

Closure Report



Site Description	
Site Name:	DWU Federal #1
Company:	Oxy Permian Ltd.
Legal Description:	U/L J, Section 34, T19S, R28E
County:	Eddy County, NM
GPS Coordinates:	N 32.61549° W 104.16224°

Release Data	
Date of Release:	01/08/2011
Type of Release:	Oil and Produced Water
Source of Release:	Nipple from the bottom of the tank
Volume of Release:	301 bbls
Volume Recovered:	65 bbls

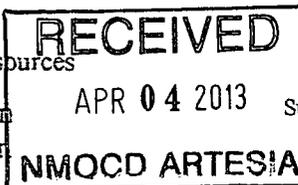
Remediation Specifications	
Remediation Parameters:	Excavate the spill areas around SP1 and SP3 to a depth of 3 feet. Excavate the spill area around SP2 to a depth of 4.5 feet. Excavate the spill areas around SP4, SP5, and SP6 to a depth of 1 foot. Inside the tank battery berm areas of SP7, SP8, and SP9 additional sampling will be conducted at a greater depth to locate a lower threshold of chloride impact. Then, a clay liner will be installed in the previously excavated site in the spill areas around SP7, SP8, and SP9. Confirmation sampling will be conducted. Then, all excavation areas will be backfilled with clean soil. Also, areas outside the battery will be seeded with the appropriate BLM seed mixture.
Remediation Activities:	01/11/2013 to 02/15/2013
Plan Sent to OCD:	09/11/2012 Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	11/14/2012 Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	December '12 Email from Cliff Brunson to Terry Gregston
BLM Approval of Plan:	12/14/2012 Email from Terry Gregston to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 01/12/2011
Final C-141	Signed and sent 3/4/2013
Site Diagram	June 2012 and January 2013
Groundwater Plot	100'
TOPO Maps	January 2013
Lab Summary	Delineation 06/08/2012 & Confirmation 12/28/12 to 01/14/2013
Lab Analysis	Delineation 06/08/2012 & Confirmation 12/28/12 to 01/14/2013
Correspondence	Remediation plan approval-OCD & BLM, Closure-BLM

Request for Closure	
Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.	
Cliff Brunson, President of BBC International Inc.	04/03/2013

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 OXY USA	Contact Kelton Beard
Address 1502 W. Commerce Carlsbad, NM 88220	Telephone No. (O) 575-628-4100
Facility Name DWU Federal # 1	Facility Type Oil Well with Battery
Surface Owner BLM	Mineral Owner _____ Lease No. _____

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	34	19S	28E					Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Prod. Water / Crude Oil	Volume of Release 301 bbls	Volume Recovered 65 bbls
Source of Release Nipple from the bottom of the tank	Date and Hour of Occurrence	Date and Hour of Discovery 1-8-11 @ 12:00 pm
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	
By Whom? Kelton Beard-Oxy	Date and Hour See above	
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. *
Nipple coming off of the Tank battery formed a leak. The well was shut in, tank taken out of service and emptied. A vac-truck was called to pick up the remaining fluid left on the ground

Describe Area Affected and Cleanup Action Taken. *
Area affected was inside the dikes around the tanks and approx. 60 ft. into the pasture. The affected area will be delineated, and a clean-up plan will be submitted for approval.

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: Kelton Beard		Approved by District Supervisor:	
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: kelton_beard@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1-12-11			

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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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	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	DWU Federal #1	Facility Type	Oil Well with Battery

Surface Owner	BLM	Mineral Owner		Lease No.	
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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
J	34	19S	28E					Eddy County, NM

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	301 bbls	Volume Recovered	63 bbls
Source of Release	Nipple from the bottom of the tank	Date and Hour of Occurrence		Date and Hour of Discovery	1/08/2011 @ 12:00 pm
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		
By Whom?	Kelton Beard	Date and Hour	see above		
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.*

Nipple coming off of the tank battery formed a leak. The well was shut in, tank taken out of service, and emptied. A vacuum truck was called to pick up the remaining fluid left on the ground.

Describe Area Affected and Cleanup Action Taken.*

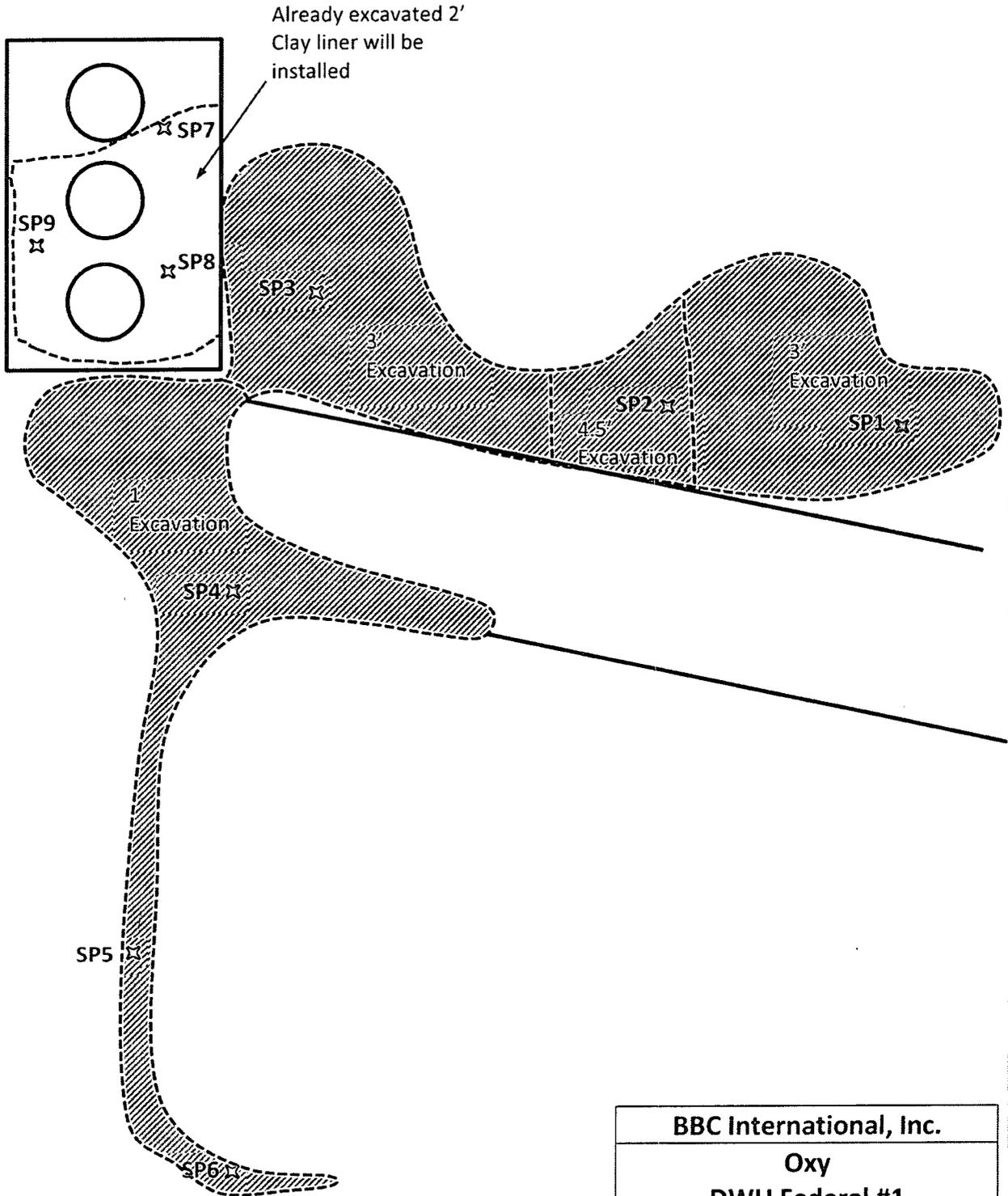
The area affected was inside the dikes around the tanks and approximately 60 feet into the pasture. Remediation was completed in accordance with approved plans from both the NMOCD and the BLM.

