

Closure Report

Site Description	
Site Name:	Benson Shugart WFU #2 CTB
Company:	Chevron Delaware Basin
Legal Description:	U/L I, Section 26, T18S, R30E
County:	Eddy County, NM
GPS Coordinates:	N 32.71738° W 103.93519°

Release Data	
Date of Release:	07/29/2013
Type of Release:	Produced Water
Source of Release:	Tank overflow
Volume of Release:	59 bbls
Volume Recovered:	51 bbls

Remediation Specifications	
Remediation Parameters:	Excavate across the entire leak site to a depth of 1 foot. The area to West (yellow/orange sample points on drawing) will be excavated by hand. The site will then be backfilled with clean soil. An archaeologist will be present at all times during the remediation process.
Remediation Activities:	09/24/2013 to 09/27/2013

Plan Sent to OCD:	Meeting	Verbal request/C. Brunson to M. Bratcher
OCD Approval of Plan:	Meeting	Verbal approval/ M. Bratcher to C. Brunson
Plan Sent to BLM:	09/20/2013	Email from Cliff Brunson to Mike Burton
BLM Approval of Plan:	09/20/2013	Email from Mike Burton to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 08/01/2013
Final C-141	Signed 10/23/2013
Site Diagram	August 2013
Groundwater Plot	175'-200'
TOPO Maps	August 2013
Lab Summary	08/06/2013 and 08/22/2013
Lab Analysis	08/06/2013 and 08/22/2013
Correspondence	Request and approval of remediation plan via email

RECEIVED

OCT 25 2013

NMOCD ARTESIA

Request for Closure	
Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.	
Cliff Brunson, President of BBC International Inc.	10/23/2013

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

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

Release Notification and Corrective Action

OPERATOR Initial Report Final Report

Name of Company	Chevron Delaware Basin	Contact	Bradley Blevins
Address	PO Box 190, Hobbs, NM 88241	Telephone No.	(575) 391-1462
Facility Name	Benson Shugart WFU #2 CTB	Facility Type	Battery

Surface Owner	BLM	Mineral Owner		API #	
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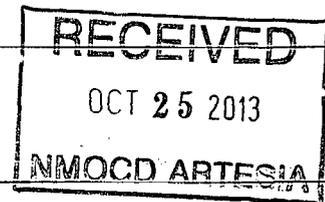
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	26	18S	30E	2310	South	330	East	Eddy County, NM

Latitude N 32.71738° Longitude W 103.93519°

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	59 bbls	Volume Recovered	51 bbls
Source of Release	Tank overflow	Date and Hour of Occurrence	07/29/2013 @ 10:00 am	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?	Mike Bratcher- NMOCD; James Amos- BLM		
By Whom?	Bradley Blevins	Date and Hour	07/29/2013 @ 3:22 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.*
Failure to get a load from the tank caused an overflow and 59 bbls of produced water leaked onto the ground. 51 bbls of produced water were recovered via vacuum truck.

Describe Area Affected and Cleanup Action Taken.*
Failure to get a load from the tank caused an overflow and 59 bbls of produced water leaked onto the ground. 51 bbls of produced water were recovered via vacuum truck. Further remediation will be performed in accordance with a NMOCD and BLM approved remediation plan.

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: <i>Bradley Blevins</i>	OIL CONSERVATION DIVISION		
Printed Name: Bradley Blevins	Approved by District Supervisor:		
Title: HE Specialist	Approval Date:	Expiration Date:	
E-mail Address: Bradley.blevins@chk.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8/1/13	Phone: (575) 391-1462		

* Attach Additional Sheets If Necessary

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with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Chevron Delaware Basin	Contact	Bradley Blevins
Address	PO Box 190, Hobbs, NM 88241	Telephone No.	(575) 391-1462
Facility Name	Benson Shugart WFU #2 CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API #	

LOCATION OF RELEASE

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I	26	18S	30E	2310	South	330	East	Eddy County, NM

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Source of Release	Tank overflow	Date and Hour of Occurrence	07/29/2013 @ 10:00 am	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?	Mike Bratcher- NMOCD; James Amos- BLM		
By Whom?	Bradley Blevins	Date and Hour	07/29/2013 @ 3:22 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

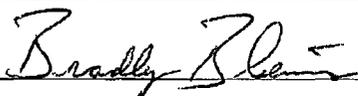
If a Watercourse was Impacted, Describe Fully.*

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OCT 25 2013

Describe Cause of Problem and Remedial Action Taken.*
Failure to get a load from the tank caused an overflow and 59 bbls of produced water leaked onto the ground. 51 bbls of produced water were recovered via vacuum truck.

Describe Area Affected and Cleanup Action Taken.*
Failure to get a load from the tank caused an overflow and 59 bbls of produced water leaked onto the ground. 51 bbls of produced water were recovered via vacuum truck. Remediation was completed in accordance with the remediation plan verbally approved by Mike Bratcher of NMOCD and approved by Mike Burton of the BLM via email on 09/20/2013.

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: Bradley Blevins	Approved by District Supervisor:		
Title: HE Specialist	Approval Date:	Expiration Date:	
E-mail Address: Bradley.blevins@chk.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 10/23/2013	Phone: (575) 391-1462		

* Attach Additional Sheets If Necessary



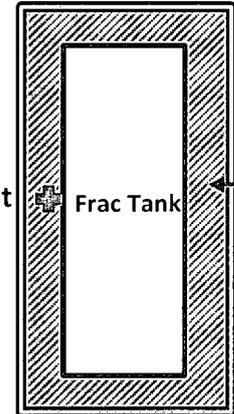
Chevron

Benson Shugart WFU #2 Battery

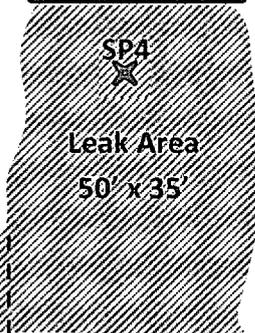


- ✕ Initial Delineation on location
- ✕ Additional Delineation off location

Leak Point + Frac Tank ← Leak Area 51' x 25'



SP4 ✕
Leak Area 50' x 35'

