

APPROVED

By OCD District 1 at 2:24 pm, May 21, 2015

Kay

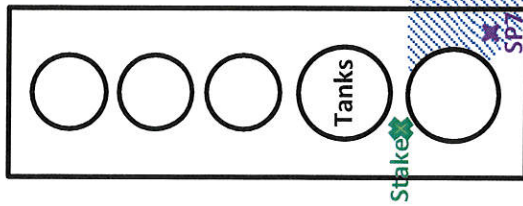
*Proposed 1' excavation
for Rest of spill Area*

*Proposed
2.5' excavation*

RECEIVED

By OCD District 1 at 2:25 pm, May 21, 2015

EnergyQuest
Shahara State Lease Tank Battery



Leak Area

30'

60'

110'

25'

70'

Road

150'

180'

35'

SP1

SP2

SP3

SP4

SP5

SP6

SP7

NW ¼, Section 16, T17S, R33E
Lea County, NM
N 32.83809° W 103.67282°-stake
API# 30-025-34090

BBC International, Inc.

EnergyQuest

Shahara State Lease Tank Battery

Date: 01/09/2015 DRWG by: K. Purvis

NOT TO SCALE

File: EQ 2015



Groundwater Plot

EnergyQuest Shahara State Lease Tank Battery

County
Lea

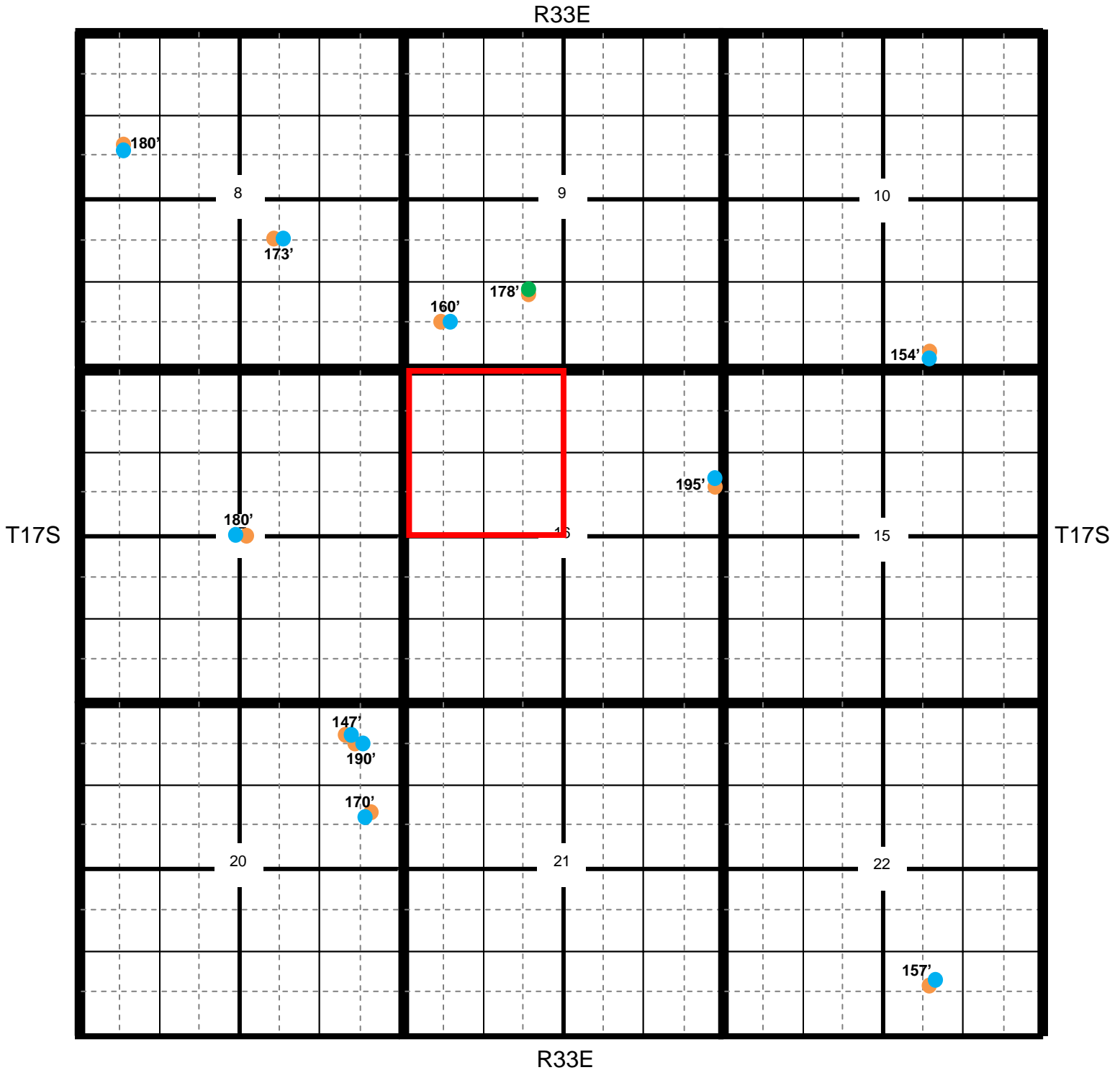
Unit Letter
NW ¼

Section
16

Township
17S

Range
33E

Trend Map 150'-200'



Location

OCD

USGS

SEO

All Databases

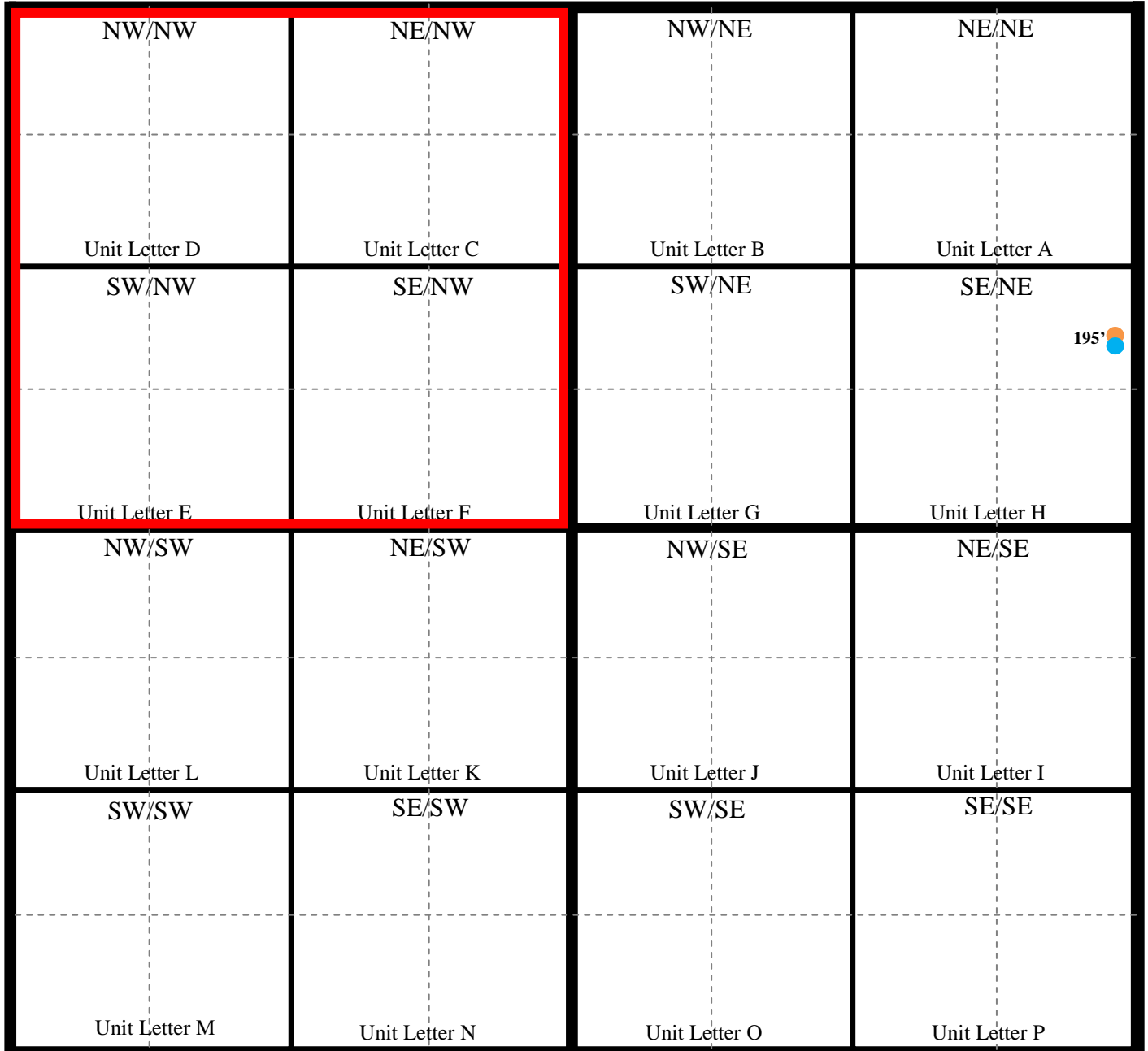
EnergyQuest Shahara State Lease Tank Battery

County Lea **Unit Letter** NW ¼ **Section** 16 **Township** 17S **Range** 33E

Trend Map 150'-200'

1

2



3

4

Laboratory Analytical Results Summary
Shahara State Lease Tank Battery

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	1/16/15	2/18/15	2/18/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<1.00	<0.050
Toluene	BTEX 8021B		0.923	25.6	0.065
Ethylbenzene	BTEX 8021B		2.94	46.5	<0.050
Total Xylenes	BTEX 8021B		5.66	65.5	<0.150
Total BTEX	BTEX 8021B		9.52	138	<0.300
Chloride	SM4500Cl-B		<16.0	n/a	n/a
GRO	TPH 8015M		402	1840	<10.0
DRO	TPH 8015M		5830	8860	30.1

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	1/16/15	2/18/15	2/18/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050
Toluene	BTEX 8021B		1.66	0.231	<0.050
Ethylbenzene	BTEX 8021B		4.8	0.619	<0.050
Total Xylenes	BTEX 8021B		8.64	1.3	<0.150
Total BTEX	BTEX 8021B		15.1	2.15	<0.300
Chloride	SM4500Cl-B		<16.0	n/a	n/a
GRO	TPH 8015M		421	22.4	<10.0
DRO	TPH 8015M		5320	275	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	1/16/15	2/18/15	2/18/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050
Toluene	BTEX 8021B		0.994	0.577	<0.050
Ethylbenzene	BTEX 8021B		3.61	2.48	<0.050
Total Xylenes	BTEX 8021B		6.54	5.25	<0.150
Total BTEX	BTEX 8021B		11.1	8.31	<0.300
Chloride	SM4500Cl-B		<16.0	n/a	n/a
GRO	TPH 8015M		395	200	<10.0
DRO	TPH 8015M		5550	2320	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	1/19/15	2/18/15	2/18/15	2/18/15	2/18/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		12.8	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		157	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		136	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		171	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		477	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32	n/a	n/a	n/a	n/a
GRO	TPH 8015M		3420	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		8870	10.1	32.3	285	28.9

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	1/19/15	2/18/15	2/18/15	2/18/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		12.8	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		153	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		129	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		161	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		457	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		48	n/a	n/a	n/a
GRO	TPH 8015M		3030	<10.0	<10.0	<10.0
DRO	TPH 8015M		7800	12.2	39.3	<10.0

		Sample	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	1/19/15	2/19/15	2/19/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		10.2	<0.200	<0.050
Toluene	BTEX 8021B		127	8.57	<0.050
Ethylbenzene	BTEX 8021B		112	17.1	<0.050
Total Xylenes	BTEX 8021B		142	23.1	<0.150
Total BTEX	BTEX 8021B		392	48.8	<0.300
Chloride	SM4500Cl-B		48	n/a	n/a
GRO	TPH 8015M		2600	477	<10.0
DRO	TPH 8015M		8420	1980	<10.0

		Sample	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'
Analyte	Method	Date	1/19/15	2/19/15	2/19/15	2/19/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		22.4	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		200	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		159	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		199	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		580	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		80	n/a	n/a	n/a
GRO	TPH 8015M		4040	<10.0	<10.0	<10.0
DRO	TPH 8015M		12500	<10.0	<10.0	<10.0



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

January 23, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHAHARA STATE LEASE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/20/15 11:40.

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/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:	01/20/2015	Sampling Date:	01/16/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H500183-01)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/22/2015	ND	1.58	78.8	2.00	14.6	
Toluene*	0.923	0.200	01/22/2015	ND	1.51	75.7	2.00	15.2	
Ethylbenzene*	2.94	0.200	01/22/2015	ND	1.44	72.0	2.00	15.8	
Total Xylenes*	5.66	0.600	01/22/2015	ND	4.34	72.3	6.00	16.4	
Total BTX	9.52	1.20	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/20/2015	ND	400	100	400	0.00	

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	402	50.0	01/21/2015	ND	192	96.0	200	1.13		
DRO >C10-C28	5830	50.0	01/21/2015	ND	200	100	200	3.03		

Surrogate: 1-Chlorooctane 157 % 47.2-157

Surrogate: 1-Chlorooctadecane 195 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	01/20/2015	Sampling Date:	01/16/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H500183-02)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/22/2015	ND	1.58	78.8	2.00	14.6	
Toluene*	1.66	0.200	01/22/2015	ND	1.51	75.7	2.00	15.2	
Ethylbenzene*	4.80	0.200	01/22/2015	ND	1.44	72.0	2.00	15.8	
Total Xylenes*	8.64	0.600	01/22/2015	ND	4.34	72.3	6.00	16.4	
Total BTEX	15.1	1.20	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/20/2015	ND	400	100	400	0.00	

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	421	50.0	01/21/2015	ND	192	96.0	200	1.13		
DRO >C10-C28	5320	50.0	01/21/2015	ND	200	100	200	3.03		

Surrogate: 1-Chlorooctane 155 % 47.2-157

Surrogate: 1-Chlorooctadecane 179 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	01/20/2015	Sampling Date:	01/16/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H500183-03)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/22/2015	ND	1.58	78.8	2.00	14.6	
Toluene*	0.994	0.200	01/22/2015	ND	1.51	75.7	2.00	15.2	
Ethylbenzene*	3.61	0.200	01/22/2015	ND	1.44	72.0	2.00	15.8	
Total Xylenes*	6.54	0.600	01/22/2015	ND	4.34	72.3	6.00	16.4	
Total BTEX	11.1	1.20	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/20/2015	ND	400	100	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	395	50.0	01/21/2015	ND	192	96.0	200	1.13		
DRO >C10-C28	5550	50.0	01/21/2015	ND	200	100	200	3.03		

Surrogate: 1-Chlorooctane 141 % 47.2-157

Surrogate: 1-Chlorooctadecane 179 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	01/20/2015	Sampling Date:	01/19/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 1' (H500183-04)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	12.8	2.00	01/22/2015	ND	1.58	78.8	2.00	14.6	
Toluene*	157	2.00	01/22/2015	ND	1.51	75.7	2.00	15.2	
Ethylbenzene*	136	2.00	01/22/2015	ND	1.44	72.0	2.00	15.8	
Total Xylenes*	171	6.00	01/22/2015	ND	4.34	72.3	6.00	16.4	
Total BTEX	477	12.0	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/20/2015	ND	400	100	400	0.00	

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	3420	100	01/21/2015	ND	192	96.0	200	1.13		
DRO >C10-C28	8870	100	01/21/2015	ND	200	100	200	3.03		

Surrogate: 1-Chlorooctane 174 % 47.2-157

Surrogate: 1-Chlorooctadecane 218 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	01/20/2015	Sampling Date:	01/19/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 1' (H500183-05)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	12.8	2.00	01/22/2015	ND	1.58	78.8	2.00	14.6	
Toluene*	153	2.00	01/22/2015	ND	1.51	75.7	2.00	15.2	
Ethylbenzene*	129	2.00	01/22/2015	ND	1.44	72.0	2.00	15.8	
Total Xylenes*	161	6.00	01/22/2015	ND	4.34	72.3	6.00	16.4	
Total BTEX	457	12.0	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/20/2015	ND	400	100	400	0.00	

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	3030	100	01/21/2015	ND	192	96.0	200	1.13		
DRO >C10-C28	7800	100	01/21/2015	ND	200	100	200	3.03		

Surrogate: 1-Chlorooctane 165 % 47.2-157

Surrogate: 1-Chlorooctadecane 195 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	01/20/2015	Sampling Date:	01/19/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 1' (H500183-06)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	10.2	2.00	01/22/2015	ND	1.58	78.8	2.00	14.6	
Toluene*	127	2.00	01/22/2015	ND	1.51	75.7	2.00	15.2	
Ethylbenzene*	112	2.00	01/22/2015	ND	1.44	72.0	2.00	15.8	
Total Xylenes*	142	6.00	01/22/2015	ND	4.34	72.3	6.00	16.4	
Total BTEX	392	12.0	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/20/2015	ND	400	100	400	0.00	

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	2600	100	01/21/2015	ND	192	96.0	200	1.13		
DRO >C10-C28	8420	100	01/21/2015	ND	200	100	200	3.03		

Surrogate: 1-Chlorooctane 171 % 47.2-157

Surrogate: 1-Chlorooctadecane 211 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	01/20/2015	Sampling Date:	01/19/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 7 @ 1' (H500183-07)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	22.4	2.00	01/22/2015	ND	1.58	78.8	2.00	14.6	
Toluene*	200	2.00	01/22/2015	ND	1.51	75.7	2.00	15.2	
Ethylbenzene*	159	2.00	01/22/2015	ND	1.44	72.0	2.00	15.8	
Total Xylenes*	199	6.00	01/22/2015	ND	4.34	72.3	6.00	16.4	
Total BTEX	580	12.0	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/20/2015	ND	400	100	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	4040	100	01/21/2015	ND	192	96.0	200	1.13	
DRO >C10-C28	12500	100	01/21/2015	ND	200	100	200	3.03	

Surrogate: 1-Chlorooctane 182 % 47.2-157

Surrogate: 1-Chlorooctadecane 321 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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 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

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



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: Shadara St. Lease Battery

Project Location:

Sampler Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

181

P.O. #:

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

PRESERV

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

Relinquished By: *[Signature]*
Date: 01-19-15
Time: 3:00
Received By: *[Signature]*
Date: 1-20-15
Time: 11:40
Delivered By: (Circle One) *[Signature]*
Time: 3:00
Sampler - UPS - Bus - Other: *[Signature]*
Sample Condition: ☒ Intact ☐ Broken
Cool: ☒ Yes ☐ No
CHECKED BY: *[Signature]*
Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
#54

TPH
BTEX
CL

1-16-15 1:20
1-16-15 1:48
1-16-15 2:11
1-19-15 9:48
1-19-15 10:25
1-19-15 10:52
1-19-15 11:31

February 25, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHAHARA STATE LEASE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/20/15 9:12.

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/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,



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 2' (H500497-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/23/2015	ND	1.72	85.8	2.00	8.59	
Toluene*	25.6	1.00	02/23/2015	ND	1.73	86.3	2.00	8.14	
Ethylbenzene*	46.5	1.00	02/23/2015	ND	1.67	83.6	2.00	11.2	
Total Xylenes*	65.5	3.00	02/23/2015	ND	4.89	81.6	6.00	11.4	
Total BTEX	138	6.00	02/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

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	1840	50.0	02/21/2015	ND	202	101	200	0.814		
DRO >C10-C28	8860	50.0	02/21/2015	ND	188	94.2	200	2.87		

Surrogate: 1-Chlorooctane 203 % 47.2-157

Surrogate: 1-Chlorooctadecane 175 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 3' (H500497-02)

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	02/23/2015	ND	1.72	85.8	2.00	8.59		
Toluene*	0.065	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2		
Total Xylenes*	<0.150	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4		
Total BTEX	<0.300	0.300	02/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 61-154

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	02/21/2015	ND	202	101	200	0.814		
DRO >C10-C28	30.1	10.0	02/21/2015	ND	188	94.2	200	2.87		

Surrogate: 1-Chlorooctane 89.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 2' (H500497-03)

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	02/23/2015	ND	1.72	85.8	2.00	8.59	
Toluene*	0.231	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14	
Ethylbenzene*	0.619	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2	
Total Xylenes*	1.30	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4	
Total BTEX	2.15	0.300	02/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	22.4	10.0	02/21/2015	ND	202	101	200	0.814	
DRO >C10-C28	275	10.0	02/21/2015	ND	188	94.2	200	2.87	

Surrogate: 1-Chlorooctane 97.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 3' (H500497-04)

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	02/23/2015	ND	1.72	85.8	2.00	8.59	
Toluene*	<0.050	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14	
Ethylbenzene*	<0.050	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4	
Total BTEX	<0.300	0.300	02/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 61-154

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	02/21/2015	ND	202	101	200	0.814	
DRO >C10-C28	<10.0	10.0	02/21/2015	ND	188	94.2	200	2.87	

Surrogate: 1-Chlorooctane 75.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 68.5 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 3 @ 2' (H500497-05)

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	02/23/2015	ND	1.72	85.8	2.00	8.59	
Toluene*	0.577	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14	
Ethylbenzene*	2.48	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2	
Total Xylenes*	5.25	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4	
Total BTEX	8.31	0.300	02/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	200	50.0	02/21/2015	ND	202	101	200	0.814	
DRO >C10-C28	2320	50.0	02/21/2015	ND	188	94.2	200	2.87	

Surrogate: 1-Chlorooctane 115 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 3 @ 3' (H500497-06)

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	02/23/2015	ND	1.72	85.8	2.00	8.59		
Toluene*	<0.050	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2		
Total Xylenes*	<0.150	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4		
Total BTEX	<0.300	0.300	02/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 61-154

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	02/21/2015	ND	202	101	200	0.814		
DRO >C10-C28	<10.0	10.0	02/21/2015	ND	188	94.2	200	2.87		

Surrogate: 1-Chlorooctane 72.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 66.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 4 @ 2' (H500497-07)

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	02/23/2015	ND	1.72	85.8	2.00	8.59		
Toluene*	<0.050	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2		
Total Xylenes*	<0.150	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4		
Total BTEX	<0.300	0.300	02/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 61-154

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	02/21/2015	ND	202	101	200	0.814	
DRO >C10-C28	10.1	10.0	02/21/2015	ND	188	94.2	200	2.87	

Surrogate: 1-Chlorooctane 91.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.1 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 4 @ 3' (H500497-08)

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	02/23/2015	ND	1.72	85.8	2.00	8.59		
Toluene*	<0.050	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2		
Total Xylenes*	<0.150	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4		
Total BTEX	<0.300	0.300	02/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 61-154

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	02/21/2015	ND	202	101	200	0.814	
DRO >C10-C28	32.3	10.0	02/21/2015	ND	188	94.2	200	2.87	

Surrogate: 1-Chlorooctane 90.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 4 @ 4' (H500497-09)

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	02/23/2015	ND	1.72	85.8	2.00	8.59		
Toluene*	<0.050	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2		
Total Xylenes*	<0.150	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4		
Total BTEX	<0.300	0.300	02/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 61-154

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	02/21/2015	ND	202	101	200	0.814		
DRO >C10-C28	285	10.0	02/21/2015	ND	188	94.2	200	2.87		

Surrogate: 1-Chlorooctane 93.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 4 @ 5' (H500497-10)

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	02/23/2015	ND	1.72	85.8	2.00	8.59		
Toluene*	<0.050	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2		
Total Xylenes*	<0.150	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4		
Total BTEX	<0.300	0.300	02/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 61-154

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	02/23/2015	ND	203	101	200	2.67		
DRO >C10-C28	28.9	10.0	02/23/2015	ND	192	96.1	200	3.48		

Surrogate: 1-Chlorooctane 85.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 82.1 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 5 @ 2' (H500497-11)

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	02/23/2015	ND	1.72	85.8	2.00	8.59		
Toluene*	<0.050	0.050	02/23/2015	ND	1.73	86.3	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/23/2015	ND	1.67	83.6	2.00	11.2		
Total Xylenes*	<0.150	0.150	02/23/2015	ND	4.89	81.6	6.00	11.4		
Total BTEX	<0.300	0.300	02/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 61-154

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	02/23/2015	ND	203	101	200	2.67		
DRO >C10-C28	12.2	10.0	02/23/2015	ND	192	96.1	200	3.48		

Surrogate: 1-Chlorooctane 88.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 5 @ 3' (H500497-12)

BTX 8021B		mg/L		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2015	ND	1.83	91.7	2.00	6.34	
Toluene*	<0.050	0.050	02/24/2015	ND	1.83	91.7	2.00	7.79	
Ethylbenzene*	<0.050	0.050	02/24/2015	ND	1.81	90.5	2.00	6.60	
Total Xylenes*	<0.150	0.150	02/24/2015	ND	5.22	86.9	6.00	7.48	
Total BTX	<0.300	0.300	02/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.9 % 66.2-142

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	02/23/2015	ND	203	101	200	2.67	
DRO >C10-C28	39.3	10.0	02/23/2015	ND	192	96.1	200	3.48	

Surrogate: 1-Chlorooctane 87.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 80.1 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/18/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 5 @ 4' (H500497-13)

BTEx 8021B		mg/L		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/24/2015	ND	1.83	91.7	2.00	6.34		
Toluene*	<0.050	0.050	02/24/2015	ND	1.83	91.7	2.00	7.79		
Ethylbenzene*	<0.050	0.050	02/24/2015	ND	1.81	90.5	2.00	6.60		
Total Xylenes*	<0.150	0.150	02/24/2015	ND	5.22	86.9	6.00	7.48		
Total BTEX	<0.300	0.300	02/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 82.8 % 66.2-142

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	02/23/2015	ND	203	101	200	2.67		
DRO >C10-C28	<10.0	10.0	02/23/2015	ND	192	96.1	200	3.48		

Surrogate: 1-Chlorooctane 77.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 77.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/19/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 6 @ 2' (H500497-14)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/24/2015	ND	1.80	90.0	2.00	10.1	
Toluene*	8.57	0.200	02/24/2015	ND	1.82	91.0	2.00	10.7	
Ethylbenzene*	17.1	0.200	02/24/2015	ND	1.78	88.9	2.00	12.9	
Total Xylenes*	23.1	0.600	02/24/2015	ND	5.21	86.8	6.00	13.7	
Total BTEx	48.8	1.20	02/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	477	50.0	02/23/2015	ND	203	101	200	2.67	
DRO >C10-C28	1980	50.0	02/23/2015	ND	192	96.1	200	3.48	

Surrogate: 1-Chlorooctane 114 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/19/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 6 @ 3' (H500497-15)

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	02/24/2015	ND	1.80	90.0	2.00	10.1		
Toluene*	<0.050	0.050	02/24/2015	ND	1.82	91.0	2.00	10.7		
Ethylbenzene*	<0.050	0.050	02/24/2015	ND	1.78	88.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	02/24/2015	ND	5.21	86.8	6.00	13.7		
Total BTEX	<0.300	0.300	02/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

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	02/23/2015	ND	203	101	200	2.67		
DRO >C10-C28	<10.0	10.0	02/23/2015	ND	192	96.1	200	3.48		

Surrogate: 1-Chlorooctane 85.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 75.4 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/19/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 7 @ 2' (H500497-16)

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	02/24/2015	ND	1.80	90.0	2.00	10.1		
Toluene*	<0.050	0.050	02/24/2015	ND	1.82	91.0	2.00	10.7		
Ethylbenzene*	<0.050	0.050	02/24/2015	ND	1.78	88.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	02/24/2015	ND	5.21	86.8	6.00	13.7		
Total BTEX	<0.300	0.300	02/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

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	02/23/2015	ND	203	101	200	2.67		
DRO >C10-C28	<10.0	10.0	02/23/2015	ND	192	96.1	200	3.48		

Surrogate: 1-Chlorooctane 87.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.7 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/19/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 7 @ 3' (H500497-17)

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	02/24/2015	ND	1.80	90.0	2.00	10.1		
Toluene*	<0.050	0.050	02/24/2015	ND	1.82	91.0	2.00	10.7		
Ethylbenzene*	<0.050	0.050	02/24/2015	ND	1.78	88.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	02/24/2015	ND	5.21	86.8	6.00	13.7		
Total BTEX	<0.300	0.300	02/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 61-154

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	02/23/2015	ND	203	101	200	2.67		
DRO >C10-C28	<10.0	10.0	02/23/2015	ND	192	96.1	200	3.48		

Surrogate: 1-Chlorooctane 85.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 80.4 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	02/20/2015	Sampling Date:	02/19/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	SHAHARA STATE LEASE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 7 @ 4' (H500497-18)

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	02/24/2015	ND	1.80	90.0	2.00	10.1		
Toluene*	<0.050	0.050	02/24/2015	ND	1.82	91.0	2.00	10.7		
Ethylbenzene*	<0.050	0.050	02/24/2015	ND	1.78	88.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	02/24/2015	ND	5.21	86.8	6.00	13.7		
Total BTEX	<0.300	0.300	02/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 61-154

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	02/23/2015	ND	203	101	200	2.67		
DRO >C10-C28	<10.0	10.0	02/23/2015	ND	192	96.1	200	3.48		

Surrogate: 1-Chlorooctane 84.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 74.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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 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

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



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:

Sampler Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Lab I.D.