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: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher_Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3-4-13	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary

Oxy
DWU Federal #1

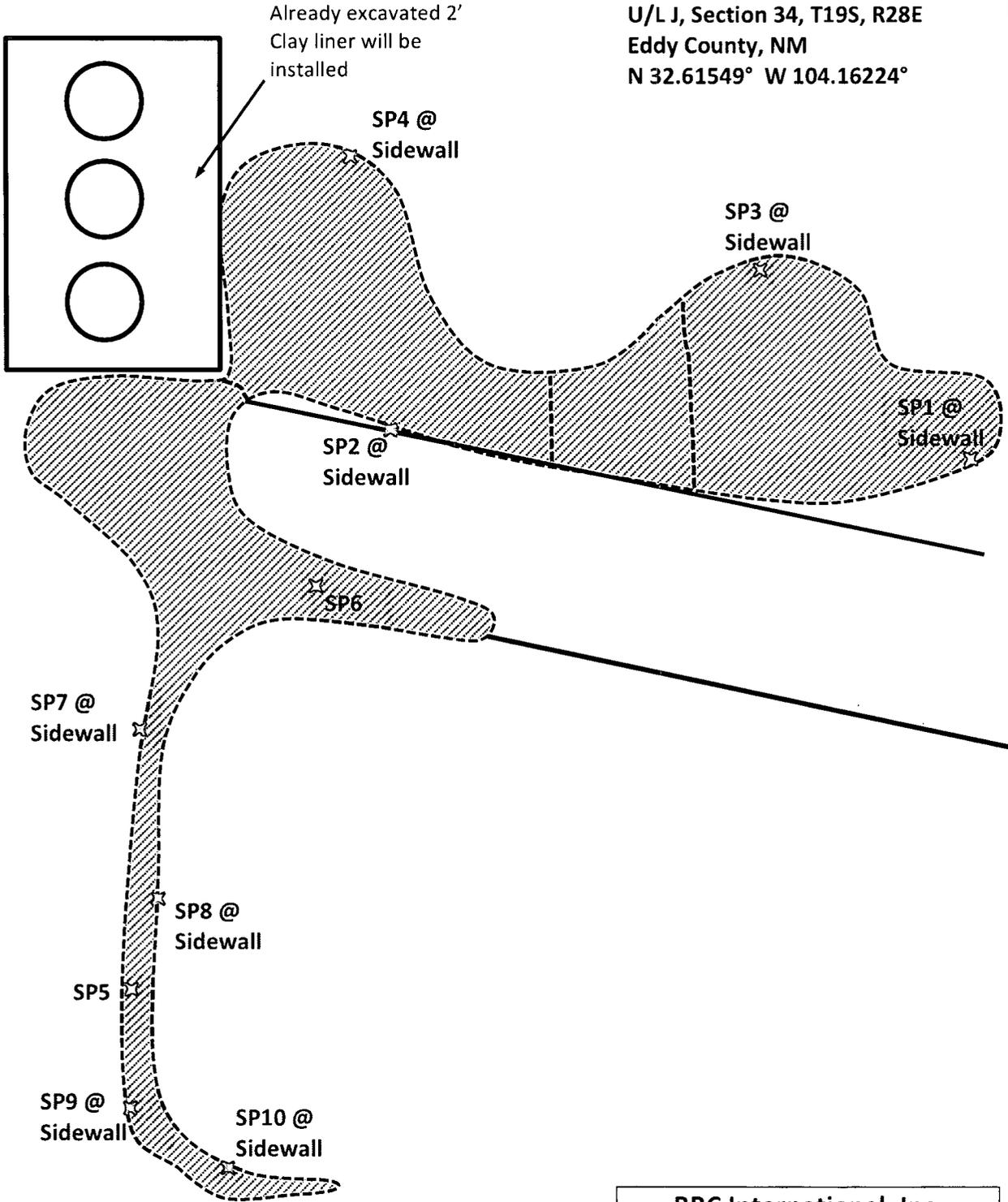


BBC International, Inc.	
Oxy DWU Federal #1	
Date: 06/14/12	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2012



Oxy
DWU Federal #1

U/L J, Section 34, T19S, R28E
Eddy County, NM
N 32.61549° W 104.16224°



X Confirmation samples
(2nd confirmation)

BBC International, Inc.	
Oxy DWU Federal #1	
Date: update 1/07/13	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2012



Groundwater Plot

Oxy DWU Federal #1

County
Eddy

Unit Letter
J

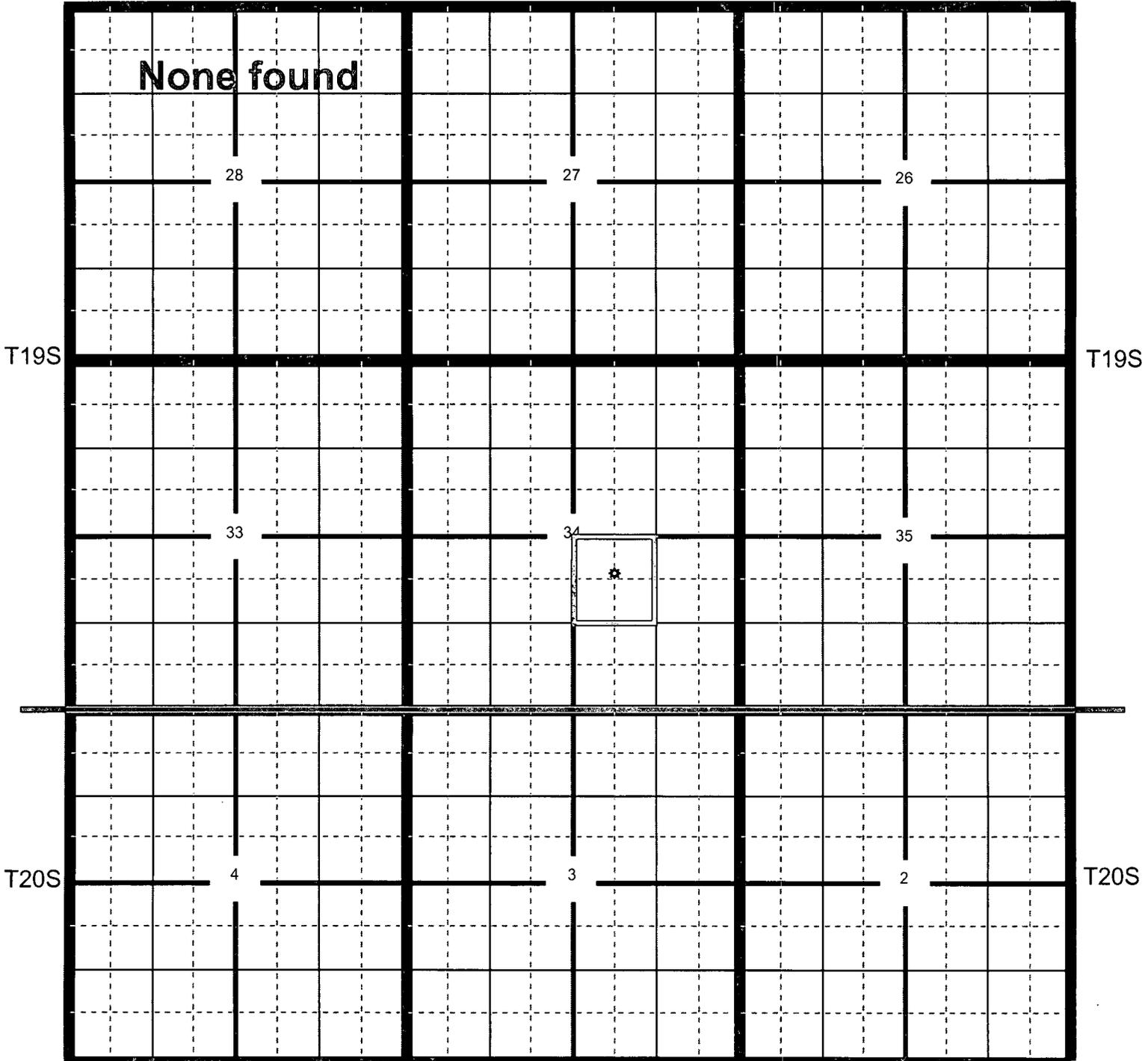
Section
34

Township
19S

Range
28E

Trend Map 100'

R28E



★ Location

○ OCD

○ USGS

○ SEO

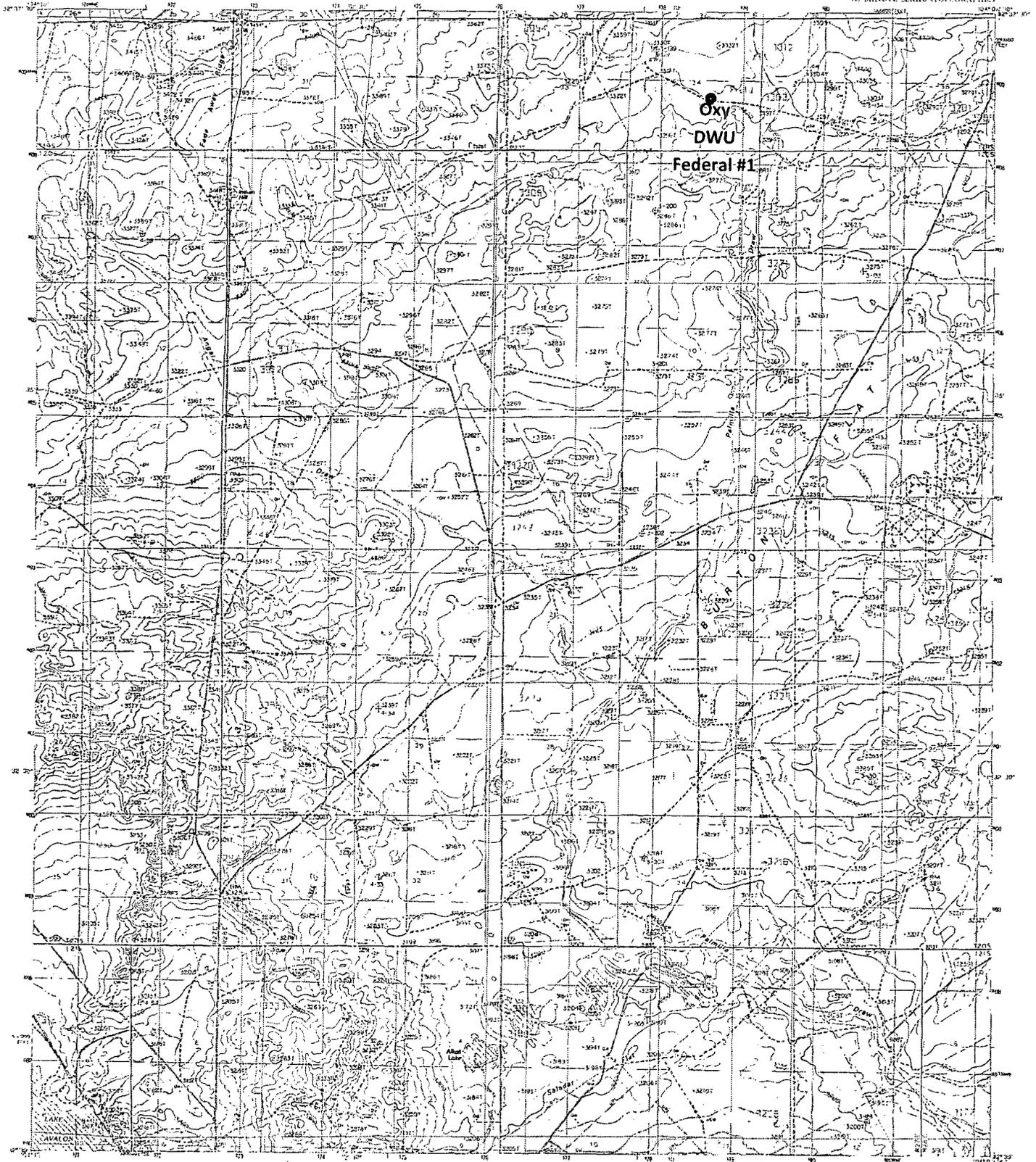
● All Databases

Oxy

DWU Federal #1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ANGEL DRAW QUADRANGLE
NEW MEXICO-HUDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Federal #1

Oxy
DWU

SCALE 1:24,000

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CENTUR INTERVAL IS FEET
SUPPLEMENTAL INTERVAL 5 FEET

ROAD LEGEND

Improved Road
Unimproved Road
Trail
Intersect from U.S. Route

Symbol	Description
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
field check.

THIS MAP IS MADE IN ACCORDANCE WITH NATIONAL MAP ACTUARY STANDARDS
FOR MAPS BY THE GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR BOSTON, VIRGINIA 22062

ANGEL DRAW, NEW MEXICO
PROVISIONAL EDITION 1985

12441274-04

Laboratory Analytical Results Summary
OXY, DWU #1 (Delineation)

Analyte	Method	Sample Date	SP 1 @ Surface	SP 1 @ 2'	SP 1 @ 4'
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.23	<5.00	1.62
Toluene	BTEX 8021B		2.5	57.3	10.3
Ethylbenzene	BTEX 8021B		0.709	21.7	9.18
Total Xylenes	BTEX 8021B		4.02	101	52.3
Chloride	SM4500CI-B		32	<16.0	16
GRO	TPH 8015M		85.2	2090	704
DRO	TPH 8015M		9840	4070	2090

Analyte	Method	Sample Date	SP 2 @ Surface	SP 2 @ 2'	SP 2 @ 4'
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.745	9.61	<5.00
Toluene	BTEX 8021B		13.4	85.6	44.4
Ethylbenzene	BTEX 8021B		5.36	22.5	19.3
Total Xylenes	BTEX 8021B		25.2	111	87.3
Chloride	SM4500CI-B		16	<16.0	16
GRO	TPH 8015M		260	2970	1140
DRO	TPH 8015M		9450	4050	1460

Analyte	Method	Sample Date	SP 3 @ Surface	SP 3 @ 2'	SP 3 @ 4'
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.348	<5.00	0.385
Toluene	BTEX 8021B		5.15	37.7	6.57
Ethylbenzene	BTEX 8021B		1.93	17.8	7.53
Total Xylenes	BTEX 8021B		11.3	85.3	49
Chloride	SM4500CI-B		32	16	32
GRO	TPH 8015M		150	2230	859
DRO	TPH 8015M		11100	4060	2750

Analyte	Method	Sample Date	SP 4 @ Surface	SP 4 @ 1'
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.123	<0.050
Toluene	BTEX 8021B		0.751	<0.050
Ethylbenzene	BTEX 8021B		0.193	<0.050
Total Xylenes	BTEX 8021B		0.889	<0.150
Chloride	SM4500CI-B		80	32
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		3720	11.9

Analyte	Method	Sample Date	SP 5 @ Surface	SP 5 @ 1'
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.079	<0.050
Toluene	BTEX 8021B		1.5	<0.050
Ethylbenzene	BTEX 8021B		0.364	<0.050
Total Xylenes	BTEX 8021B		2.39	<0.150
Chloride	SM4500CI-B		32	16
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		6440	33.4

Analyte	Method	Sample Date	SP 6 @ Surface	SP 6 @ 1'
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.584	0.258
Ethylbenzene	BTEX 8021B		0.211	0.593
Total Xylenes	BTEX 8021B		1.59	1.65
Chloride	SM4500CI-B		16	<16.0
GRO	TPH 8015M		<50	109
DRO	TPH 8015M		7240	1430

Laboratory Analytical Results Summary
OXY, DWU #1 (Delineation)

Analyte	Method	Sample	SP 7 @ 2'	SP 7 @ 4'	SP 7 @ 6'
		Date	6/8/12	6/8/12	6/8/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		1.13	0.126	<0.050
Ethylbenzene	BTEX 8021B		0.942	0.123	<0.050
Total Xylenes	BTEX 8021B		6.25	0.695	<0.150
Chloride	SM4500Cl-B		3440	6480	4480
GRO	TPH 8015M		89.3	23.2	<10.0
DRO	TPH 8015M		5470	2870	24.2

Analyte	Method	Sample	SP 8 @ 10'
		Date	6/8/12
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		0.054
Total Xylenes	BTEX 8021B		0.194
Chloride	SM4500Cl-B		2360
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		535

Analyte	Method	Sample	SP 9 @ 10'
		Date	6/8/12
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		0.191
Chloride	SM4500Cl-B		2440
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		272

Laboratory Analytical Results Summary
Oxy, DWU #1 (Confirmation)

Analyte	Method	Sample Date	SP1 @ 3'	SP1 @
			(BOTTOM)	SIDEWALL
			1/2/13	1/14/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.159	<0.050
Total Xylenes	BTEX 8021B		1.26	<0.150
Total BTEX	BTEX 8021B		1.42	<0.300
Chloride	SM4500CI-B		80	<16.0
GRO	TPH 8015M		15.4	<10.0
DRO	TPH 8015M		378	<10.0

Analyte	Method	Sample Date	SP2 @ 4.5'	SP2 @
			(BOTTOM)	SIDEWALL
			1/2/13	1/14/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.195	<0.050
Total Xylenes	BTEX 8021B		1.56	<0.150
Total BTEX	BTEX 8021B		1.76	<0.300
Chloride	SM4500CI-B		48	<16.0
GRO	TPH 8015M		30	<10.0
DRO	TPH 8015M		738	<10.0

Analyte	Method	Sample Date	SP3 @ 3'	SP3 @
			(BOTTOM)	SIDEWALL
			1/2/13	1/14/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.07	<0.050
Total Xylenes	BTEX 8021B		0.608	<0.150
Total BTEX	BTEX 8021B		0.678	<0.300
Chloride	SM4500CI-B		64	<16.0
GRO	TPH 8015M		22.9	<10.0
DRO	TPH 8015M		704	<10.0

Analyte	Method	Sample Date	SP4 @ 1'	SP4 @
			(BOTTOM)	SIDEWALL
			1/2/13	1/14/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.111	<0.050
Total Xylenes	BTEX 8021B		0.889	<0.150
Total BTEX	BTEX 8021B		1	<0.300
Chloride	SM4500CI-B		64	<16.0
GRO	TPH 8015M		23	<10.0
DRO	TPH 8015M		982	<10.0

Analyte	Method	Sample Date	SP5 @ 1'	SP5 @
			(BOTTOM)	1'6"
			1/2/13	1/14/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.169	<0.050
Total Xylenes	BTEX 8021B		1.39	<0.150
Total BTEX	BTEX 8021B		1.56	<0.300
Chloride	SM4500CI-B		96	<16.0
GRO	TPH 8015M		29.8	<10.0
DRO	TPH 8015M		886	<10.0

Analyte	Method	Sample Date	SP6 @	SP6 @
			SIDEWALL	1'6"
			1/2/13	1/14/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		32	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		864	<10.0

Analyte	Method	Sample Date	SP7 @ 7'	SP7 @	SP7 @
			SIDEWALL	SIDEWALL	SIDEWALL
			12/28/12	1/2/13	1/14/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		N/A	<0.050	<0.050
Toluene	BTEX 8021B		N/A	<0.050	<0.050
Ethylbenzene	BTEX 8021B		N/A	<0.050	<0.050
Total Xylenes	BTEX 8021B		N/A	<0.150	<0.150
Total BTEX	BTEX 8021B		N/A	<0.300	<0.300
Chloride	SM4500CI-B		448	<16.0	<16.0
GRO	TPH 8015M		N/A	<10.0	<10.0
DRO	TPH 8015M		N/A	906	<10.0

Analyte	Method	Sample Date	SP8 @ 11'	SP8 @	SP8 @
			SIDEWALL	SIDEWALL	SIDEWALL
			12/28/12	1/2/13	1/14/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		N/A	<0.050	<0.050
Toluene	BTEX 8021B		N/A	<0.050	<0.050
Ethylbenzene	BTEX 8021B		N/A	<0.050	<0.050
Total Xylenes	BTEX 8021B		N/A	<0.150	<0.150
Total BTEX	BTEX 8021B		N/A	<0.300	<0.300
Chloride	SM4500CI-B		544	<16.0	<16.0
GRO	TPH 8015M		N/A	<10.0	<10.0
DRO	TPH 8015M		N/A	935	<10.0

Analyte	Method	Sample Date	SP9 @ 11'	SP9 @	SP9 @
			SIDEWALL	SIDEWALL	SIDEWALL
			12/28/12	1/2/13	1/14/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		N/A	<0.050	<0.050
Toluene	BTEX 8021B		N/A	<0.050	<0.050
Ethylbenzene	BTEX 8021B		N/A	<0.050	<0.050
Total Xylenes	BTEX 8021B		N/A	<0.150	<0.150
Total BTEX	BTEX 8021B		N/A	<0.300	<0.300
Chloride	SM4500CI-B		384	<16.0	<16.0
GRO	TPH 8015M		N/A	<10.0	<10.0
DRO	TPH 8015M		N/A	880	<10.0

Analyte	Method	Sample Date	SP10 @	SP10 @
			SIDEWALL	SIDEWALL
			1/2/13	1/14/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.117	<0.050
Total Xylenes	BTEX 8021B		0.834	<0.150
Total BTEX	BTEX 8021B		0.951	<0.300
Chloride	SM4500CI-B		<16.0	<16.0
GRO	TPH 8015M		21.1	<10.0
DRO	TPH 8015M		896	<10.0

Analyte	Method	Sample Date	SP11 @
			SIDEWALL
			1/2/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		0.09
Total Xylenes	BTEX 8021B		0.644
Total BTEX	BTEX 8021B		0.734
Chloride	SM4500CI-B		32
GRO	TPH 8015M		12.9
DRO	TPH 8015M		780

Analyte	Method	Sample Date	SP12 @
			SIDEWALL
			1/2/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		0.072
Total Xylenes	BTEX 8021B		0.624
Total BTEX	BTEX 8021B		0.696
Chloride	SM4500CI-B		64
GRO	TPH 8015M		30.8
DRO	TPH 8015M		1340

Analyte	Method	Sample Date	SP13 @
			SIDEWALL
			1/2/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500CI-B		32
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		978

June 18, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: DWU FED #1

Enclosed are the results of analyses for samples received by the laboratory on 06/11/12 16:45.

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: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ SURFACE (H201308-01)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.230	0.050	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	2.50	0.050	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	0.709	0.050	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	4.02	0.150	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIC) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	85.2	50.0	06/12/2012	ND	176	88.0	200	4.28			
DRO >C10-C28	9840	50.0	06/12/2012	ND	172	86.2	200	7.49			

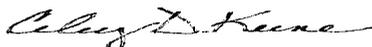
Surrogate: 1-Chlorooctane 99.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 616 % 63.6-154

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: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ 2' (H201308-02)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<5.00	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	57.3	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	21.7	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	101	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	2090	50.0	06/12/2012	ND	176	88.0	200	4.28			
DRO >C10-C28	4070	50.0	06/12/2012	ND	172	86.2	200	7.49			

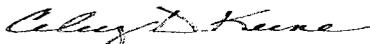
Surrogate: 1-Chlorooctane 181 % 65.2-140

Surrogate: 1-Chlorooctadecane 178 % 63.6-154

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* = Accredited Analyte

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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: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ 4' (H201308-03)

BTEX 8021B		mg/kg		Analyzed By: ZZZ					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.62	1.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	10.3	1.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	9.18	1.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	52.3	3.00	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIL) 136 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2012	ND	416	104	400	0.00		

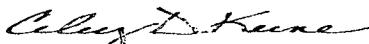
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	704	50.0	06/12/2012	ND	176	88.0	200	4.28		
DRO >C10-C28	2090	50.0	06/12/2012	ND	172	86.2	200	7.49		

Surrogate: 1-Chlorooctane 132 % 65.2-140
Surrogate: 1-Chlorooctadecane 146 % 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: (505) 397-0397

 Received: 06/11/2012
 Reported: 06/18/2012
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 06/08/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ SURFACE (H201308-04)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.745	0.050	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	13.4	0.050	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	5.36	0.050	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	25.2	0.150	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	260	50.0	06/12/2012	ND	176	88.0	200	4.28			
DRO >C10-C28	9450	50.0	06/12/2012	ND	172	86.2	200	7.49			

Surrogate: 1-Chlorooctane 95.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 590 % 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: (505) 397-0397

Received: 06/11/2012
 Reported: 06/18/2012
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

Sampling Date: 06/08/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H201308-05)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	9.61	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	85.6	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	22.5	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	111	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIC) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	2970	50.0	06/12/2012	ND	176	88.0	200	4.28			
DRO >C10-C28	4050	50.0	06/12/2012	ND	172	86.2	200	7.49			

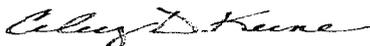
Surrogate: 1-Chlorooctane 182 % 65.2-140

Surrogate: 1-Chlorooctadecane 172 % 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: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 2 @ 4' (H201308-06)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<5.00	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	44.4	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	19.3	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	87.3	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1140	10.0	06/12/2012	ND	176	88.0	200	4.28		
DRO >C10-C28	1460	10.0	06/12/2012	ND	172	86.2	200	7.49		

Surrogate: 1-Chlorooctane 131 % 65.2-140

Surrogate: 1-Chlorooctadecane 133 % 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: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 3 @ SURFACE (H201308-07)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.348	0.050	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	5.15	0.050	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	1.93	0.050	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	11.3	0.150	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIL) 125 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	150	50.0	06/13/2012	ND	181	90.7	200	0.771			
DRO >C10-C28	11100	50.0	06/13/2012	ND	181	90.5	200	1.21			

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 277 % 63.6-154

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Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

 Received: 06/11/2012
 Reported: 06/18/2012
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 06/08/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2' (H201308-08)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<5.00	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	37.7	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	17.8	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	85.3	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIC) 121 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							5-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	2230	50.0	06/13/2012	ND	181	90.7	200	0.771			
DRO >C10-C28	4060	50.0	06/13/2012	ND	181	90.5	200	1.21			

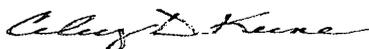
Surrogate: 1-Chlorooctane 178 % 65.2-140

Surrogate: 1-Chlorooctadecane 183 % 63.6-154

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: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 3 @ 4' (H201308-09)

BTEX 8021B		mg/kg		Analyzed By: ZZZ					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.385	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	6.57	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	7.53	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	49.0	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIL) 192 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	859	50.0	06/13/2012	ND	181	90.7	200	0.771		
DRO >C10-C28	2750	50.0	06/13/2012	ND	181	90.5	200	1.21		

Surrogate: 1-Chlorooctane 148 % 65.2-140

Surrogate: 1-Chlorooctadecane 167 % 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: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 4 @ SURFACE (H201308-10)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.123	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	0.751	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	0.193	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	0.889	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<50.0	50.0	06/13/2012	ND	181	90.7	200	0.771			
DRO >C10-C28	3720	50.0	06/13/2012	ND	181	90.5	200	1.21			

Surrogate: 1-Chlorooctane 96.7 % 65.2-140
Surrogate: 1-Chlorooctadecane 229 % 63.6-154

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Analytical Results For:

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Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 4 @ 1' (H201308-11)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	<0.050	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	<0.050	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	<0.150	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/13/2012	ND	181	90.7	200	0.771		
DRO >C10-C28	11.9	10.0	06/13/2012	ND	181	90.5	200	1.21		

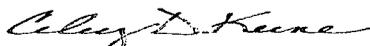
Surrogate: 1-Chlorooctane 89.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Analytical Results For:

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 Hobbs NM, 88241
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 Received: 06/11/2012
 Reported: 06/18/2012
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 06/08/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 @ SURFACE (H201308-12)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.079	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	1.50	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	0.364	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	2.39	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<50.0	50.0	06/13/2012	ND	181	90.7	200	0.771			
DRO >C10-C28	6440	50.0	06/13/2012	ND	181	90.5	200	1.21			

Surrogate: 1-Chlorooctane 99.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 266 % 63.6-154

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Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 5 @ 1' (H201308-13)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	<0.050	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	<0.050	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	<0.150	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/13/2012	ND	181	90.7	200	0.771		
DRO >C10-C28	33.4	10.0	06/13/2012	ND	181	90.5	200	1.21		

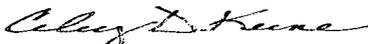
Surrogate: 1-Chlorooctane 97.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 6 @ SURFACE (H201308-14)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	0.584	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	0.211	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	1.59	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<50.0	50.0	06/13/2012	ND	181	90.7	200	0.771			
DRO >C10-C28	7240	50.0	06/13/2012	ND	181	90.5	200	1.21			

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 222 % 63.6-154

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 Fax To: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 6 @ 1' (H201308-15)

BTEX 8021B		mg/kg		Analyzed By: ZZZ				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	0.258	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	0.593	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	1.65	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIL) 165 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	109	10.0	06/13/2012	ND	181	90.7	200	0.771		
DRO >C10-C28	1430	10.0	06/13/2012	ND	181	90.5	200	1.21		

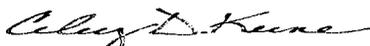
Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 142 % 63.6-154

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Analytical Results For:

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ 2' (H201308-16)

BTEX 8021B		mg/kg		Analyzed By: ZZZ				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	1.13	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	0.942	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	6.25	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIL) 139 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	89.3	10.0	06/13/2012	ND	181	90.7	200	0.771		
DRO >C10-C28	5470	10.0	06/13/2012	ND	181	90.5	200	1.21		

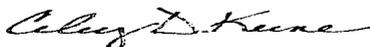
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 257 % 63.6-154

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Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ 4' (H201308-17)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	0.126	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	0.123	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	0.695	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	23.2	10.0	06/13/2012	ND	181	90.7	200	0.771			
DRO >C10-C28	2870	10.0	06/13/2012	ND	181	90.5	200	1.21			

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 172 % 63.6-154

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Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ 6' (H201308-18)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	<0.050	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	<0.050	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	<0.150	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/13/2012	ND	181	90.7	200	0.771		
DRO >C10-C28	24.2	10.0	06/13/2012	ND	181	90.5	200	1.21		

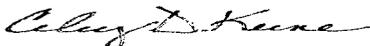
Surrogate: 1-Chlorooctane 94.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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: (505) 397-0397

Received:	06/11/2012	Sampling Date:	06/08/2012
Reported:	06/18/2012	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 8 @ 10' (H201308-19)

BTEX 8021B	mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196	
Toluene*	<0.050	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871	
Ethylbenzene*	0.054	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591	
Total Xylenes*	0.194	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56	

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 89.4-126

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	06/13/2012	ND	416	104	400	0.00	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/13/2012	ND	181	90.7	200	0.771	
DRO >C10-C28	535	10.0	06/13/2012	ND	181	90.5	200	1.21	

Surrogate: 1-Chlorooctane 95.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 128 % 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: (505) 397-0397

 Received: 06/11/2012
 Reported: 06/18/2012
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 06/08/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 9 @ 10' (H201308-20)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.86	92.9	2.00	0.0196		
Toluene*	<0.050	0.050	06/15/2012	ND	1.86	93.1	2.00	0.871		
Ethylbenzene*	<0.050	0.050	06/15/2012	ND	1.88	94.1	2.00	0.591		
Total Xylenes*	0.191	0.150	06/15/2012	ND	5.77	96.1	6.00	2.56		

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	06/13/2012	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/13/2012	ND	181	90.7	200	0.771		
DRO >C10-C28	272	10.0	06/13/2012	ND	181	90.5	200	1.21		

Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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



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: <i>STATE</i>													
Project #: Project Owner: <i>OXU</i>		City:													
Project Name: <i>Dwd Fed #1</i>		State: Zip:													
Project Location: <i>Cambria NM</i>		Phone #:													
Sampler Name: <i>Roger Hernandez</i>		Fax #:													

FOR LAB USE ONLY		(C)IRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		SAMPLING		TPH	BTEX	CL
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
<i>H201308</i>															
<i>1</i>	<i>SP1 @ Surface</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>915</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>2</i>	<i>2</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>928</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>3</i>	<i>4</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>947</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>4</i>	<i>SP2 @ Surface</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>1015</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>5</i>	<i>2</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>1036</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>6</i>	<i>4</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>1059</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>7</i>	<i>SP3 @ Surface</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>1109</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>8</i>	<i>2</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>1130</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>9</i>	<i>4</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>1146</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>10</i>	<i>SP4 @ Surface</i>	<i>6</i>	<i>1</i>			<i>✓</i>			<i>✓</i>		<i>6.8.12</i>	<i>1210</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>

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Relinquished By: <i>Roger Hernandez</i>	Date: <i>6.8.12</i> Time: <i>7:30</i>	Received By: <i>Ima Hoff</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Ima Hoff</i>	Date: <i>6/11/12</i> Time: <i>4:45</i>	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>59</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:	
		Checked By: (Initials) <i>JA</i>		

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

#26



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: OKJ		City:													
Project Name: Oil Fed #1		State: Zip:													
Project Location: Oilfield WAA		Phone #:													
Sampler Name: Wgen		Fax #:													

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	TPH	BTEX	PC
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:						
H201308																	
11	SP4 @ 1'	G			/				/			6-8-12	12:19	-	-	-	
12	SP5 @ surface	G			/				/			6-8-12	12:25	-	-	-	
13	1'	G			/				/			6-8-12	12:35	-	-	-	
14	SP6 @ surface	G			/				/			6-8-12	12:48	-	-	-	
15	1'	G			/				/			6-8-12	12:55	-	-	-	
16	SP7 @ 2'	G			/				/			6-8-12	11:3	-	-	-	
17	4'	G			/				/			6-8-12	12:5	-	-	-	
18	6'	G			/				/			6-8-12	14:9	-	-	-	
19	SP8 @ 10'	G			/				/			6-8-12	2:5	-	-	-	
20	SP9 @ 10'	G			/				/			6-8-12	2:35	-	-	-	

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Relinquished By: <i>Alisa Hernandez</i>	Date: 6-11-12	Received By: <i>Israel Perea</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Israel Perea</i>	Date: 6-11-12	Received By: <i>Jade Henson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	50	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: <i>(initials)</i>	
REMARKS:				

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

#26

January 10, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: DWU FED #1

Enclosed are the results of analyses for samples received by the laboratory on 01/03/13 8:55.

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:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ 3' (H300011-01)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.159	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	1.26	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	1.42	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 145 % 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	80.0	16.0	01/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	15.4	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	378	10.0	01/10/2013	ND	234	117	200	3.68		

Surrogate: 1-Chlorooctane 72.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 76.9 % 63.6-154

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:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 2 @ 4.5' (H300011-02)

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.195	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	1.56	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	1.76	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 149 % 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	48.0	16.0	01/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	30.0	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	738	10.0	01/10/2013	ND	234	117	200	3.68		

Surrogate: 1-Chlorooctane 87.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.1 % 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: 01/03/2013
 Reported: 01/10/2013
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 01/02/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3' (H300011-03)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.070	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	0.608	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	0.678	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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	64.0	16.0	01/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	22.9	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	704	10.0	01/10/2013	ND	234	117	200	3.68		

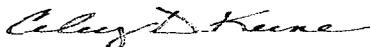
Surrogate: 1-Chlorooctane 90.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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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: 01/03/2013
 Reported: 01/10/2013
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 01/02/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 1' (H300011-04)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.111	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	0.889	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	1.00	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 144 % 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	64.0	16.0	01/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	23.0	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	982	10.0	01/10/2013	ND	234	117	200	3.68		

Surrogate: 1-Chlorooctane 90.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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 Hobbs NM, 88241
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Received:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 5 @ 1' (H300011-05)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.169	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	1.39	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	1.56	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 153 % 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	96.0	16.0	01/03/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	29.8	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	886	10.0	01/10/2013	ND	234	117	200	3.68		

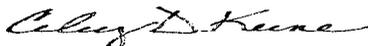
Surrogate: 1-Chlorooctane 93.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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

 Received: 01/03/2013
 Reported: 01/10/2013
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 01/02/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ SW (H300011-06)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	<0.050	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	<0.150	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	<0.300	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 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	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	864	10.0	01/10/2013	ND	234	117	200	3.68		

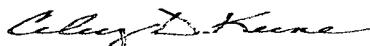
Surrogate: 1-Chlorooctane 87.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Received:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ SW (H300011-07)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	<0.050	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	<0.150	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	<0.300	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 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	<16.0	16.0	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	906	10.0	01/10/2013	ND	234	117	200	3.68		

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Received:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 8 @ SW (H300011-08)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	<0.050	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	<0.150	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	<0.300	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 122 % 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	<16.0	16.0	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	935	10.0	01/10/2013	ND	234	117	200	3.68		

Surrogate: 1-Chlorooctane 84.9 % 65.2-140
Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Received:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 9 @ SW (H300011-09)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	<0.050	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	<0.150	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	<0.300	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 122 % 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	<16.0	16.0	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	880	10.0	01/10/2013	ND	234	117	200	3.68		

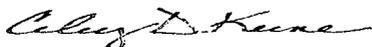
Surrogate: 1-Chlorooctane 84.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Analytical Results For:

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

 Received: 01/03/2013
 Reported: 01/10/2013
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 01/02/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 10 @ SW (H300011-10)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.117	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	0.834	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	0.951	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 137 % 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	<16.0	16.0	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	21.1	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	896	10.0	01/10/2013	ND	234	117	200	3.68		

Surrogate: 1-Chlorooctane 87.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Received:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 11 @ SW (H300011-11)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.090	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	0.644	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	0.734	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 134 % 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	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	12.9	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	780	10.0	01/10/2013	ND	234	117	200	3.68		

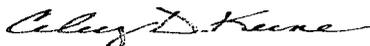
Surrogate: 1-Chlorooctane 90.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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 Received: 01/03/2013
 Reported: 01/10/2013
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 01/02/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 12 @ SW (H300011-12)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.072	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	0.624	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	0.696	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 136 % 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	64.0	16.0	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	30.8	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	1340	10.0	01/10/2013	ND	234	117	200	3.68		

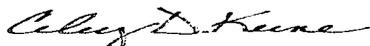
Surrogate: 1-Chlorooctane 91.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 13 @ SW (H300011-13)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	<0.050	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	<0.150	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	<0.300	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 122 % 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	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	978	10.0	01/10/2013	ND	234	117	200	3.68		

Surrogate: 1-Chlorooctane 84.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

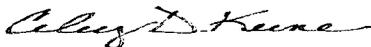
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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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*=Accredited Analyte

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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: <i>SAME</i>																		
Project #:		Project Owner: <i>OFF</i>																		
Project Name: <i>Dull Fed #1</i>		State: Zip:																		
Project Location:		Phone #:																		
Sampler Name: <i>Rogio Hernandez</i>		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						
<i>H300011</i>																				
	<i>1 SP 1 @ 3</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-2-13</i>	<i>1100</i>	<i>✓</i>					
	<i>2 SP 2 @ 4.5</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-9-13</i>	<i>1115</i>	<i>✓</i>					
	<i>3 SP 3 @ 3</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-9-13</i>	<i>1130</i>	<i>✓</i>					
	<i>4 SP 4 @ 1</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-2-13</i>	<i>1145</i>	<i>✓</i>					
	<i>5 SP 5 @ 1</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-2-13</i>	<i>1200</i>	<i>✓</i>					
	<i>6 SP 6 @ SW</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-2-13</i>	<i>1215</i>	<i>✓</i>					
	<i>7 SP 7 @ SW</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-2-13</i>	<i>1230</i>	<i>✓</i>					
	<i>8 SP 8 @ SW</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-2-13</i>	<i>1245</i>	<i>✓</i>					
	<i>9 SP 9 @ SW</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-2-13</i>	<i>1259</i>	<i>✓</i>					
	<i>10 SP 10 @ SW</i>	<i>A</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>1-2-13</i>	<i>115</i>	<i>✓</i>					

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Relinquished By: <i>Rogio Hernandez</i>	Date: <i>1-2-13</i>	Received By: <i>Imael Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>5:00</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Imael Pena</i>	Date: <i>1-3-13</i>	Received By: <i>Jodi Benson</i>	REMARKS: <i>* added 1/7 as per Jennifer.</i>	
	Time: <i>5:55</i>			
Delivered By: (Circle One)	Sample Condition	Checked By: <i>JH</i>		
Sampler - UPS - Bus - Other:	<i>0.0°C</i>	Cool Intact		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		

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

#26



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: <i>SAME</i>															
Project #: Project Owner: <i>EXY</i>		City:															
Project Name: <i>D&W Fed #1</i>		State: Zip:															
Project Location:		Phone #:															
Sampler Name: <i>Water Nanometer</i>		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING		<i>CHLORIDE</i>	<i>BTEX 8021 *</i>	<i>TPH 8015 *</i>			
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL				OTHER:	DATE	TIME
<i>H300011</i>																	
<i>11</i>	<i>SP 11 e SW</i>	<i>G</i>	<i>1</i>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>					<i>1-2-13</i>	<i>130</i>
<i>12</i>	<i>SP 12 e SW</i>	<i>G</i>	<i>1</i>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<i>1-2-13</i>	<i>145</i>			
<i>13</i>	<i>SP 13 e SW</i>	<i>G</i>	<i>1</i>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<i>1-2-13</i>	<i>100</i>			

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Relinquished By: <i>Koopa Hengst</i>	Date: <i>1-2-13</i> Time: <i>5:00</i>	Received By: <i>Shael Penn</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Shael Penn</i>	Date: <i>1-3-13</i> Time: <i>6:55</i>	Received By: <i>Goede Nenson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>UPS</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <i>0.0°C</i>	CHECKED BY: <i>GH</i>	REMARKS:	

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

#26



ARDINAL 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: SAFE													
Project #: Project Owner: DXU		City:													
Project Name: Oil Field #1		State: Zip:													
Project Location:		Phone #:													
Sampler Name:		Fax #:													

FOR LAB USE ONLY		(G/RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	ANALYSIS
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:				
H300011		1			✓				✓			12-28	1000	✓	CHLORIDE
14 SP 7 @ 7'		1			✓				✓			12-28	1010	✓	
15 SP 8 @ 11'		1			✓				✓			12-28	1040	✓	
16 SP 9 @ 11'		1			✓				✓			12-28	1040	✓	

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Relinquished By: <i>Royce Hernandez</i>	Date: <i>12-28-12</i> Time: <i>5:00</i>	Received By: <i>Israel Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: <i>Israel Pena</i>	Date: <i>1-3-13</i> Time: <i>8:55</i>	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>0.0°C</i>	Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>JH</i>	REMARKS:

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

#76



January 21, 2013

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

RE: DWU FED #1

Enclosed are the results of analyses for samples received by the laboratory on 01/15/13 8:15.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/15/2013	Sampling Date:	01/14/2013
Reported:	01/21/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ SIDEWALL (H300092-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2013	ND	2.31	116	2.00	9.27		
Toluene*	<0.050	0.050	01/18/2013	ND	1.98	98.9	2.00	8.91		
Ethylbenzene*	<0.050	0.050	01/18/2013	ND	2.12	106	2.00	8.90		
Total Xylenes*	<0.150	0.150	01/18/2013	ND	6.51	109	6.00	8.17		
Total BTEX	<0.300	0.300	01/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 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	<16.0	16.0	01/17/2013	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2013	ND	204	102	200	8.39		
DRO >C10-C28	<10.0	10.0	01/16/2013	ND	220	110	200	11.0		

Surrogate: 1-Chlorooctane 78.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.1 % 63.6-154

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:	01/15/2013	Sampling Date:	01/14/2013
Reported:	01/21/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 2 @ SIDEWALL (H300092-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2013	ND	2.31	116	2.00	9.27		
Toluene*	<0.050	0.050	01/18/2013	ND	1.98	98.9	2.00	8.91		
Ethylbenzene*	<0.050	0.050	01/18/2013	ND	2.12	106	2.00	8.90		
Total Xylenes*	<0.150	0.150	01/18/2013	ND	6.51	109	6.00	8.17		
Total BTEX	<0.300	0.300	01/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/16/2013	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2013	ND	204	102	200	8.39		
DRO >C10-C28	<10.0	10.0	01/16/2013	ND	220	110	200	11.0		

Surrogate: 1-Chlorooctane 77.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.5 % 63.6-154

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:	01/15/2013	Sampling Date:	01/14/2013
Reported:	01/21/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 3 @ SIDEWALL (H300092-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2013	ND	2.31	116	2.00	9.27		
Toluene*	<0.050	0.050	01/18/2013	ND	1.98	98.9	2.00	8.91		
Ethylbenzene*	<0.050	0.050	01/18/2013	ND	2.12	106	2.00	8.90		
Total Xylenes*	<0.150	0.150	01/18/2013	ND	6.51	109	6.00	8.17		
Total BTEX	<0.300	0.300	01/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 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	<16.0	16.0	01/16/2013	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2013	ND	188	93.8	200	6.01		
DRO >C10-C28	<10.0	10.0	01/16/2013	ND	196	98.2	200	6.49		

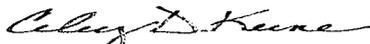
Surrogate: 1-Chlorooctane 80.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.8 % 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:	01/15/2013	Sampling Date:	01/14/2013
Reported:	01/21/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 4 @ SIDEWALL (H300092-04)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2013	ND	2.31	116	2.00	9.27		
Toluene*	<0.050	0.050	01/18/2013	ND	1.98	98.9	2.00	8.91		
Ethylbenzene*	<0.050	0.050	01/18/2013	ND	2.12	106	2.00	8.90		
Total Xylenes*	<0.150	0.150	01/18/2013	ND	6.51	109	6.00	8.17		
Total BTEX	<0.300	0.300	01/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 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	<16.0	16.0	01/16/2013	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2013	ND	188	93.8	200	6.01		
DRO >C10-C28	<10.0	10.0	01/16/2013	ND	196	98.2	200	6.49		

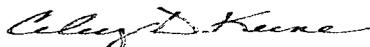
Surrogate: 1-Chlorooctane 79.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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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:	01/15/2013	Sampling Date:	01/14/2013
Reported:	01/21/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 5 @ 1' 6" (H300092-05)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2013	ND	2.31	116	2.00	9.27		
Toluene*	<0.050	0.050	01/18/2013	ND	1.98	98.9	2.00	8.91		
Ethylbenzene*	<0.050	0.050	01/18/2013	ND	2.12	106	2.00	8.90		
Total Xylenes*	<0.150	0.150	01/18/2013	ND	6.51	109	6.00	8.17		
Total BTEX	<0.300	0.300	01/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 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	<16.0	16.0	01/17/2013	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2013	ND	188	93.8	200	6.01		
DRO >C10-C28	<10.0	10.0	01/16/2013	ND	196	98.2	200	6.49		

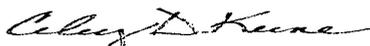
Surrogate: 1-Chlorooctane 80.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.0 % 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:	01/15/2013	Sampling Date:	01/14/2013
Reported:	01/21/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool& Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 6 @ 1'6" (H300092-06)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2013	ND	2.31	116	2.00	9.27		
Toluene*	<0.050	0.050	01/18/2013	ND	1.98	98.9	2.00	8.91		
Ethylbenzene*	<0.050	0.050	01/18/2013	ND	2.12	106	2.00	8.90		
Total Xylenes*	<0.150	0.150	01/18/2013	ND	6.51	109	6.00	8.17		
Total BTEX	<0.300	0.300	01/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 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	<16.0	16.0	01/17/2013	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2013	ND	188	93.8	200	6.01		
DRO >C10-C28	<10.0	10.0	01/16/2013	ND	196	98.2	200	6.49		

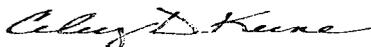
Surrogate: 1-Chlorooctane 75.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.8 % 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:	01/15/2013	Sampling Date:	01/14/2013
Reported:	01/21/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ SIDEWALL (H300092-07)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2013	ND	2.31	116	2.00	9.27		
Toluene*	<0.050	0.050	01/18/2013	ND	1.98	98.9	2.00	8.91		
Ethylbenzene*	<0.050	0.050	01/18/2013	ND	2.12	106	2.00	8.90		
Total Xylenes*	<0.150	0.150	01/18/2013	ND	6.51	109	6.00	8.17		
Total BTEX	<0.300	0.300	01/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 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	<16.0	16.0	01/17/2013	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2013	ND	188	93.8	200	6.01		
DRO >C10-C28	<10.0	10.0	01/16/2013	ND	196	98.2	200	6.49		

Surrogate: 1-Chlorooctane 78.6 % 65.2-140
Surrogate: 1-Chlorooctadecane 93.7 % 63.6-154

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Analytical Results For:

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Received:	01/15/2013	Sampling Date:	01/14/2013
Reported:	01/21/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 8 @ SIDEWALL (H300092-08)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2013	ND	2.31	116	2.00	9.27		
Toluene*	<0.050	0.050	01/18/2013	ND	1.98	98.9	2.00	8.91		
Ethylbenzene*	<0.050	0.050	01/18/2013	ND	2.12	106	2.00	8.90		
Total Xylenes*	<0.150	0.150	01/18/2013	ND	6.51	109	6.00	8.17		
Total BTEX	<0.300	0.300	01/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 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	<16.0	16.0	01/17/2013	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2013	ND	188	93.8	200	6.01		
DRO >C10-C28	<10.0	10.0	01/16/2013	ND	196	98.2	200	6.49		

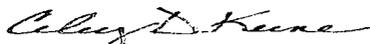
Surrogate: 1-Chlorooctane 75.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.6 % 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:	01/03/2013	Sampling Date:	01/02/2013
Reported:	01/10/2013	Sampling Type:	Soil
Project Name:	DWU FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 9 @ SW (H300011-09)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	<0.050	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	<0.150	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	<0.300	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 122 % 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	<16.0	16.0	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	880	10.0	01/10/2013	ND	234	117	200	3.68		

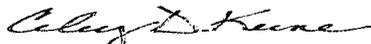
Surrogate: 1-Chlorooctane 84.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 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: 01/03/2013
 Reported: 01/10/2013
 Project Name: DWU FED #1
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NEW MEXICO

 Sampling Date: 01/02/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 10 @ SW (H300011-10)

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2013	ND	1.67	83.6	2.00	27.0		
Toluene*	<0.050	0.050	01/08/2013	ND	1.83	91.4	2.00	26.7		
Ethylbenzene*	0.117	0.050	01/08/2013	ND	1.76	87.9	2.00	26.4		
Total Xylenes*	0.834	0.150	01/08/2013	ND	5.36	89.3	6.00	25.9		
Total BTEX	0.951	0.300	01/08/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 137 % 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	<16.0	16.0	01/07/2013	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	21.1	10.0	01/10/2013	ND	211	105	200	0.827		
DRO >C10-C28	896	10.0	01/10/2013	ND	234	117	200	3.68		

Surrogate: 1-Chlorooctane 87.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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* = Accredited Analyte

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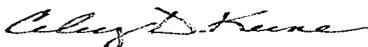
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Wednesday, November 14, 2012 4:20 PM
To: Cliff P. Brunson
Cc: Chris Jones; Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject: RE: Oxy-DWU Federal #1

Reference: OXY USA * DWU Federal 1 * 30-015-20799 * J-34-19s-28e * Eddy County, New Mexico
OCD Tracking Number: 2RP-1402 * Date of release: unknown at this time

Cliff,

Your proposal for remediation of the above referenced release is approved with the following conditions/stipulations:

- Notify OCD 48 hours prior to commencement of remedial operations.
- Notify OCD 48 hours prior to obtaining samples where the analyses will be submitted to OCD.
- Obtain representative confirmation samples of bottom and sidewalls of excavations outside of battery and test for TPH/BTEX.
- The area identified as SP2 will require deeper excavation than the proposed 3 feet due to total BTEX levels above acceptable limits at the 4 foot interval.
- Deeper delineation for chlorides will be required in the battery area (areas identified as SP7, SP8 and SP9).
- Submit a closure report and Form C-141 marked Final Report upon satisfactory completion of project.
- Approval by BLM and/or any other regulatory authority as may be applicable.