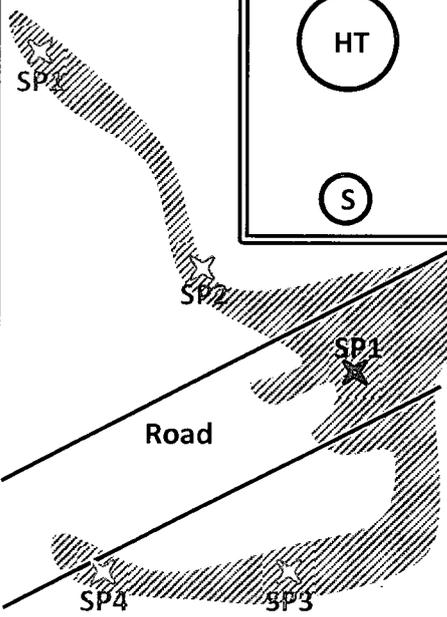
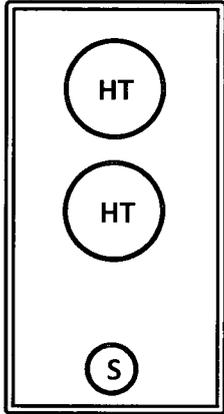
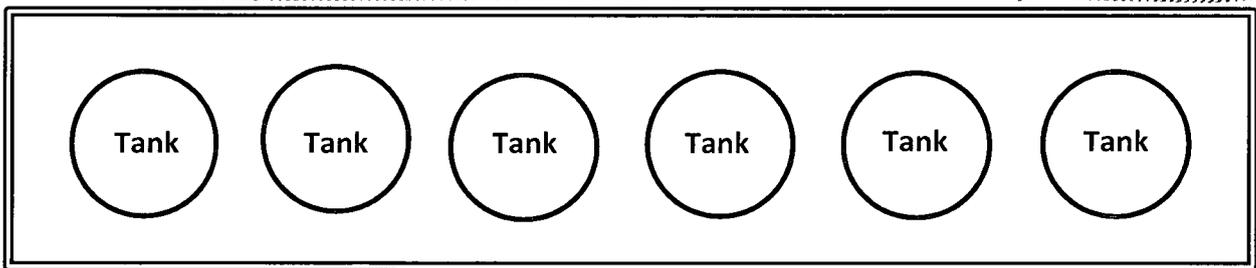


Leak Area 188' x 25'

SP2 ✕

Stake ✕

SP3 ✕



U/L I, Section 26, T18S, R30E
2310' FSL and 330' FEL
Eddy County, NM
GPS at Stake: N 32.71738°W 103.93519°

BBC International, Inc.	
Chevron	
Benson Shugart WFU #2 Battery	
Date: 08/02/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Chevron 2013



Groundwater Plot

Chevron Benson Shugart WFU #2 Battery

County
Eddy

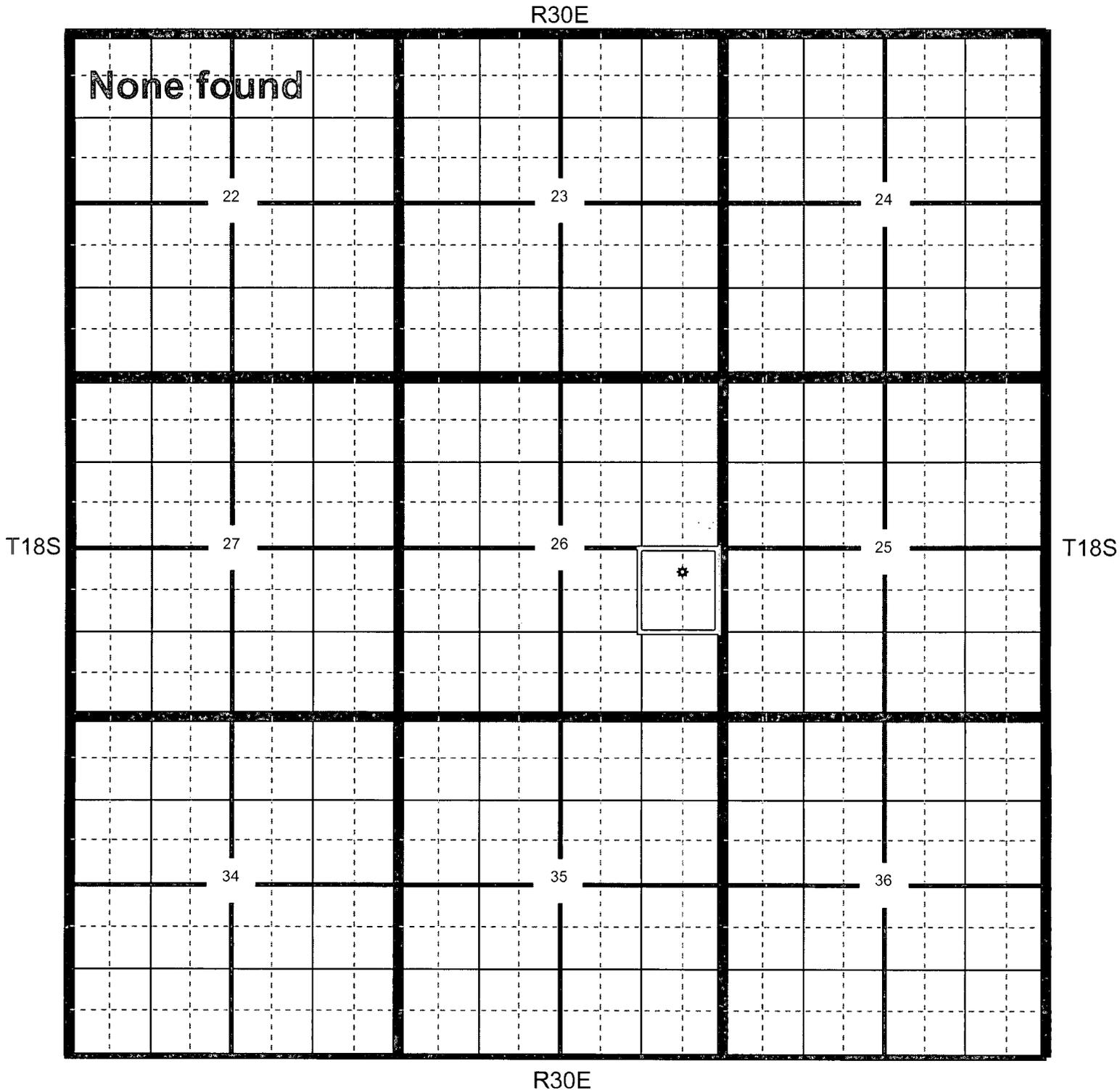
Unit Letter
I

Section
26

Township
18S

Range
30E

Trend Map 175'-200'



⊛ Location

○ OCD

○ USGS

○ SEO

● All Databases

Chevron Benson Shugart WFU #2 Btry

County Eddy Unit Letter I Section 26 Township 18S Range 30E

Trend Map 175'-200'

1

2

NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE ☼
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

