

RECEIVED

By OCD District 1 at 9:31 am, Jul 09, 2015

Closure Report**APPROVED**

By OCD District 1 at 9:31 am, Jul 09, 2015

Site Description

Site Name:	Fred Turner JR B Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L I, Section 18, T20S, R38E
County:	Lea County, NM
GPS Coordinates:	N 32.57280° W 103.18227°

Release Data

Date of Release:	03/18/2014
Type of Release:	Oil and produced water
Source of Release:	Flex tube clogged up with dirt
Volume of Release:	3 bbls oil, 8 bbls produced water
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the area around SP1 to a depth of 6 inches. Excavate the area around SP2 to a depth of 1 foot. Excavate the areas around SP3 and SP4 to a depth of 2 feet. Backfill the site with clean soil.	
Remediation Activities:	05/15/2015 to 05/26/2015	
Plan Sent to OCD:	06/26/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	07/01/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 03/24/2014
Final C-141	Signed 06/18/2015
Site Diagram	April 2014
Groundwater Plot	75'-100'
TOPO Maps	April 2014
Lab Summary	04/25/2014
Lab Analysis	04/25/2014
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.

07/07/2015

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Fred Turner JR B Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	20	20S	38E					Lea County, NM

Latitude N 32.57279° Longitude W 103.18205°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	3 bbls oil, 8 bbls produced water	Volume Recovered	0 bbls
Source of Release	Flex tube clogged up with dirt and caused issues with the separator	Date and Hour of Occurrence	03/18/2014	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?	Geoffrey Leking, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	03/19/2014 @ 4:15 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The flex tube clogged up with dirt and caused separator issues. These issues caused 3 bbls of oil and 8 bbls of produced water to leak onto the ground. No fluids were recovered and flex tube was cleaned out.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 10' x 15' on location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>3-24-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

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1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources

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Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5824
Facility Name	Fred Turner JR B Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	20	20S	38E					Lea County, NM

Latitude N 32.57279° Longitude W 103.18205°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	3 bbls oil, 8 bbls produced water	Volume Recovered	0 bbls
Source of Release	Flex tube clogged up with dirt and caused issues with the separator	Date and Hour of Occurrence	03/18/2014	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?	Geoffrey Leking, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	03/19/2014 @ 4:15 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The flex tube clogged up with dirt and caused separator issues. These issues caused 3 bbls of oil and 8 bbls of produced water to leak onto the ground. No fluids were recovered and flex tube was cleaned out.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 10' x 15' on location. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 07/01/2014.

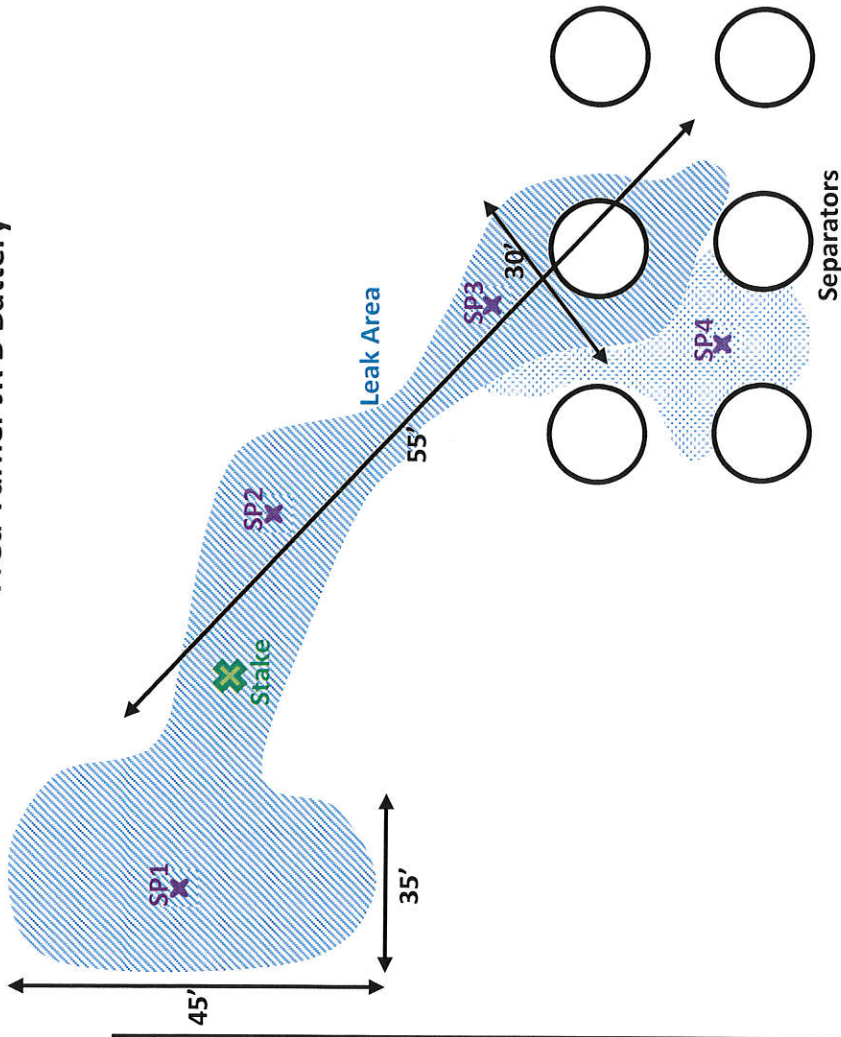
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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 Environmental Specialist:		
Title: HES Lead	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>6/18/15</u> Phone: (432) 685-5824			

* Attach Additional Sheets If Necessary



Oxy
Fred Turner JR B Battery



U/L I, Section 18, T20S, R38E
Lea County, NM
N 32.57280° W 103.18227° at stake

BBC International, Inc.

Oxy

Fred Turner JR B Battery

Date: 04/01/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014

Groundwater Plot

Oxy Fred Turner JR B Battery

County
Lea

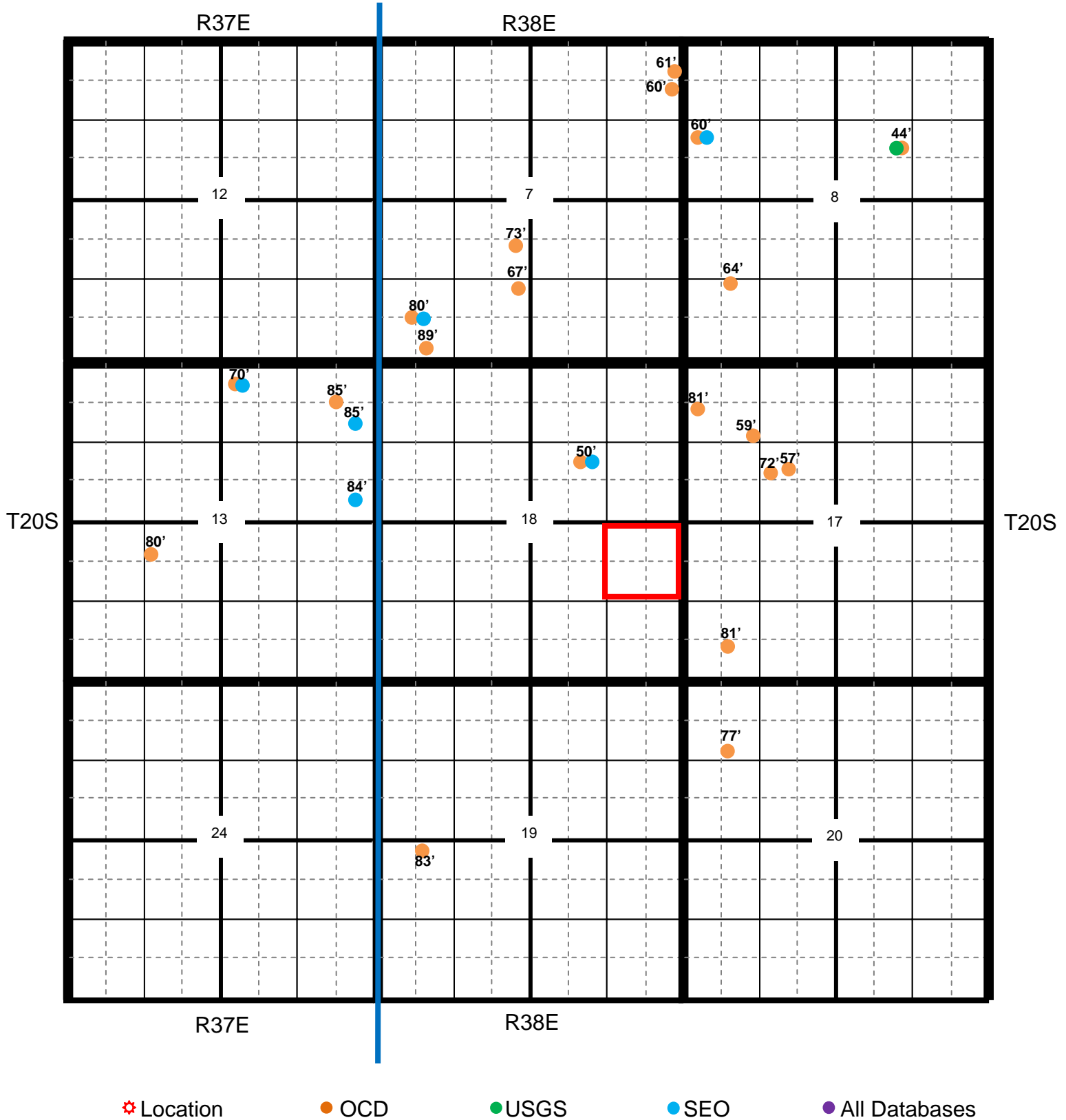
Unit Letter
I

Section
18

Township
20S

Range
38E

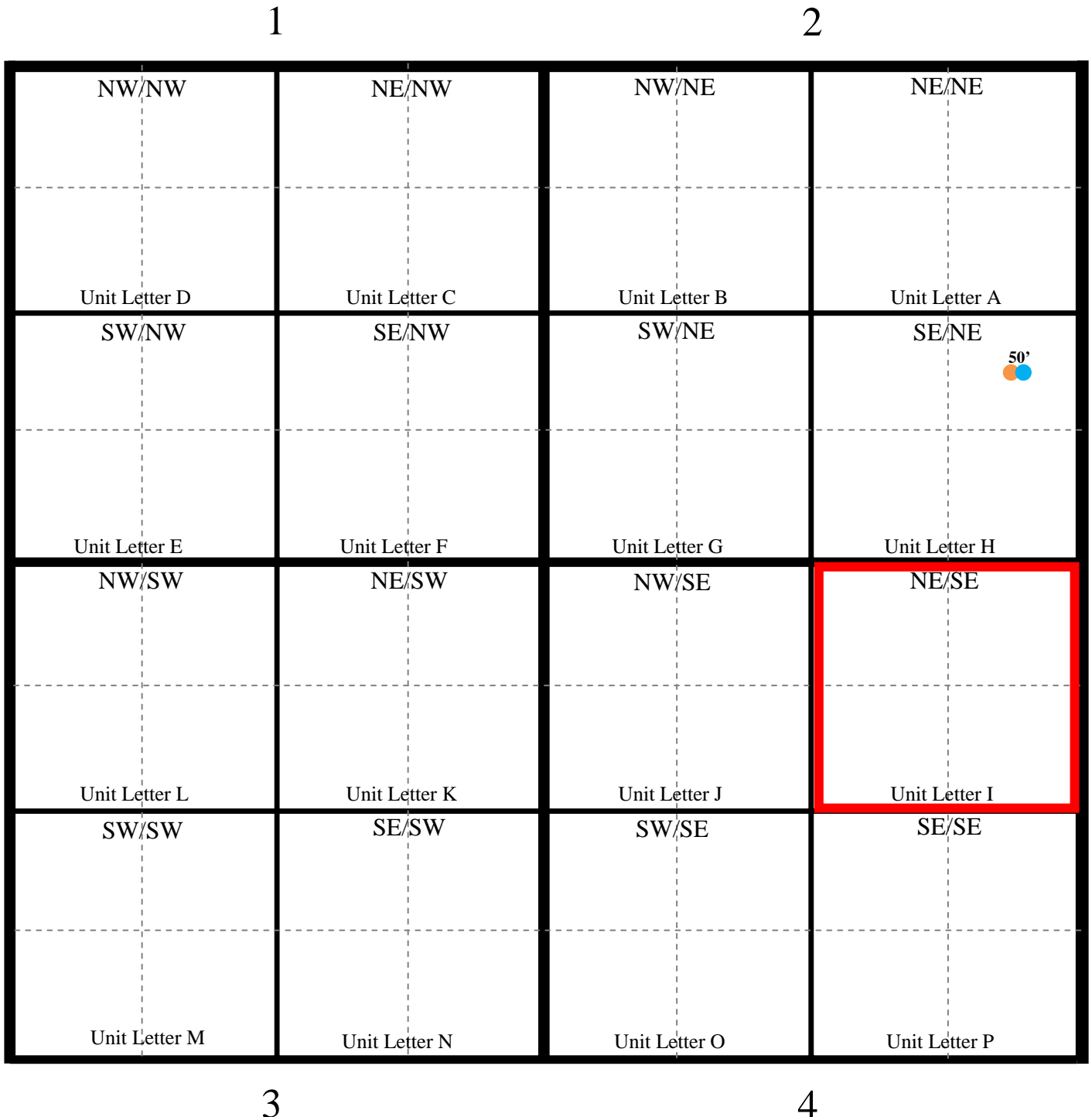
Trend Map 75'-100'