Sample I.D.

H500497

SP102

SP202

SP302

SP402

SP502

SP602

SP702

SP802

SP902

SP1002

SP1102

SP1202

SP1302

SP1402

SP1502

SP1602

SP1702

SP1802

SP1902

SP2002

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH

BTEX

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the analysis. 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 rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Phone Result: ☐ Yes ☐ No ☐ Add'l Phone #:
Fax Result: ☐ Yes ☐ No ☐ Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sampler - UPS - Bus - Other:

Sampler - UPS - Bus - Other:

Sampler - UPS - Bus - Other:

Sampler - UPS - Bus - Other:

Sampler - UPS - Bus - Other:

Sampler - UPS - Bus - Other:

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: Shalyer site lease Project Location: Conway, NM Sample Name: 1st Circle				State: NM zip: 88241 Fax #: 575-397-0397 Project Owner: Terry Quest City: Hobbs State: NM Phone #: Fax #:				BILL TO				ANALYSIS REQUEST			
FOR LAB USE ONLY				Lab I.D.				Sample I.D.				P.O. #:			
Matrix (G) RAB OR (C) COMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				Preserv ACID/BASE: ICE / COOL OTHER:				Sampling DATE TIME				TPH BTEX			
11 SP5E2 12 SP5E2 13 SP5E2 14 SP6E2 15 SP6E2 16 SP7E2 17 SP7E2 18 SP7E2				11 G 12 G 13 G 14 G 15 G 16 G 17 G 18 G				11 X 12 X 13 X 14 X 15 X 16 X 17 X 18 X				11 X 12 X 13 X 14 X 15 X 16 X 17 X 18 X			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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: 2-10-15 Received By: [Signature] Date: 2-10-15				Delivered By: [Signature] Date: 2-10-15 Time: 8:00am				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Relinquished By: [Signature] Date: 2-10-15 Received By: [Signature] Date: 2-10-15 Time: 8:12am				Delivered By: [Signature] Date: 2-10-15 Time: 8:12am				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				CHECKED BY: [Signature] REMARKS:			

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 ENERGYQUEST II, LL	Contact LARRY DAVIS	
Address 4526 RESEARCH FOREST DR., STE 200, THE WOODLANDS, TX 77381	Telephone No. 281-651-5201	
Facility Name SHARARA STATE LEASE TANK BATTERY	Facility Type TANK BATTERY	
Surface Owner DARR ANGEL	Mineral Owner	API No. 30-025-340900000 (SHARAH #9 – nearest well to Tank Battery)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	16	17S	33E	1335	NORTH LINE	1335	WEST LINE	LEA

Latitude 32.8382353381653 Longitude -103.672465527684

NATURE OF RELEASE


Type of Release CRUDE OIL	Volume of Release 220 BBLs	Volume Recovered 52 BBLs
Source of Release TANK FAILURE – BOTTOM OF TANK FAILED	Date and Hour of Occurrence 28 DECEMBER 2014 – OVERNIGHT	Date and Hour of Discovery 29 DECEMBER 2014 / 1000 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Maxie	
By Whom? GREG MCWILLIAMS	Date and Hour 29 DECEMBER 2014 / 1400 hours	
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.* Approximately 250 bbls crude oil were being held in Tank #17907 pending transfer to truck. Tank bottom failed during hours of darkness, releasing approximately 220 bbls. Upon discovery, notifications were made as shown above; personnel took actions to recover as much of product as possible. Recovered approximately 52 bbls liquid product. Location visited by ranch foreman, Bern Lewlin; actions taken to protect cattle in vicinity. Tank has been drained and cleaned so that no further release can occur. Environmental consultant has been engaged to conduct measurement of impacted area and analysis for remediation.

Describe Area Affected and Cleanup Action Taken.*

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Larry D. Davis	Approved by Environmental Specialist:	
Title: Environmental Quality & Safety Manager	Approval Date:	Expiration Date:
E-mail Address: larry.davis@energyquest.us	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 30 December 2014 Phone: 281-651-5201		

* Attach Additional Sheets If Necessary