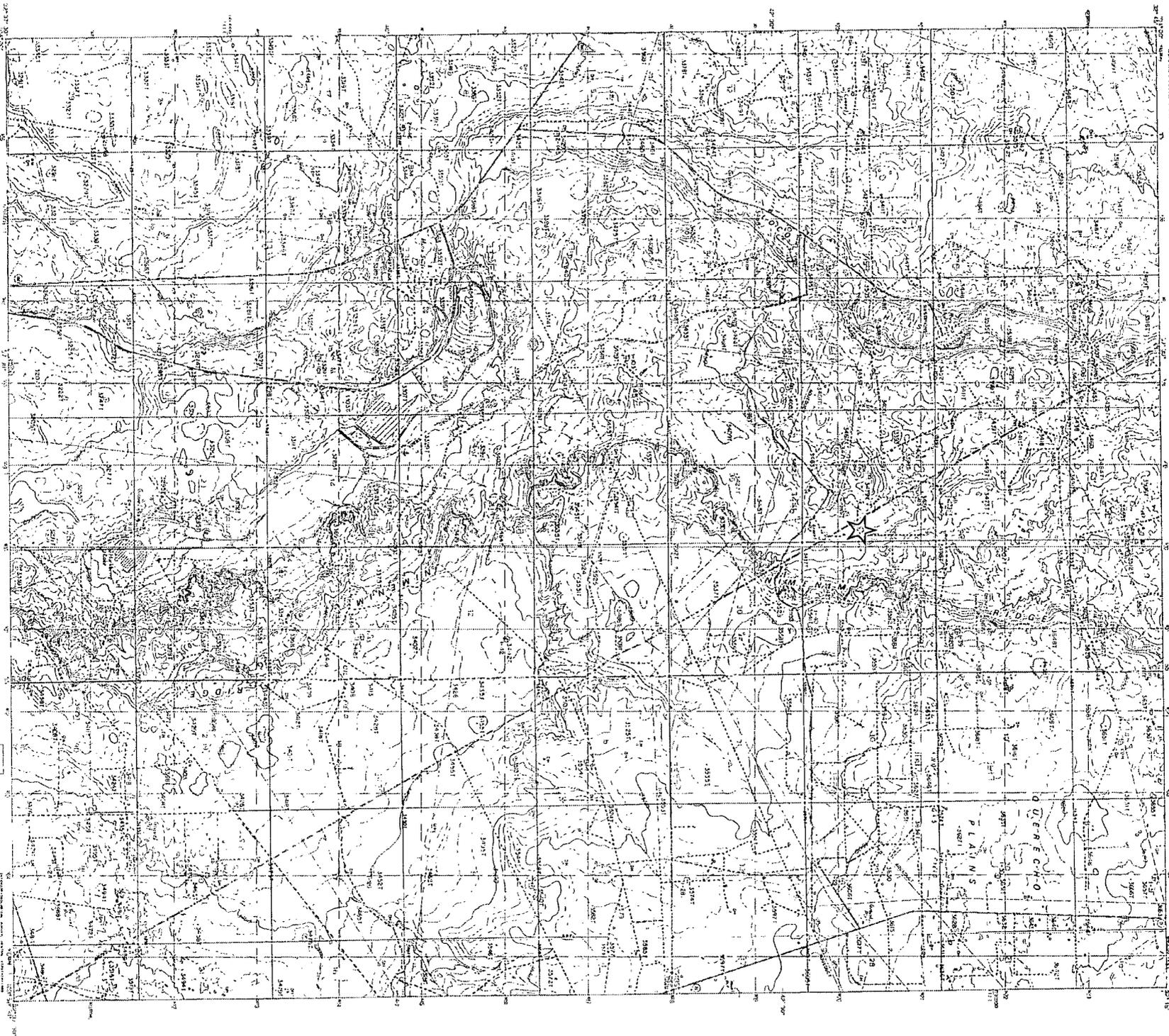
Chevron

Benson Shugart

WFU #2 Battery

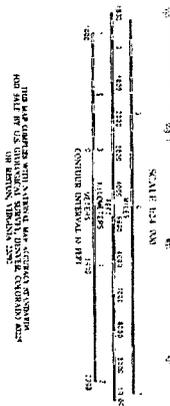
UNITED STATES
DEPARTMENT OF THE ARMY
ENGINEERING BUREAU

HACKBERRY LAKE QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (FORMER 1:50,000)



PROVISIONAL MAP
Produced from original
revisions shown as of date of
field check.

PROVISIONAL MAP
Produced from original
revisions shown as of date of
field check.

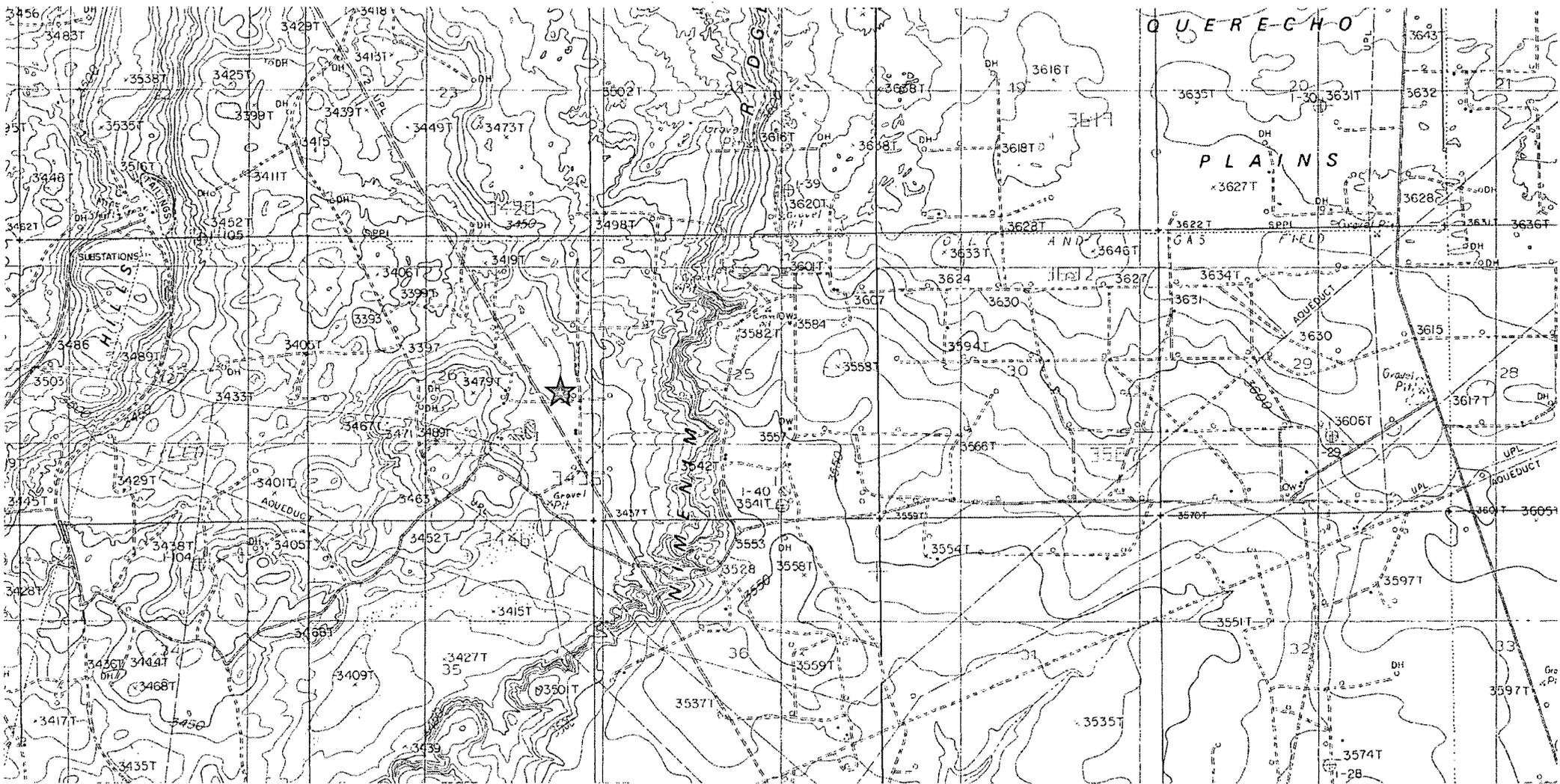


ROAD CLASSIFICATION	
1	Interstate
2	State
3	County
4	Other

PROVISIONAL MAP
Produced from original
revisions shown as of date of
field check.

HACKBERRY LAKE, NEW MEXICO
PROVISIONAL EDITION 1981
52444722A

Chevron
Benson Shugart
WFU #2 Battery



**Laboratory Analytical Results Summary
Benson Shugart WFU #2**

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'
			8/6/13	8/6/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		3480	176
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	23.5

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
			8/22/13	8/22/13	8/22/13	8/22/13	8/22/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	<0.300
Chloride	SM4500CI-B		2160	32	<16.0	<16.0	<16.0
GRO	TPH 8015M		n/a	<50.0	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	83.9	n/a	n/a	<10.0

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
			8/6/13	8/6/13	8/6/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	n/a	<0.300
Chloride	SM4500CI-B		5360	176	32
GRO	TPH 8015M		n/a	n/a	<10.0
DRO	TPH 8015M		n/a	n/a	<10.0

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
			8/22/13	8/22/13	8/22/13	8/22/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	<0.300
Chloride	SM4500CI-B		2520	32	16	32
GRO	TPH 8015M		n/a	<50.0	n/a	<10.0
DRO	TPH 8015M		n/a	147	n/a	<10.0

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'
			8/6/13	8/6/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		1440	560
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
			8/22/13	8/22/13	8/22/13	8/22/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	<0.300
Chloride	SM4500CI-B		2200	160	64	48
GRO	TPH 8015M		n/a	<10.0	n/a	<10.0
DRO	TPH 8015M		n/a	23.2	n/a	<10.0

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 1'
			8/6/13	8/6/13	8/6/13
			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	SM4500CI-B		3400	224	32
GRO	TPH 8015M		n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
			8/22/13	8/22/13	8/22/13	8/22/13	8/22/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	<0.300
Chloride	SM4500CI-B		2400	192	64	48	32
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	23.7	n/a	n/a	<10.0

August 26, 2013

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

RE: BENSON SHUGART WFU #2

Enclosed are the results of analyses for samples received by the laboratory on 08/13/13 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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,



Caley 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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ SURFACE (H301912-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3480	16.0	08/14/2013	ND	448	112	400	11.3		

Sample ID: SP 1 @ 1' (H301912-02)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2013	ND	1.97	98.7	2.00	1.33		
Toluene*	<0.050	0.050	08/19/2013	ND	1.95	97.7	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	1.90	95.0	2.00	1.00		
Total Xylenes*	<0.150	0.150	08/19/2013	ND	5.67	94.5	6.00	1.36		
Total BTEX	<0.300	0.300	08/19/2013	ND						

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

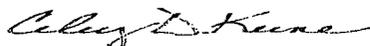
Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/14/2013	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/14/2013	ND	187	93.7	200	3.43		
DRO >C10-C28	23.5	10.0	08/14/2013	ND	203	102	200	3.21		

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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 1' (H301912-02)

TPH 8015M	mg/kg	Analyzed By: DW								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Surrogate: 1-Chlorooctane	93.2 %	65.2-140								
Surrogate: 1-Chlorooctadecane	108 %	63.6-154								

Sample ID: SP 2 @ SURFACE (H301912-03)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	08/14/2013	ND	448	112	400	11.3		

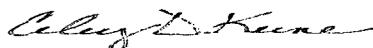
Sample ID: SP 2 @ 1' (H301912-04)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/14/2013	ND	448	112	400	11.3		

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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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 2' (H301912-05)

BTEX 82608		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2013	ND	1.97	98.7	2.00	1.33		
Toluene*	<0.050	0.050	08/19/2013	ND	1.95	97.7	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	1.90	95.0	2.00	1.00		
Total Xylenes*	<0.150	0.150	08/19/2013	ND	5.67	94.5	6.00	1.36		
Total BTEX	<0.300	0.300	08/19/2013	ND						

Surrogate: Dibromofluoromethane 94.2 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2013	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/14/2013	ND	187	93.7	200	3.43		
DRO >C10-C28	<10.0	10.0	08/14/2013	ND	203	102	200	3.21		

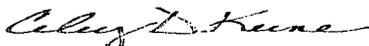
Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 3 @ SURFACE (H301912-06)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	08/14/2013	ND	448	112	400	11.3	

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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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 3 @ 1' (H301912-07)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2013	ND	1.97	98.7	2.00	1.33		
Toluene*	<0.050	0.050	08/19/2013	ND	1.95	97.7	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	1.90	95.0	2.00	1.00		
Total Xylenes*	<0.150	0.150	08/19/2013	ND	5.67	94.5	6.00	1.36		
Total BTEX	<0.300	0.300	08/19/2013	ND						

Surrogate: Dibromofluoromethane 95.9 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/14/2013	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/14/2013	ND	187	93.7	200	3.43		
DRO >C10-C28	<10.0	10.0	08/14/2013	ND	203	102	200	3.21		

Surrogate: 1-Chlorooctane 93.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 @ SURFACE (H301912-08)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	08/14/2013	ND	448	112	400	11.3	

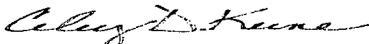
Sample ID: SP 4 @ 1' (H301912-09)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/14/2013	ND	448	112	400	11.3	

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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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 @ 2' (H301912-10)

BTEX 82608		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2013	ND	1.97	98.7	2.00	1.33		
Toluene*	<0.050	0.050	08/19/2013	ND	1.95	97.7	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	1.90	95.0	2.00	1.00		
Total Xylenes*	<0.150	0.150	08/19/2013	ND	5.67	94.5	6.00	1.36		
Total BTEX	<0.300	0.300	08/19/2013	ND						

Surrogate: Dibromofluoromethane 96.8 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2013	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/14/2013	ND	187	93.7	200	3.43		
DRO >C10-C28	<10.0	10.0	08/14/2013	ND	203	102	200	3.21		

Surrogate: 1-Chlorooctane 95.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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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

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Celest D. Keene, Lab Director/Quality Manager

September 03, 2013

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

RE: BENSON SHUGART WFU #2

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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,



Caley 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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ SURFACE (H302041-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	08/29/2013	ND	432	108	400	0.00		

Sample ID: SP 1 @ 1' (H302041-02)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/29/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	83.9	50.0	08/30/2013	ND	209	104	200	4.45		

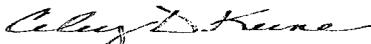
Surrogate: 1-Chlorooctane 90.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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* = 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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 2' (H302041-03)

Chloride, SM4500CI-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	08/30/2013	ND	416	104	400	0.00		

Sample ID: SP 1 @ 3' (H302041-04)

Chloride, SM4500CI-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	08/30/2013	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 4' (H302041-05)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

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	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Sample ID: SP 2 @ SURFACE (H302041-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	08/30/2013	ND	416	104	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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 1' (H302041-07)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 99.5 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	147	50.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

Sample ID: SP 2 @ 2' (H302041-08)

Chloride, SM4500CI-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	08/30/2013	ND	416	104	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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 3' (H302041-09)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

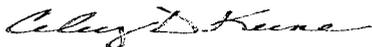
Sample ID: SP 3 @ SURFACE (H302041-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	08/30/2013	ND	416	104	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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 3 @ 1' (H302041-11)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 100 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	23.2	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

Sample ID: SP 3 @ 2' (H302041-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/30/2013	ND	416	104	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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 3 @ 3' (H302041-13)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

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	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

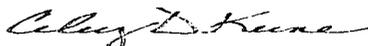
Sample ID: SP 4 @ SURFACE (H302041-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	08/30/2013	ND	416	104	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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 @ 1' (H302041-15)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	23.7	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Sample ID: SP 4 @ 2' (H302041-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/30/2013	ND	416	104	400	0.00		

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Caley 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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 @ 3' (H302041-17)

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	08/30/2013	ND	416	104	400	0.00		

Sample ID: SP 4 @ 4' (H302041-18)

BTEX 8021B		mg/kg	Analyzed By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg	Analyzed By: AR/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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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

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST													
Project Manager: Cliff Brunson		P.O. #:															
Address: P.O. Box 805		Company:															
City: Hobbs State: NM Zip: 88241		Attn:															
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:															
Project #: Project Owner: <i>CHEVRON</i>		City:															
Project Name:		State: Zip:															
Project Location: <i>Benson Shugart</i>		Phone #:															
Sampler Name: <i>Roger Hernandez</i>		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	CHLORIDE	TPH	BTEX
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
H302041																	
11	<i>SP3 @ 1'</i>	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>8-22-13</i>	<i>1138</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
12	<i>@ 2'</i>	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>8-22-13</i>	<i>1145</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
13	<i>@ 3'</i>	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>8-22-13</i>	<i>1155</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
14	<i>SP4 @ SURFACE</i>	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>8-22-13</i>	<i>1215</i>	<i>✓</i>		
15	<i>@ 1'</i>	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>8-22-13</i>	<i>1725</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
16	<i>@ 2'</i>	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>8-22-13</i>	<i>1237</i>	<i>✓</i>		
17	<i>@ 3'</i>	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>8-22-13</i>	<i>1248</i>	<i>✓</i>		
18	<i>@ 4'</i>	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>8-22-13</i>	<i>105</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>

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Relinquished By: <i>Roger Hernandez</i>	Date: <i>8-22-13</i> Time: <i>4:12</i>	Received By: <i>S-jc Rdb</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>S-jc Rdb</i>	Date: <i>8-23-13</i> Time: <i>4:20</i>	Received By: <i>Jodi Benson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	<i>5.7°C</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>JTB</i>	
REMARKS:				

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

#54

Kathy Purvis

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Friday, September 20, 2013 2:38 PM
To: Bradley Blevins
Cc: Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject: FW: Chevron-Benson Shugart WFU #2 Battery-Remediation Plan

Brad,

See BLM approval below.

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

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From: Mike Burton <mburton@blm.gov>
Date: Friday, September 20, 2013 2:35 PM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Subject: Re: Chevron-Benson Shugart WFU #2 Battery-Remediation Plan

Cliff,
This plan is approved as written.
Thanks

Mike Burton
BLM-CFO
Environmental Protection Specialist
575-234-2226 office
575-361-3574 cell
mburton@blm.gov

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On Fri, Sep 20, 2013 at 12:06 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Mike,

I met with Mike Bratcher of the NMOCD and he has approved the following remediation plan for the leak at this site. I have attached the documentation that Mike and I used in our discussion. As you know we have conducted an archeological study on the West side of the battery. Chevron proposes a 1 foot excavation across the entire leak area. The area to the West depicted by the yellow sample points on the drawing will be hand excavated and backfilled. There will be an archeologist on site the whole time while operations are conducted in this area to maintain that the soil removal does not disturb any sensitive area.

Chevron is therefore requesting the approval from the BLM to conduct this remediation. If you would please respond back via e-mail with the approval to proceed, it would be greatly appreciated. If you have any questions, please let us know.

Thank you,

Cliff

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

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Chevron

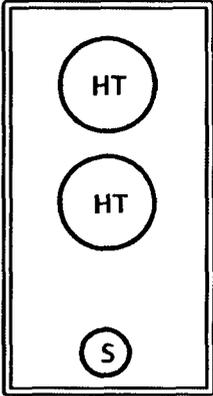
Benson Shugart WFU #2 Battery



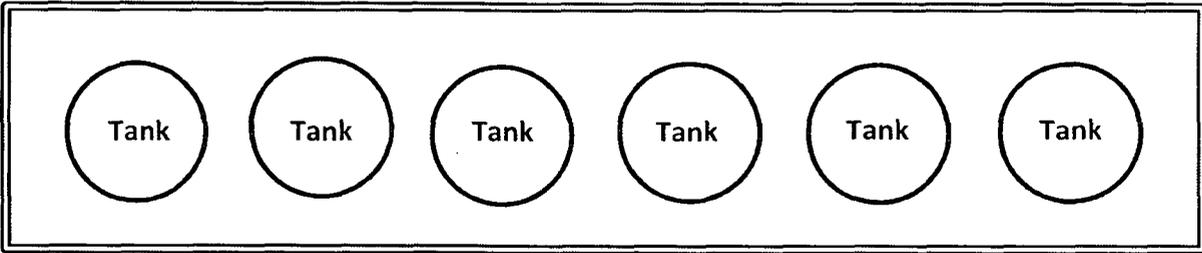
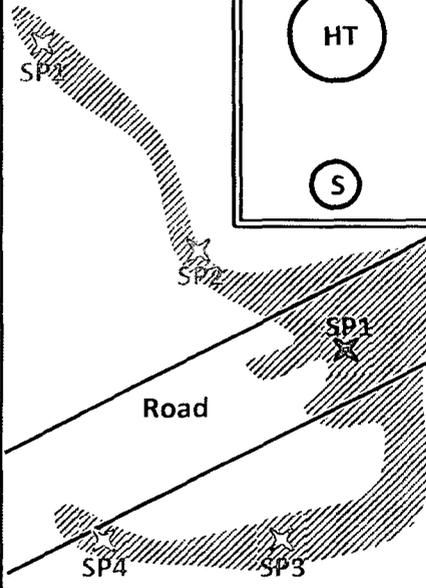
Leak Point

Frac Tank

Leak Area
51' x 25'



- ✕ Initial Delineation on location
- ✕ Additional Delineation off location



Leak Area
188' x 25'

Stake

SP4
Leak Area
50' x 35'

U/L I, Section 26, T18S, R30E
2310' FSL and 330' FEL
Eddy County, NM
GPS at Stake: N 32.71738°W 103.93519°

BBC International, Inc.	
Chevron	
Benson Shugart WFU #2 Battery	
Date: 08/02/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Chevron 2013



Groundwater Plot

Chevron Benson Shugart WFU #2 Battery

County
Eddy

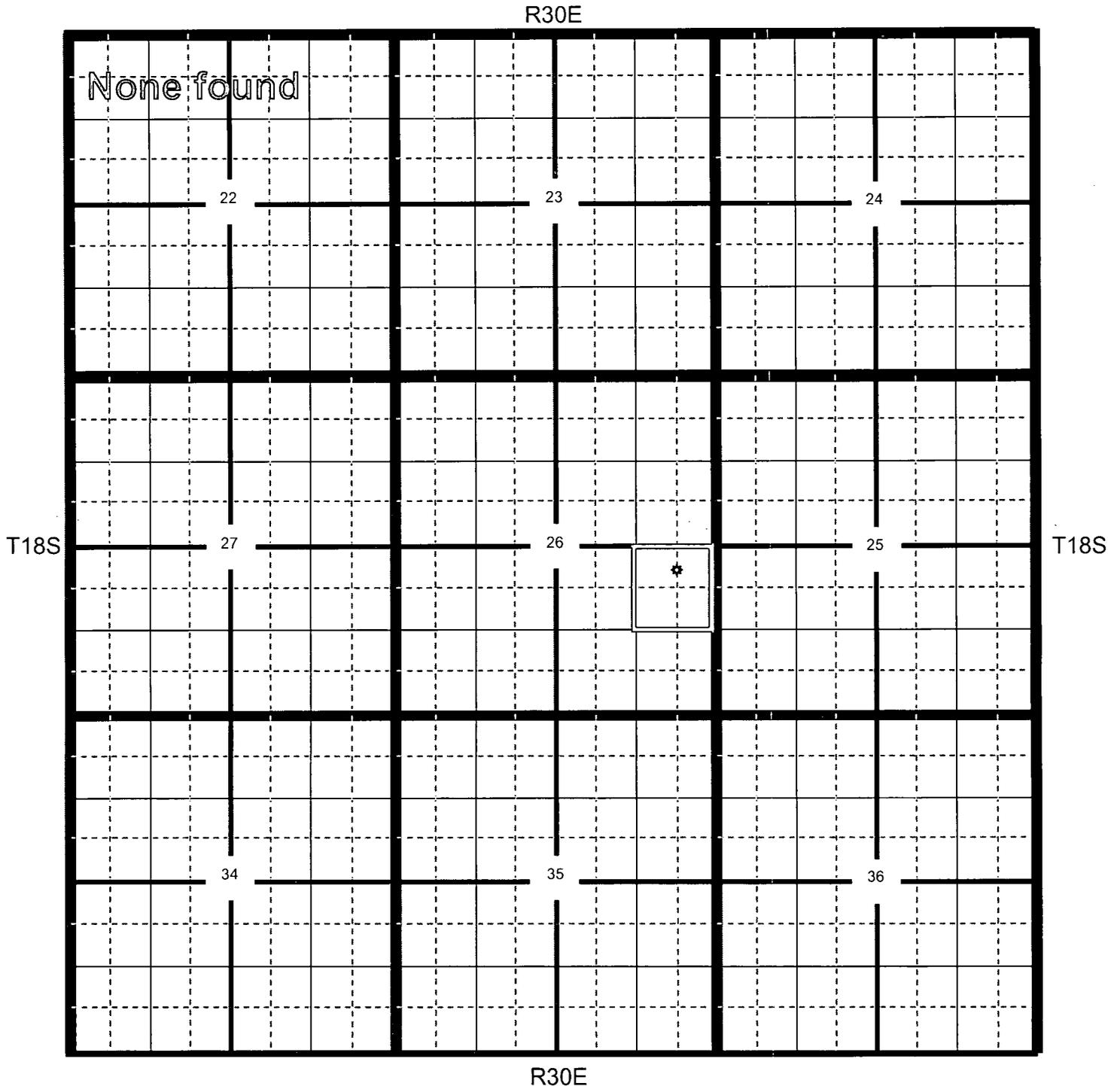
Unit Letter
I

Section
26

Township
18S

Range
30E

Trend Map 175'-200'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters

Chevron Benson Shugart WFU #2 Btry

<i>County</i> Eddy	<i>Unit Letter</i> I	<i>Section</i> 26	<i>Township</i> 18S	<i>Range</i> 30E
-----------------------	-------------------------	----------------------	------------------------	---------------------

Trend Map 175'-200'

1

2

NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE * Unit Letter I
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

* Location ○ OCD ○ USGS ○ SEO ● All Databases

Laboratory Analytical Results Summary
Benson Shugart WFU #2

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'
			8/6/13 mg/Kg	8/6/13 mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500Cl-B		3480	176
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	23.5

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
			8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	<0.300
Chloride	SM4500Cl-B		2160	32	<16.0	<16.0	<16.0
GRO	TPH 8015M		n/a	<50.0	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	83.9	n/a	n/a	<10.0

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
			8/6/13 mg/Kg	8/6/13 mg/Kg	8/6/13 mg/Kg
Benzene	BTEX 8021B		n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	n/a	<0.300
Chloride	SM4500Cl-B		5360	176	32
GRO	TPH 8015M		n/a	n/a	<10.0
DRO	TPH 8015M		n/a	n/a	<10.0

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
			8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	<0.300
Chloride	SM4500Cl-B		2520	32	16	32
GRO	TPH 8015M		n/a	<50.0	n/a	<10.0
DRO	TPH 8015M		n/a	147	n/a	<10.0

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'
			8/6/13 mg/Kg	8/6/13 mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500Cl-B		1440	560
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
			8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	<0.300
Chloride	SM4500Cl-B		2200	160	64	48
GRO	TPH 8015M		n/a	<10.0	n/a	<10.0
DRO	TPH 8015M		n/a	23.2	n/a	<10.0

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 1'
			8/6/13 mg/Kg	8/6/13 mg/Kg	8/6/13 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		3400	224	32
GRO	TPH 8015M		n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
			8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg	8/22/13 mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	<0.300
Chloride	SM4500Cl-B		2400	192	64	48	32
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	23.7	n/a	n/a	<10.0

August 26, 2013

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

RE: BENSON SHUGART WFU #2

Enclosed are the results of analyses for samples received by the laboratory on 08/13/13 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ SURFACE (H301912-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3480	16.0	08/14/2013	ND	448	112	400	11.3		

Sample ID: SP 1 @ 1' (H301912-02)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2013	ND	1.97	98.7	2.00	1.33		
Toluene*	<0.050	0.050	08/19/2013	ND	1.95	97.7	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	1.90	95.0	2.00	1.00		
Total Xylenes*	<0.150	0.150	08/19/2013	ND	5.67	94.5	6.00	1.36		
Total BTEX	<0.300	0.300	08/19/2013	ND						

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/14/2013	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/14/2013	ND	187	93.7	200	3.43		
DRO >C10-C28	23.5	10.0	08/14/2013	ND	203	102	200	3.21		

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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 1' (H301912-02)

TPH 8015M	mg/kg	Analyzed By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: 1-Chlorooctane	93.2 %	65.2-140							
Surrogate: 1-Chlorooctadecane	108 %	63.6-154							

Sample ID: SP 2 @ SURFACE (H301912-03)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	08/14/2013	ND	448	112	400	11.3	

Sample ID: SP 2 @ 1' (H301912-04)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/14/2013	ND	448	112	400	11.3	

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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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 2' (H301912-05)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2013	ND	1.97	98.7	2.00	1.33		
Toluene*	<0.050	0.050	08/19/2013	ND	1.95	97.7	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	1.90	95.0	2.00	1.00		
Total Xylenes*	<0.150	0.150	08/19/2013	ND	5.67	94.5	6.00	1.36		
Total BTEX	<0.300	0.300	08/19/2013	ND						

Surrogate: Dibromofluoromethane 94.2 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2013	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/14/2013	ND	187	93.7	200	3.43		
DRO >C10-C28	<10.0	10.0	08/14/2013	ND	203	102	200	3.21		

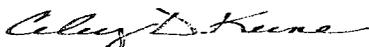
Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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* = 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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

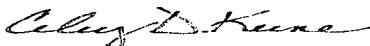
Sample ID: SP 3 @ SURFACE (H301912-06)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	08/14/2013	ND	448	112	400	11.3	

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*=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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 3 @ 1' (H301912-07)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2013	ND	1.97	98.7	2.00	1.33		
Toluene*	<0.050	0.050	08/19/2013	ND	1.95	97.7	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	1.90	95.0	2.00	1.00		
Total Xylenes*	<0.150	0.150	08/19/2013	ND	5.67	94.5	6.00	1.36		
Total BTEX	<0.300	0.300	08/19/2013	ND						

Surrogate: Dibromofluoromethane 95.9 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/14/2013	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/14/2013	ND	187	93.7	200	3.43		
DRO >C10-C28	<10.0	10.0	08/14/2013	ND	203	102	200	3.21		

Surrogate: 1-Chlorooctane 93.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 @ SURFACE (H301912-08)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	08/14/2013	ND	448	112	400	11.3	

Sample ID: SP 4 @ 1' (H301912-09)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/14/2013	ND	448	112	400	11.3	

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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:	08/13/2013	Sampling Date:	08/06/2013
Reported:	08/26/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 @ 2' (H301912-10)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2013	ND	1.97	98.7	2.00	1.33		
Toluene*	<0.050	0.050	08/19/2013	ND	1.95	97.7	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	1.90	95.0	2.00	1.00		
Total Xylenes*	<0.150	0.150	08/19/2013	ND	5.67	94.5	6.00	1.36		
Total BTEX	<0.300	0.300	08/19/2013	ND						

Surrogate: Dibromofluoromethane 96.8 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2013	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/14/2013	ND	187	93.7	200	3.43		
DRO >C10-C28	<10.0	10.0	08/14/2013	ND	203	102	200	3.21		

Surrogate: 1-Chlorooctane 95.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

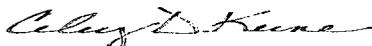
Notes and Definitions

- 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

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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.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company:											
City: Hobbs State: NM Zip: 88241		Attn:											
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: SAME											
Project #: Project Owner: CHEURON		City:											
Project Name: Brunson Stewart WPA #2		State: Zip:											
Project Location: Pop Hill		Phone #:											
Sampler Name: Roger Hernandez		Fax #:											

Lab I.D.	Sample I.D.	C/P	CONTAINERS	MATRIX					PRESERV			SAMPLING		DATE	TIME	CHLORIDE	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER						
H30912																		
1	SPT @ SURFACE													8-6-13	950			
2	@ 1'													8-6-13	1000			
3	SPT @ SURFACE													8-6-13	1025			
4	@ 1'													8-6-13	1038			
5	@ 2'													8-6-13	1055			
6	SPT @ SURFACE													8-6-13	1120			
7	@ 1'													8-6-13	1140			
8	SPT @ SURFACE													8-6-13	1001			
9	@ 1'													8-6-13	115			
10	@ 1'													8-6-13	130			

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Relinquished By: <i>[Signature]</i>	Date: 8/6/13	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 3:00p		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>	Date: 8/13/13	Received By: Jodi Hanson	REMARKS:	
	Time: 12:140			
Delivered By: (Circle One) Sampler: URS Bus Other	Sample Condition: Cool: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>		

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

#54

September 03, 2013

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

RE: BENSON SHUGART WFU #2

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/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,



Caley 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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ SURFACE (H302041-01)

Chloride, SM4500CI-B	mg/kg	Analyzed By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	08/29/2013	ND	432	108	400	0.00	

Sample ID: SP 1 @ 1' (H302041-02)

BTEX 8021B	mg/kg	Analyzed By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14	
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66	
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6	
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2	
Total BTEX	<0.300	0.300	08/29/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500CI-B	mg/kg	Analyzed By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/29/2013	ND	432	108	400	0.00	

TPH 8015M	mg/kg	Analyzed By: AR/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/30/2013	ND	209	105	200	2.74	
DRO >C10-C28	83.9	50.0	08/30/2013	ND	209	104	200	4.45	

Surrogate: 1-Chlorooctane 90.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 2' (H302041-03)

Chloride, SM4500CI-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	08/30/2013	ND	416	104	400	0.00		

Sample ID: SP 1 @ 3' (H302041-04)

Chloride, SM4500CI-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	08/30/2013	ND	416	104	400	0.00		

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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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 4' (H302041-05)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 89.4-126

Chloride, SM4500CI-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	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Sample ID: SP 2 @ SURFACE (H302041-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	08/30/2013	ND	416	104	400	0.00		

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

Received:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 1' (H302041-07)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.5 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	147	50.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

Sample ID: SP 2 @ 2' (H302041-08)

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	08/30/2013	ND	416	104	400	0.00		

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 Fax To: (575) 397-0397

Received:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 3' (H302041-09)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Sample ID: SP 3 @ SURFACE (H302041-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	08/30/2013	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 3 @ 1' (H302041-11)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	23.2	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

Sample ID: SP 3 @ 2' (H302041-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/30/2013	ND	416	104	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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 3 @ 3' (H302041-13)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 89.4-126

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	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

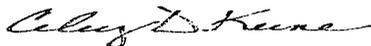
Sample ID: SP 4 @ SURFACE (H302041-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	08/30/2013	ND	416	104	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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 @ 1' (H302041-15)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	23.7	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Sample ID: SP 4 @ 2' (H302041-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/30/2013	ND	416	104	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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	BENSON SHUGART WFU #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 4 @ 3' (H302041-17)

Chloride, SM4500CI-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	08/30/2013	ND	416	104	400	0.00		

Sample ID: SP 4 @ 4' (H302041-18)

BTEX 8021B	mg/kg	Analyzed By: DW								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.00	99.9	2.00	4.14		
Toluene*	<0.050	0.050	08/29/2013	ND	1.96	98.2	2.00	6.66		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	1.96	98.0	2.00	11.6		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	5.84	97.3	6.00	10.2		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 89.4-126

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2013	ND	416	104	400	0.00		

TPH 8015M	mg/kg	Analyzed By: AR/								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	209	105	200	2.74		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	209	104	200	4.45		

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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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

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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

1 of 2

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn:													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: SAME													
Project #: Project Owner: <i>McVernon</i>		City:													
Project Name: <i>Benson Shugart WFA # 2</i>		State: Zip:													
Project Location: <i>Loco Hills</i>		Phone #:													
Sampler Name: <i>Ray H</i>		Fax #:													

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	CHLORIDE	TPH	BIEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER						
	H3D2041																	
	1	SP1 @ SURFACE	G-1			✓				✓				8-22-13	945	✓		
	2	@ 1'	G-1			✓				✓				8-22-13	958	✓	✓	✓
	3	@ 2'	G-1			✓				✓				8-22-13	1010	✓		
	4	@ 3'	G-1			✓				✓				8-22-13	1024	✓		
	5	@ 4'	G-1			✓				✓				8-22-13	1030	✓	✓	✓
	6	SP2 @ SURFACE	G-1			✓				✓				8-22-13	1048	✓		
	7	@ 1'	G-1			✓				✓				8-22-13	1057	✓	✓	✓
	8	@ 2'	G-1			✓				✓				8-22-13	1109	✓		
	9	@ 3'	G-1			✓				✓				8-22-13	1115	✓	✓	✓
	10	SP3 @ SURFACE	G-1			✓				✓				8-22-13	1130	✓		

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Relinquished By: <i>Ray H</i>	Date: 8-23-13 Time: 4:12	Received By: <i>Sy - RAB</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Sy - RAB</i>	Date: 8-23-13 Time: 4:20	Received By: <i>Jodi Henson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>5.7°C</i>	Sample Condition Cool / Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>JH</i>	REMARKS:	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476
 #54



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																							
Project Manager: Cliff Brunson		P.O. #:																									
Address: P.O. Box 805		Company:																									
City: Hobbs State: NM Zip: 88241		Attn:																									
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:																									
Project #: Project Owner: Chevron		City:																									
Project Name:		State: Zip:																									
Project Location: Benson Spugart		Phone #:																									
Sampler Name: Roger Hernandez		Fax #:																									
FOR LAB USE ONLY			MATRIX				PRESERV.			SAMPLING																	
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													
H302041																											
11	SP3 @ 1'	G	1			✓				✓			8-22-13	1138	✓	✓	✓										
12	@ 2'	G	1			✓				✓			8-22-13	1145	✓	✓	✓										
13	@ 3'	G	1			✓				✓			8-22-13	1155	✓	✓	✓										
14	SP4 @ Surface	G	1			✓				✓			8-22-13	1215	✓	✓	✓										
15	@ 1'	G	1			✓				✓			8-22-13	1225	✓	✓	✓										
16	@ 2'	G	1			✓				✓			8-22-13	1237	✓	✓	✓										
17	@ 3'	G	1			✓				✓			8-22-13	1248	✓	✓	✓										
18	@ 4'	G	1			✓				✓			8-22-13	105	✓	✓	✓										

CHLORIDE
TPH
BTEX

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Relinquished By: Roger Hernandez	Date: 8-22-13	Received By: S-J-Rob	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 4:12		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: S-J-Rob	Date: 8-23-13	Received By: Jodi Henson	REMARKS:	
	Time: 4:20			
Delivered By: (Circle One)	Sample Condition	Checked By: [Signature]		
Sampler - UPS - Bus - Other:	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	5.7°C			

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

#54

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

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

Release Notification and Corrective Action

OPERATOR Initial Report Final Report

Name of Company	Chevron Delaware Basin	Contact	Bradley Blevins
Address	PO Box 190, Hobbs, NM 88241	Telephone No.	(575) 391-1462
Facility Name	Benson Shugart WFU #2 CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API #	

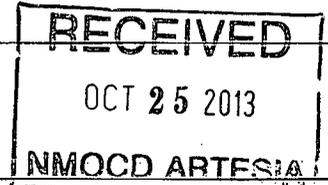
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	26	18S	30E	2310	South	330	East	Eddy County, NM

Latitude N 32.71738° Longitude W 103.93519°

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	59 bbls	Volume Recovered	51 bbls
Source of Release	Tank overflow	Date and Hour of Occurrence	07/29/2013 @ 10:00 am	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?	Mike Bratcher- NMOCD; James Amos- BLM		
By Whom?	Bradley Blevins	Date and Hour	07/29/2013 @ 3:22 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.*
Failure to get a load from the tank caused an overflow and 59 bbls of produced water leaked onto the ground. 51 bbls of produced water were recovered via vacuum truck.

Describe Area Affected and Cleanup Action Taken.*
Failure to get a load from the tank caused an overflow and 59 bbls of produced water leaked onto the ground. 51 bbls of produced water were recovered via vacuum truck. Further remediation will be performed in accordance with a NMOCD and BLM approved remediation plan.

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: <i>Bradley Blevins</i>	OIL CONSERVATION DIVISION		
Printed Name: Bradley Blevins	Approved by District Supervisor:		
Title: HE Specialist	Approval Date:	Expiration Date:	
E-mail Address: Bradley.blevins@chk.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8/1/13	Phone: (575) 391-1462		

* Attach Additional Sheets If Necessary