29/2016	ND	2.25	113	2.00	3.13	
Total Xylenes*	<0.150	0.150	08/29/2016	ND	6.83	114	6.00	2.99	
Total BTX	<0.300	0.300	08/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	08/30/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	08/26/2016	ND	182	90.9	200	1.78	
DRO >C10-C28	10900	100	08/26/2016	ND	195	97.5	200	1.41	

Surrogate: 1-Chlorooctane 89.9 % 35-147

Surrogate: 1-Chlorooctadecane 309 % 28-171

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/23/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 14 @ 1' (H601911-29)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2016	ND	2.30	115	2.00	2.94	
Toluene*	<0.050	0.050	08/29/2016	ND	2.35	117	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/29/2016	ND	2.25	113	2.00	3.13	
Total Xylenes*	<0.150	0.150	08/29/2016	ND	6.83	114	6.00	2.99	
Total BTEx	<0.300	0.300	08/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/30/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2016	ND	182	90.9	200	1.78	
DRO >C10-C28	56.6	10.0	08/26/2016	ND	195	97.5	200	1.41	

Surrogate: 1-Chlorooctane 91.7 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Sample ID: SP 15 @ SURFACE (H601911-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/30/2016	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/23/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 15 @ 1' (H601911-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/30/2016	ND	416	104	400	3.92	

Sample ID: SP 16 @ SURFACE (H601911-32)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/30/2016	ND	416	104	400	3.92	

Sample ID: SP 16 @ 1' (H601911-33)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/30/2016	ND	416	104	400	3.92	

Sample ID: SP 17 @ SURFACE (H601911-34)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	08/30/2016	ND	416	104	400	3.92	

Sample ID: SP 17 @ 1' (H601911-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/30/2016	ND	416	104	400	3.92	

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/23/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 18 @ SURFACE (H601911-36)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2016	ND	2.21	110	2.00	4.73	
Toluene*	<0.050	0.050	08/31/2016	ND	2.24	112	2.00	5.31	
Ethylbenzene*	<0.050	0.050	08/31/2016	ND	2.14	107	2.00	5.45	
Total Xylenes*	<0.150	0.150	08/31/2016	ND	6.49	108	6.00	5.56	
Total BTX	<0.300	0.300	08/31/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	08/30/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	34.5	10.0	08/31/2016	ND	204	102	200	2.98	
DRO >C10-C28	1370	10.0	08/31/2016	ND	205	102	200	3.38	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 146 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/24/2016	Sampling Date:	08/23/2016
Reported:	09/02/2016	Sampling Type:	Soil
Project Name:	SHU SATELLITE #1 - C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NM		

Sample ID: SP 18 @ 1' (H601911-37)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2016	ND	2.21	110	2.00	4.73	
Toluene*	<0.050	0.050	08/31/2016	ND	2.24	112	2.00	5.31	
Ethylbenzene*	<0.050	0.050	08/31/2016	ND	2.14	107	2.00	5.45	
Total Xylenes*	<0.150	0.150	08/31/2016	ND	6.49	108	6.00	5.56	
Total BTX	<0.300	0.300	08/31/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/30/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/31/2016	ND	204	102	200	2.98	
DRO >C10-C28	<10.0	10.0	08/31/2016	ND	205	102	200	3.38	

Surrogate: 1-Chlorooctane 86.4 % 35-147

Surrogate: 1-Chlorooctadecane 93.4 % 28-171

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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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location:

Sample Name:

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

11001911

SP605K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

12

SP705K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

13

SP805K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

14

SP905K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

15

SP1005K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

16

SP1105K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

17

SP1205K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

18

SP1305K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

19

SP1405K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

20

SP1505K

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CI-

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Relinquished By:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

Relinquished By:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

Relinquished By:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

CHECKED BY: (Initials)

Phone Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

<



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/9

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		Company:													
Address: P.O. Box 805		Attn: Oxy													
City: Hobbs		Address: Tony													
Phone #: 575-397-6388		City: Ayrick													
Fax #: 575-397-0397		State: Zip:													
Project #:		Project Owner:													
Project Name: ST4-S.L.13K #1-C		State: Zip:													
Project Location: Hobbs		Phone #:													
Sample Name: 10		Fax #:													

FOR LAB USE ONLY		P.O. #:		BILL TO		ANALYSIS REQUEST									
Lab I.D. Sample I.D.		Company:													
H1001911		Attn: Oxy													
21 SP100 1 1/2		Address: Tony													
22 SP110 SUR		City: Ayrick													
23 SP120 SUR		State: Zip:													
24 SP130 SUR		Phone #:													
25 SP140 SUR		Fax #:													
26 SP150 SUR															
27 SP160 SUR															
28 SP170 SUR															
29 SP180 SUR															
30 SP190 SUR															

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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PLEASE NOTE: Liability and Damages: Cardinal Laboratories and its clients' exclusive remedy for any claim arising out of or from this contract or tort, shall be limited to the amount paid by the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]	Date: 8-24-11	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: [Signature]	Date: 8-24-11	Received By: [Signature]	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	488		

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

-2.882 #75

ARDINAL / LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 05, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SATELLITE 1-C

Enclosed are the results of analyses for samples received by the laboratory on 10/04/16 16:23.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 10/04/2016
Reported: 10/05/2016
Project Name: SATELLITE 1-C
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/04/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 8 @ 1.5' (H602228-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/05/2016	ND	400	100	400	0.00	

Sample ID: SP 17 @ 1.5' (H602228-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/05/2016	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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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

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian	Contact	Tony Aguilar
Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	SHU Satellite I-C	Facility Type	Satellite
Surface Owner	Oxy	Mineral Owner	
		API No.	30-025-07621

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	5	19S	38E					Lea County, NM

Latitude N 32.68644° Longitude W 103.16770°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	0.5 bbl oil, 100 bbls of produced water	Volume Recovered	60 bbls
Source of Release	Stress of an injection pump	Date and Hour of Occurrence	08/05/2016	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Kristen Lynch, Jamie Keyes- NMOCD		
By Whom?	Kathy @ BBC International, Inc.	Date and Hour	08/05/2016 @ 3:48 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Stress on an injection pump caused 0.5 bbl of oil and 100 bbls of produced water to leak. A vacuum truck recovered approximately 60 bbls of produced water and the pump was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The area affected is approximately 300' x 500' both on and off location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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 CONSERVATION DIVISION

Signature: 

Printed Name: Tony Aguilar

Title: HES Specialist

E-mail Address: Raymond_aguilar@oxy.com

Date: 8/19/16

Phone: (575) 397-8251

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary