

Closure Report

Site Description		
Site Name:	Mobil Federal Battery <i>2AP-1545</i>	<div style="border: 2px solid black; padding: 5px; text-align: center;"> RECEIVED SEP 10 2013 NMOCD ARTESIA </div>
Company:	Oxy Permian Ltd.	
Legal Description:	U/L J, Section 29, T23S, R31E	
County:	Eddy County, NM	
GPS Coordinates:	N 32.27321° W 103.79784°	

Release Data	
Date of Release:	01/14/2013
Type of Release:	Oil and Produced water
Source of Release:	Tank overflow caused by vapor-locked transfer
Volume of Release:	60 bbls oil, 20 bbls water
Volume Recovered:	0 bbls

Remediation Specifications	
Remediation Parameters:	Excavate across the entire leak site to a depth of 2 feet. Then, backfill the site with clean soil.
Remediation Activities:	08/12/2013 to 09/03/2013

Plan Sent to OCD:	04/01/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	04/05/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	04/09/2013	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	04/09/2013	Email from J. Van Curen to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 02/04/2013
Final C-141	Signed 09/09/2013
Site Diagram	January 2013
Groundwater Plot	>100'
TOPO Maps	January 2013
Lab Summary	01/30/2013
Lab Analysis	01/30/2013
Correspondence	Request and approval of remediation plan via email

Request for Closure	
Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.	
Cliff Brunson, President of BBC International Inc.	09/09/2013

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 Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Mobil Federal Battery	Facility Type	Gathering
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	29	23S	31E	1980	South	1980	East	Eddy

Latitude N 32.27321° Longitude W 103.79784°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	60 bbls oil, 20 bbls water	Volume Recovered	0 bbls
Source of Release	Tank overflow caused by vapor-locked transfer pump	Date and Hour of Occurrence	1/14/13	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-OCD; James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	1/14/13 @ 10:06 am		
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.*

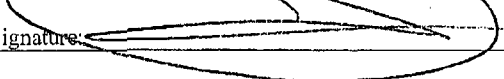
The South water transfer pump vapor-locked causing a tank to overflow and spill 60 bbls of oil and 20 bbls of water onto the ground. 0 bbls were recovered and the pump was repaired.

Describe Area Affected and Cleanup Action Taken.*

The area affected is approximately 55' x 55'. The south water transfer pump vapor-locked causing a tank to overflow and spill 60 bbls of oil and 20 bbls of water onto the ground. 0 bbls were recovered and the pump was repaired. Remediation will be performed in accordance with an OCD and BLM approved remediation plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:		
Printed Name: Chancey Summers			
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 2-4-13	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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1625 N. French Dr., Hobbs, NM 88240
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1220 South St. Francis Dr.
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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 Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Mobil Federal Battery	Facility Type	Gathering

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
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Latitude N 32.27321° Longitude W 103.79784°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	60 bbls oil, 20 bbls water	Volume Recovered	0 bbls
Source of Release	Tank overflow caused by vapor-locked transfer pump	Date and Hour of Occurrence	1/14/13	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-OCD; James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	1/14/13 @ 10:06 am		
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.*

The South water transfer pump vapor-locked causing a tank to overflow and spill 60 bbls of oil and 20 bbls of water onto the ground. 0 bbls were recovered and the pump was repaired.