It is OCD's understanding that contamination at this site is from an older release. Please submit a Form C-141 marked Initial Report for the release. If a C-141 has been previously submitted, please provide a copy of that form.

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

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

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Tuesday, September 11, 2012 7:06 PM
To: Bratcher, Mike, EMNRD
Cc: Chris Jones; Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject: Oxy-DWU Federal #1

Mike,

This e-mail is to confirm our discussion on September 5, 2012 concerning the remediation plan for the release that occurred at the Oxy DWU Federal #1. As agreed, Oxy will excavate 3 feet in the areas covered by SP1 - SP3 and will excavate to a depth of 1 foot in the areas covered by SP4 - SP6 as depicted on the attached site diagram. In addition, inside the tank battery berm area, a compacted clay liner will be installed in the previously excavated 2 foot area then backfilled. The excavation will then be backfilled with clean soil. The depth to groundwater in this area is approximately 100 feet.

I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

Oxy and I thank you for your assistance in handling this matter.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
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Kathy Purvis

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Friday, December 14, 2012 11:26 AM
To: Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: FW: Undesirable Event: 11NU028TG, DWU Federal 1: cleanup plan approval stipulations

From: Terry Gregston <tgregsto@blm.gov>
Date: Friday, December 14, 2012 11:13 AM
To: Chris Jones <Christopher.Jones@oxy.com>, Mike Bratcher <mike.bratcher@state.nm.us>
Cc: Cliff Brunson <cbrunson@bbcinternational.com>
Subject: Undesirable Event: 11NU028TG, DWU Federal 1: cleanup plan approval stipulations

Mr. Jones, Mr. Brunson,

This notification is in regard to the following location and undesirable event:

Event Number: 11NU028TG
Event Date: 1/8/2011
Event Name: DWU Federal 1
Legals: T19S/R28E, sec. 34, NWSE

The submitted cleanup plan for the above location is approved with the following conditions of approval:

Notification Stipulations:

- 1. A copy of the cleanup plan and conditions of approval must be given to the contractor or site work personnel and be present on the location during all cleanup operations.**
- 2. The authorized officer must be notified at the following phases of cleanup or conditions:**
 - a. Prior to moving equipment on location for cleanup
 - b. When the excavation is nearing completion and a BLM inspection of the excavation or witnessing of sampling is required by the cleanup plan COA's.
 - c. When the cleanup work is nearing completion and to schedule a final onsite prior to removal of equipment.
 - d. Three days before the site is seeded.
 - e. Any time that a variance of the approved plan or conditions of approval is required.
 - f. In the event that you encounter excavation difficulties, unexpected void areas, or archeological artifacts the Authorized Officer must be contacted immediately. An onsite may be required to assess the situation.
3. The authorized officer on this undesirable event case is:

Terry Gregston
(575) 361-2635
tgregsto@blm.gov

Plan Implementation:

1. Cleanup actions must be initiated within **30** days of plan approval.

Archeology Stipulations:

1. There are no known archeological issues on this location.

In the event that archeological artifacts are discovered during cleanup operations, contact the authorized officer on this case immediately. An onsite will be required to assess the situation.

Facility Cleanup Stipulations:

Unlined facility:

1. A 1' clay liner will be installed at the 2 foot depth as stipulated in the cleanup plan submitted.
2. The BLM requires horizontal cleanup of the spill impacted areas in addition to vertical cleanup/mitigation measures. In this case, the location is still a working tank battery location. As such, excavation depths in portions of the spill area in close proximity to standing production equipment may be limited due to safety concerns. In such cases, the cleanup measures will be considered a temporary spill abatement measure that will be further mitigated upon the abandonment of the well/facility location. Appropriate notations to that effect will be entered in the well file.
3. Cleanup will include removal of any contaminated berm materials and/or unsuitable berm materials such as sandy soils, gravels, or cobblestones. Tank battery berms should be built of compactable caliche that is capable of fluid containment.
4. Once final approval of cleanup is given, the clay liner can be installed and the facility excavation can be backfilled with compactable caliche to the level of the original native contour plus enough loft to accommodate the settling and compaction of unconsolidated fill soils.
5. Install secondary containment berms of good quality compactable caliche around existing production equipment and the pad to prevent future spills from being released off the facility location.

Road Cleanup Stipulations:

1. The BLM requires horizontal cleanup of the spill impacted areas in addition to vertical cleanup/mitigation measures.
2. The BLM may wish to inspect the excavation once it reaches cleanup depth/width. Confirmation samples of excavation bottom, sidewalls and any visibly affected areas outside of the excavation trench will be required; the BLM may witness the sampling. Contact the authorized officer to schedule.
3. Lab analysis of the confirmation sampling must be forwarded to the authorized officer for final approval before backfilling. Based on the sampling results, additional cleanup may be required or the site may be approved for closure.
4. Once final approval of cleanup is given, the excavation can be backfilled with clean soil to the level of the original native contour plus enough loft to accommodate the settling and compaction of unconsolidated fill soils.
5. Road areas should be resurfaced with 6" of clean caliche on top of the backfill material.

Pasture Impacted Areas:

1. The BLM requires horizontal cleanup of the spill impacted areas in addition to vertical cleanup/mitigation measures.
2. The BLM may wish to inspect the excavation once it reaches cleanup depth/width. Confirmation samples of excavation bottoms, sidewalls and any visibly affected areas outside of the excavation trench will be required; the BLM may witness the sampling. Contact the authorized officer to schedule.
3. Lab analysis of the confirmation sampling must be forwarded to the authorized officer for final approval before backfilling. Based on the sampling results, additional cleanup may be required or the site may be approved for closure.
4. Once final approval of cleanup is given, the excavation can be backfilled with clean soil to the level of the original native contour plus enough loft to accommodate the settling and compaction of unconsolidated fill soils.
5. The top 2 feet of the backfill material must be topsoil similar to that in the surrounding native terrain.
6. If pastures are not contaminated but are impacted by cleanup operations, the impacts to the pasture areas will be mitigated by recontouring the impacted areas and restoring the surface as listed in items 7 through 9 of this section.
7. Install erosion control measures in the pasture-affected areas to prevent the unconsolidated reclamation materials from washing or blowing away until reclaimed areas settle and begin to revegetate.
8. Rip and seed reclaimed and equipment-impacted pasture areas with BLM seed mix #2 and #4, 50/50 mix.
9. Barricade entrance to reclaimed pasture areas with fencing or an earthen barrier sufficient to prevent vehicular access.
10. Continue to monitor spill reclamation area to ensure impacted pasture areas revegetate and that erosion issues do not develop.

Other Stipulations:

1. At the time of the final onsite for this location, the production facilities, well pad, access road, and the surrounding pasture areas must be in a condition that will pass a routine inspection.
2. All household trash, debris, disconnected pipe and equipment must be removed from the area and the surrounding pasture and hauled to an authorized landfill. Do not bury cleanup trash, equipment debris, or household garbage in the cleanup excavation.

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

Thank you for your attention to this matter,

Terry Gregston
Environmental Protection Specialist
Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220
Office (575) 234-5958
Cell (575) 361-2635
Fax (575) 234-5927

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Kathy Purvis

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Wednesday, January 30, 2013 5:24 PM
To: Kathy Purvis
Subject: FW: Undesirable Event: 11NU028TG, DWU Federal 1: Backfill approval

Cliff P. Brunson, CEI, CRS
President
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From: Terry Gregston <tgregsto@blm.gov>
Date: Wednesday, January 30, 2013 5:13 PM
To: James Amos <jamos@blm.gov>, Chris Jones <Christopher_Jones@oxy.com>, Ken Swinney <kswinney@bbcinternational.com>, Cliff Brunson <cbrunson@bbcinternational.com>
Subject: Undesirable Event: 11NU028TG, DWU Federal 1: Backfill approval

Gentlemen,

This notification is in regard to the following location and undesirable event:

Event Number: 11NU028TG
Event Date: 1/8/2011
Event Name: DWU Federal 1
Legals: T19S/R28E, sec. 34, NWSE

The excavation on this location is approved to close. Cleanup plan stipulations apply for closure, final dirtwork and seeding. Notify BLM when final dirtwork is done. Notify BLM when the location is seeded.

Thank you for your attention to these concerns,

Terry Gregston
Environmental Protection Specialist
Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

Office (575) 234-5958
Cell (575) 361-2635
Fax (575) 234-5927

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