Describe Area Affected and Cleanup Action Taken.*

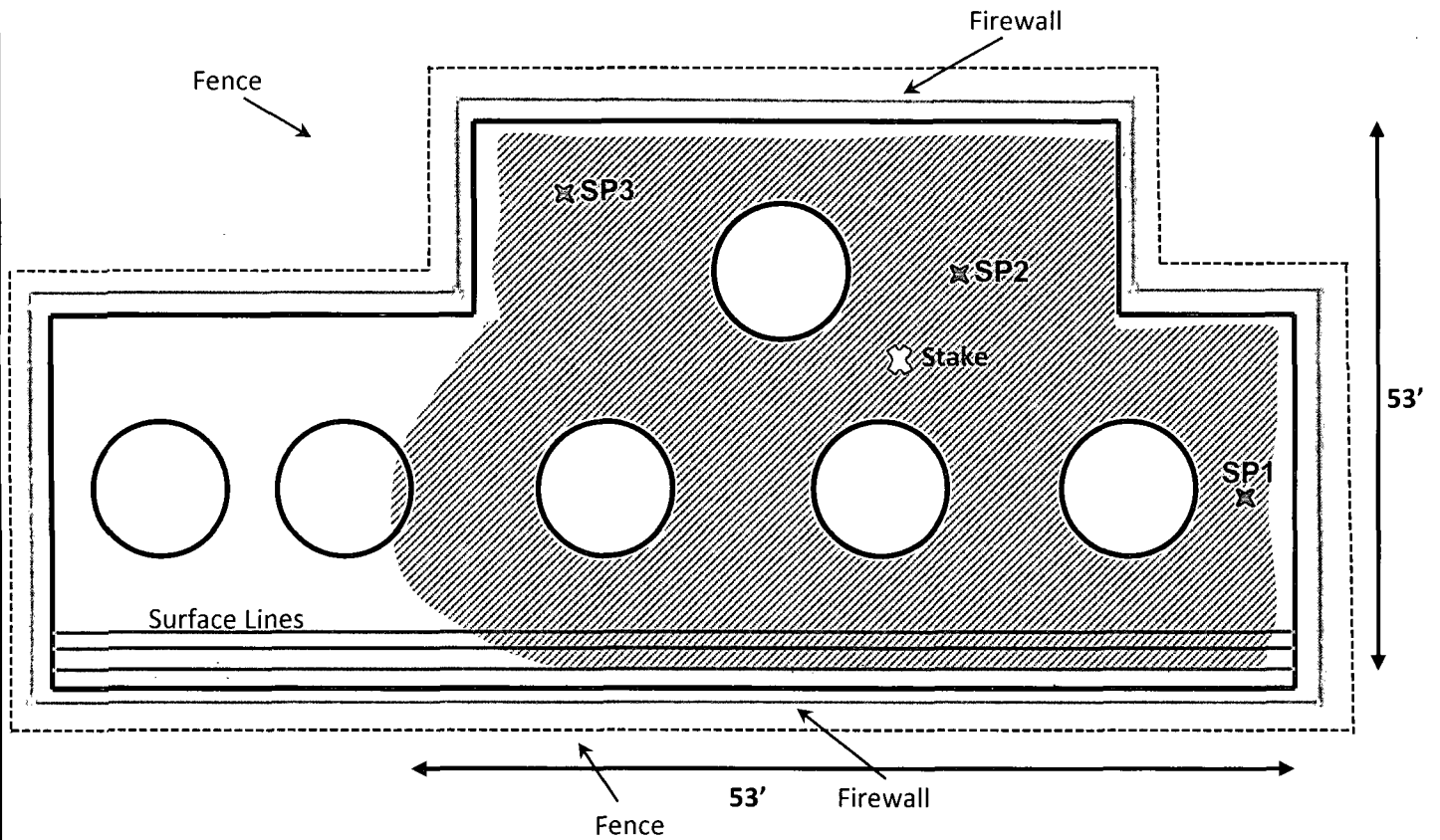
The area affected is approximately 55' x 55'. The south water transfer pump vapor-locked causing a tank to overflow and spill 60 bbls of oil and 20 bbls of water onto the ground. 0 bbls were recovered and the pump was repaired. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 04/05/2013 and approved by Jennifer VanCuren of the BLM via email on 04/09/2013.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 9-9-13	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

Oxy
Mobil Federal Battery



U/L J, Sec 29, T23S, R31E
1980' FSL, 1980' FEL
Eddy County, NM
N 32.27321 W 103.79784 at stake

BBC INTERNATIONAL, INC.	
OXY Mobil Federal Btry	
Date: 1-21-13	Drawn By: JG
Scale: Not to Scale	Sheet 1 of 1 Sheets



Groundwater Plot

OXY Mobil Federal Battery

County
Eddy

Unit Letter
J

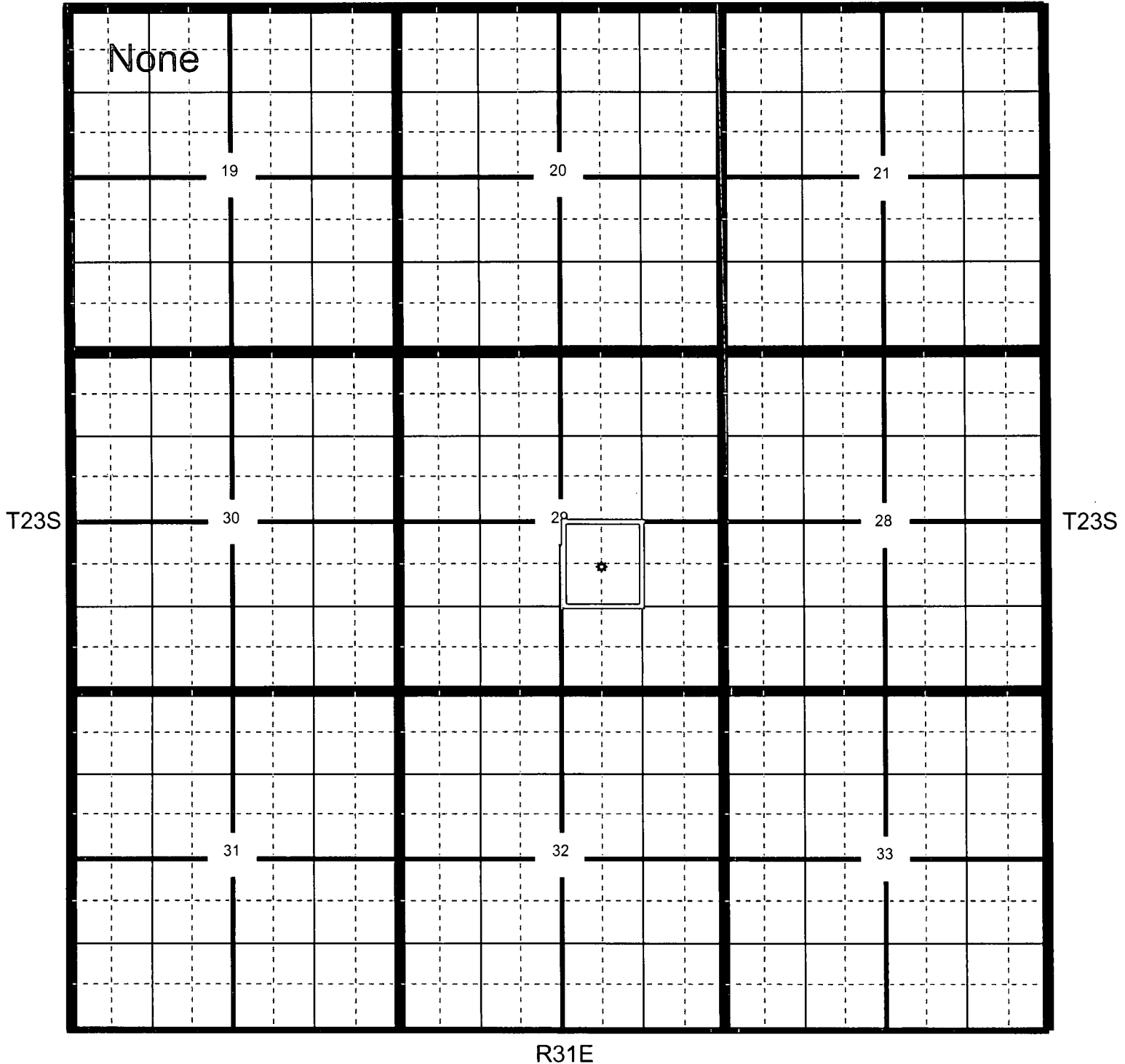
Section
29

Township
23S

Range
31E

Trend Map >100'

R31E



★ Location

○ OCD

○ USGS

○ SEO

● All Databases

Oxy Mobil Federal Battery

County Eddy	Unit Letter J	Section 29	Township 23S	Range 31E
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Trend Map >100'

1

2

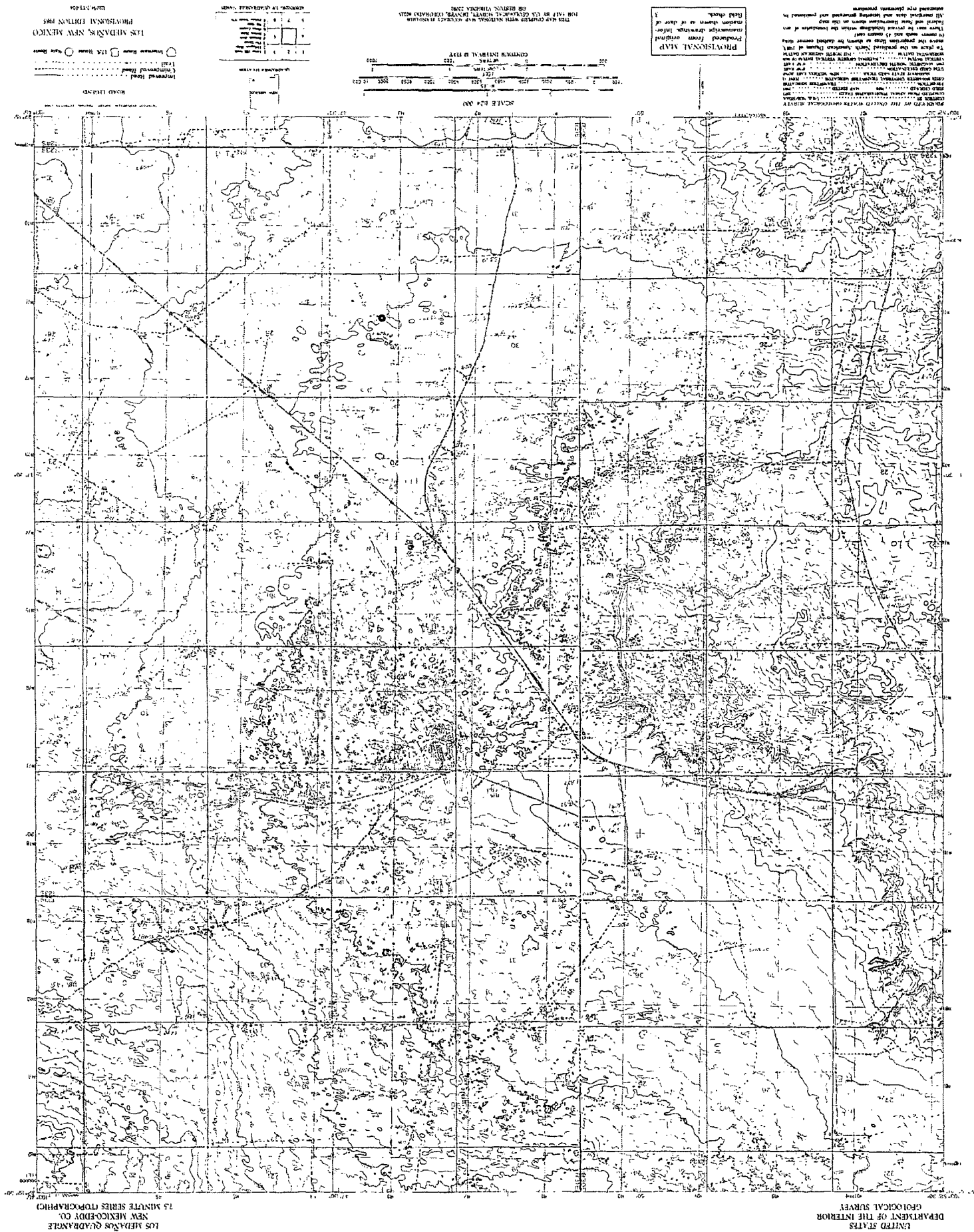
NW/NW NONE	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit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

3

4

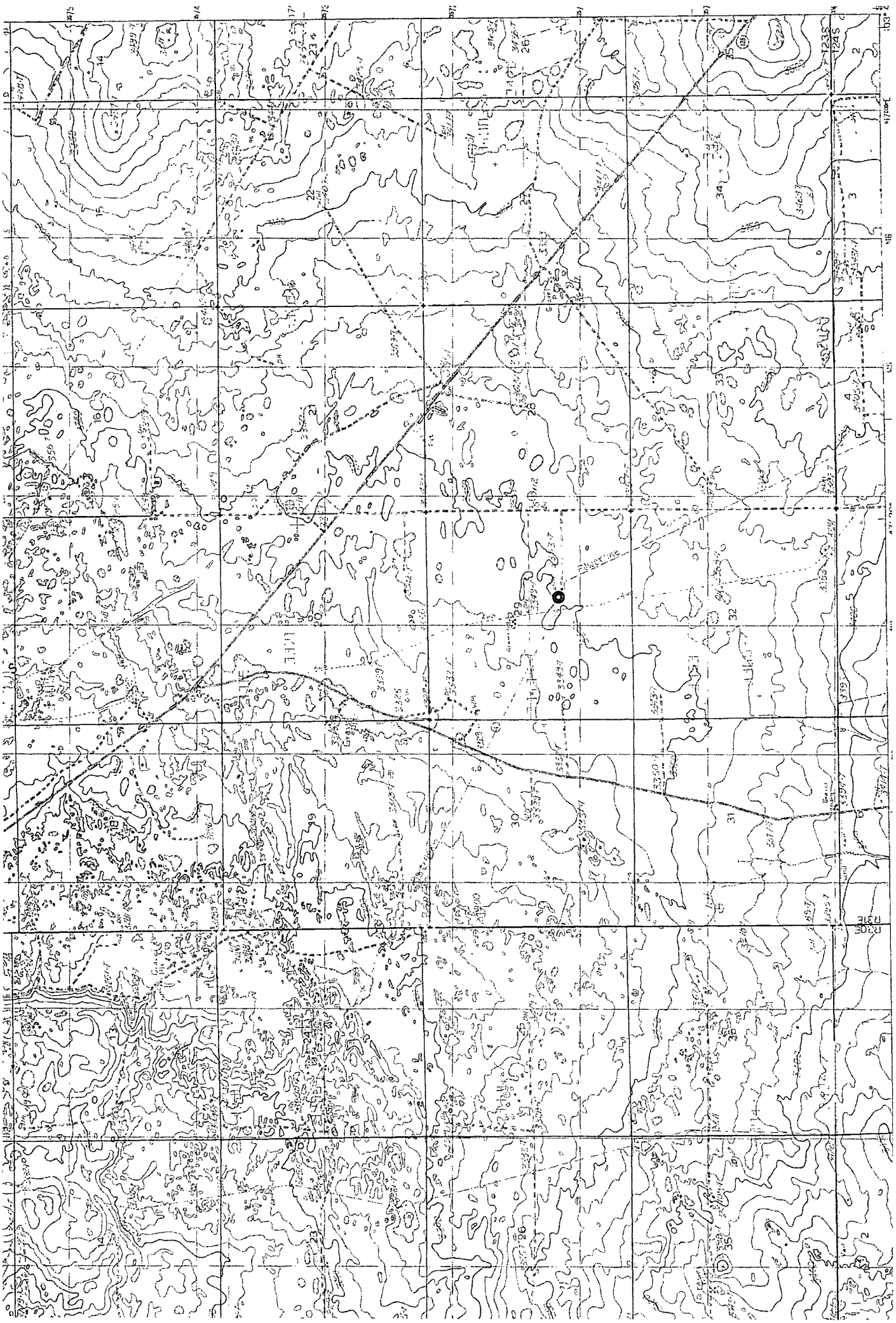
Mobil Federal Battery

Oxy



Oxy

Mobil Federal Battery



**Laboratory Analytical Results Summary
MOBIL FEDERAL BATTERY**

		Sample	SP1 @ SURFACE	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	1/30/13	1/30/13	1/30/13	1/30/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.21	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		17.4	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		12.6	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		48.1	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		81.3	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		5440	112	288	128
GRO	TPH 8015M		3580	<10.0	<10.0	<10.0
DRO	TPH 8015M		15600	29.2	<10.0	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	1/30/13	1/30/13	1/30/13	1/30/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		4.63	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		23.5	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		16.7	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		64.9	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		110	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		5680	80	272	128
GRO	TPH 8015M		3150	<10.0	<10.0	<10.0
DRO	TPH 8015M		14600	40.3	<10.0	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	1/30/13	1/30/13	1/30/13	1/30/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.11	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		18.7	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		14.6	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		57.4	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		93.9	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		6000	80	320	176
GRO	TPH 8015M		3040	<10.0	<10.0	<10.0
DRO	TPH 8015M		14000	26.4	25.3	<10.0

February 06, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MOBIL FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/31/13 8:40.

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

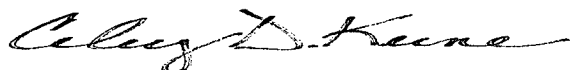
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/31/2013
 Reported: 02/06/2013
 Project Name: MOBIL FED BATTERY
 Project Number: NONE GIVEN
 Project Location: HWY #128

 Sampling Date: 01/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP1 @ SURFACE (H300274-01)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.21	2.00	02/04/2013	ND	2.14	107	2.00	15.7	
Toluene*	17.4	2.00	02/04/2013	ND	2.13	106	2.00	15.8	
Ethylbenzene*	12.6	2.00	02/04/2013	ND	2.10	105	2.00	15.4	
Total Xylenes*	48.1	6.00	02/04/2013	ND	6.38	106	6.00	15.2	
Total BTEX	81.3	12.0	02/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 128 % 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	5440	16.0	02/04/2013	ND	432	108	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	3580	100	02/01/2013	ND	209	104	200	3.67	
DRO >C10-C28	15600	100	02/01/2013	ND	170	85.1	200	2.31	

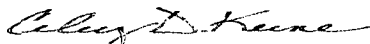
Surrogate: 1-Chlorooctane 260 % 65.2-140

Surrogate: 1-Chlorooctadecane 421 % 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: 01/31/2013
 Reported: 02/06/2013
 Project Name: MOBIL FED BATTERY
 Project Number: NONE GIVEN
 Project Location: HWY #128

 Sampling Date: 01/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP1 @ 2' (H300274-02)

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	02/04/2013	ND	2.14	107	2.00	15.7		
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4		
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2		
Total BTEX	<0.300	0.300	02/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 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	112	16.0	02/04/2013	ND	432	108	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	02/01/2013	ND	209	104	200	3.67	
DRO >C10-C28	29.2	10.0	02/01/2013	ND	170	85.1	200	2.31	

Surrogate: 1-Chlorooctane 93.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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

Received:	01/31/2013	Sampling Date:	01/30/2013
Reported:	02/06/2013	Sampling Type:	Soil
Project Name:	MOBIL FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HWY #128		

Sample ID: SP1 @ 3' (H300274-03)

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	02/04/2013	ND	2.14	107	2.00	15.7		
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4		
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2		
Total BTEX	<0.300	0.300	02/04/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/04/2013	ND	432	108	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	02/01/2013	ND	209	104	200	3.67	
DRO >C10-C28	<10.0	10.0	02/01/2013	ND	170	85.1	200	2.31	

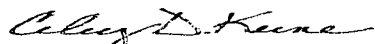
Surrogate: 1-Chlorooctane 91.9 % 63.2-140

Surrogate: 1-Chlorooctadecane 99.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 01/31/2013
Reported: 02/06/2013
Project Name: MOBIL FED BATTERY
Project Number: NONE GIVEN
Project Location: HWY #128

Sampling Date: 01/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 4' (H300274-04)

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	02/04/2013	ND	2.14	107	2.00	15.7	
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4	
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2	
Total BTEX	<0.300	0.300	02/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 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	128	16.0	02/04/2013	ND	432	108	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	02/04/2013	ND	209	104	200	3.67	
DRO >C10-C28	<10.0	10.0	02/04/2013	ND	170	85.1	200	2.31	

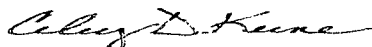
Surrogate: 1-Chlorooctane 91.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.0 % 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: 01/31/2013
 Reported: 02/06/2013
 Project Name: MOBIL FED BATTERY
 Project Number: NONE GIVEN
 Project Location: HWY #128

 Sampling Date: 01/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP2 @ SURFACE (H300274-05)

BTX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.63	2.00	02/04/2013	ND	2.14	107	2.00	15.7	
Toluene*	23.5	2.00	02/04/2013	ND	2.13	106	2.00	15.8	
Ethylbenzene*	16.7	2.00	02/04/2013	ND	2.10	105	2.00	15.4	
Total Xylenes*	64.9	6.00	02/04/2013	ND	6.38	106	6.00	15.2	
Total BTX	110	12.0	02/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 132 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	02/04/2013	ND	432	108	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	3150	50.0	02/01/2013	ND	209	104	200	3.67	
DRO >C10-C28	14600	50.0	02/01/2013	ND	170	85.1	200	2.31	

Surrogate: 1-Chlorooctane 235 % 65.2-140

Surrogate: 1-Chlorooctadecane 426 % 63.6-154

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

Received: 01/31/2013
Reported: 02/06/2013
Project Name: MOBIL FED BATTERY
Project Number: NONE GIVEN
Project Location: HWY #128

Sampling Date: 01/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 2' (H300274-06)

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	02/04/2013	ND	2.14	107	2.00	15.7	
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4	
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2	
Total BTEX	<0.300	0.300	02/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 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	02/04/2013	ND	432	108	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	02/01/2013	ND	209	104	200	3.67	
DRO >C10-C28	40.3	10.0	02/01/2013	ND	170	85.1	200	2.31	

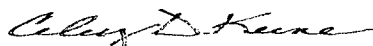
Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Analytical Results For:

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

 Received: 01/31/2013
 Reported: 02/06/2013
 Project Name: MOBIL FED BATTERY
 Project Number: NONE GIVEN
 Project Location: HWY #128

 Sampling Date: 01/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP2 @ 3' (H300274-07)

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	02/04/2013	ND	2.14	107	2.00	15.7	
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4	
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2	
Total BTEx	<0.300	0.300	02/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 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	272	16.0	02/04/2013	ND	432	108	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	02/01/2013	ND	209	104	200	3.67	
DRO >C10-C28	<10.0	10.0	02/01/2013	ND	170	85.1	200	2.31	

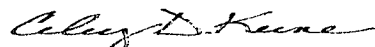
Surrogate: 1-Chlorooctane 97.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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

 Received: 01/31/2013
 Reported: 02/06/2013
 Project Name: MOBIL FED BATTERY
 Project Number: NONE GIVEN
 Project Location: HWY #128

 Sampling Date: 01/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP2 @ 4' (H300274-08)

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	02/04/2013	ND	2.14	107	2.00	15.7		
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4		
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2		
Total BTEx	<0.300	0.300	02/04/2013	ND						

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/04/2013	ND	432	108	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	02/01/2013	ND	209	104	200	3.67		
DRO >C10-C28	<10.0	10.0	02/01/2013	ND	170	85.1	200	2.31		

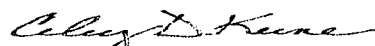
Surrogate: 1-Chlorooctane 97.7 % 63.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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Analytical Results For:

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 Hobbs NM, 88241
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 Received: 01/31/2013
 Reported: 02/06/2013
 Project Name: MOBIL FED BATTERY
 Project Number: NONE GIVEN
 Project Location: HWY #128

 Sampling Date: 01/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ SURFACE (H300274-09)

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.11	2.00	02/04/2013	ND	2.14	107	2.00	15.7	
Toluene*	18.7	2.00	02/04/2013	ND	2.13	106	2.00	15.8	
Ethylbenzene*	14.6	2.00	02/04/2013	ND	2.10	105	2.00	15.4	
Total Xylenes*	57.4	6.00	02/04/2013	ND	6.38	106	6.00	15.2	
Total BTEX	93.9	12.0	02/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 132 % 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	6000	16.0	02/04/2013	ND	432	108	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	3040	50.0	02/02/2013	ND	209	104	200	3.67	
DRO >C10-C28	14000	50.0	02/02/2013	ND	170	85.1	200	2.31	

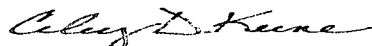
Surrogate: 1-Chlorooctane 246 % 65.2-140

Surrogate: 1-Chlorooctadecane 392 % 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: 01/31/2013
 Reported: 02/06/2013
 Project Name: MOBIL FED BATTERY
 Project Number: NONE GIVEN
 Project Location: HWY #128

 Sampling Date: 01/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ 2' (H300274-10)

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	02/04/2013	ND	2.14	107	2.00	15.7		
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4		
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2		
Total BTEX	<0.300	0.300	02/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 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	02/04/2013	ND	432	108	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	02/02/2013	ND	209	104	200	3.67	
DRO >C10-C28	26.4	10.0	02/02/2013	ND	170	85.1	200	2.31	

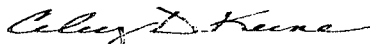
Surrogate: 1-Chlorooctane 88.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 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:	01/31/2013	Sampling Date:	01/30/2013
Reported:	02/06/2013	Sampling Type:	Soil
Project Name:	MOBIL FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HWY #128		

Sample ID: SP3 @ 3' (H300274-11)

BTX 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	02/04/2013	ND	2.14	107	2.00	15.7		
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4		
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2		
Total BTX	<0.300	0.300	02/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 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	320	16.0	02/04/2013	ND	432	108	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	02/02/2013	ND	209	104	200	3.67	
DRO >C10-C28	25.3	10.0	02/02/2013	ND	170	85.1	200	2.31	

Surrogate: 1-Chlorooctane 95.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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 Received: 01/31/2013
 Reported: 02/06/2013
 Project Name: MOBIL FED BATTERY
 Project Number: NONE GIVEN
 Project Location: HWY #128

 Sampling Date: 01/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ 4' (H300274-12)

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	02/04/2013	ND	2.14	107	2.00	15.7		
Toluene*	<0.050	0.050	02/04/2013	ND	2.13	106	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/04/2013	ND	2.10	105	2.00	15.4		
Total Xylenes*	<0.150	0.150	02/04/2013	ND	6.38	106	6.00	15.2		
Total BTEX	<0.300	0.300	02/04/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/04/2013	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/02/2013	ND	209	104	200	3.67	
DRO >C10-C28	<10.0	10.0	02/02/2013	ND	170	85.1	200	2.31	

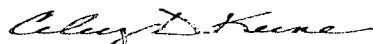
Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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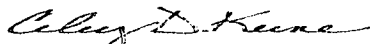
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Page 15 of 16

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† 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

Page 16 of 16

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																				
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; font-size: 2em;"> TPH BTEX CL- </div>																				
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>		City:																						
Project #:		Project Owner: <i>org</i>		State:		Zip:																						
Project Name: <i>Mobil Fed Path</i>				Phone #:																								
Project Location: <i>Hay 12B</i>				Fax #:																								
Sampler Name: <i>Roger Henderson</i>																												
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
	H300274																											
	11	SP 30 3'	5	1			✓					✓		1/30/13	148	✓	✓	✓										
	12	4'	6	1			✓					✓		1/30/13	209	✓	✓	✓										

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Relinquished By: <i>As H-3</i>	Date: 1-31-13	Received By: <i>Hodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 6:40		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	50	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: <i>gt</i>	
Sampler - UPS - Bus - Other:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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

#26

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Friday, April 05, 2013 1:53 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Oxy-Mobil Federal Battery-Remediation Plan

Reference: OXY USA * Mobil Federal Battery (well #1) * 30-015-20751 * J-29-23s-31e * Eddy County, New Mexico
OCD Tracking Number: 2RP-1545 * Date of release: 1/14/2013

Cliff,

Your proposal for remediation of the above referenced produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. BLM approval of remediation proposal may be required.

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: Monday, April 01, 2013 8:01 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Oxy-Mobil Federal Battery-Remediation Plan

Mike,

This e-mail is to confirm our discussion on March 25, 2013 concerning the remediation plan for the release that occurred at the Oxy Mobil Federal Battery. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will excavate 2 feet across the entire leak area at the site. The site will then be backfilled with clean soil. The depth to groundwater in this area is approximately 100 feet.

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.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
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Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Tuesday, April 09, 2013 3:16 PM
To: Cliff P. Brunson
Cc: James Amos; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: FW: Oxy-Mobil Federal Battery-Remediation Plan

It is approved. Let me know when you are complete for followup inspection. Thanks

JENNIFER E VAN CUREN
ENVIRONMENTAL PROTECTION SPECIALIST
DOI-BLM-CARLSBAD FIELD OFFICE
320 E GREENE ST. CARLSBAD, NM 88220
OFFICE- 575-234-5905
CELL - 575-361-0042
FAX - 575-234-5927

On Tue, Apr 9, 2013 at 11:33 AM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jennifer,

I have attached a remediation packet of information for your review. The packet includes a site diagram, groundwater information, lab data summary table, and the original laboratory data. In addition, I have attached the approval from the NMOCD for this plan below in this e-mail. Oxy proposes the same following plan to the BLM as approved by the NMOCD.

Oxy proposes to excavate 2 feet across the spill area. The site will then be backfilled with clean soil. The depth to groundwater in this area is approximately 100 feet.

Oxy is therefore requesting the approval of the BLM to proceed with the submitted remediation plan. If you would please respond back via e-mail with your approval, it would be greatly appreciated. If you have any questions, please let us know.

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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Phone: (575) 397-6388
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E-Mail: cbrunson@bbcinternational.com

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From: Mike Bratcher <mike.bratcher@state.nm.us>
Date: Friday, April 5, 2013 1:52 PM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: C J Summers <Chancey_Summers@oxy.com>, Ken Swinney <kswinney@bbcinternational.com>, Jennifer Gilkey <jgilkey@bbcinternational.com>, Kathy Purvis <kathy@bbcinternational.com>
Subject: RE: Oxy-Mobil Federal Battery-Remediation Plan

Reference: OXY USA * Mobil Federal Battery (well #1) * 30-015-20751 * J-29-23s-31e * Eddy County, New Mexico

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Mike Bratcher

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Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

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