Oxy Fred Turner JR B Battery

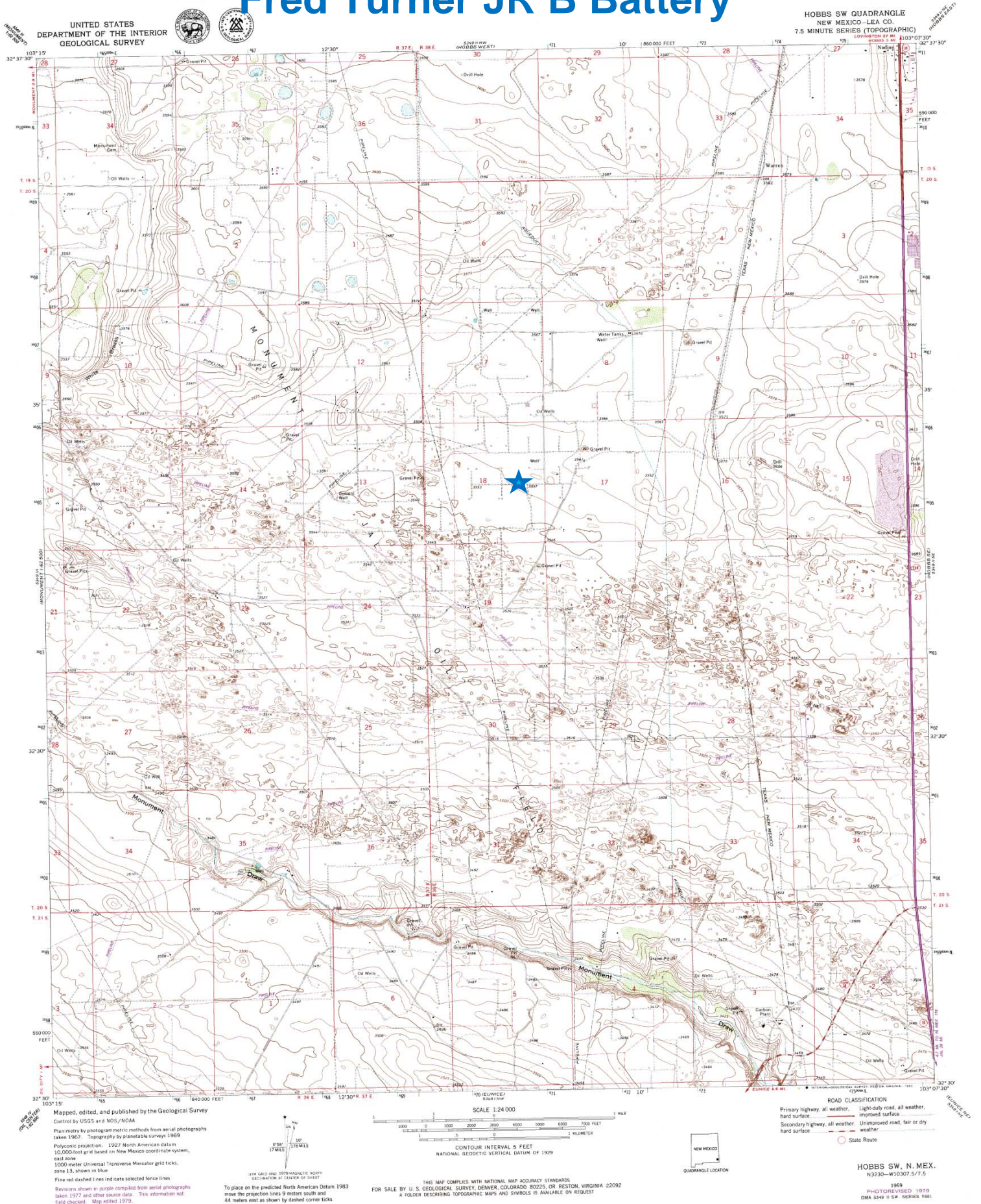
County	Unit Letter	Section	Township	Range
Lea	I	18	20S	38E

Trend Map 75'-100'



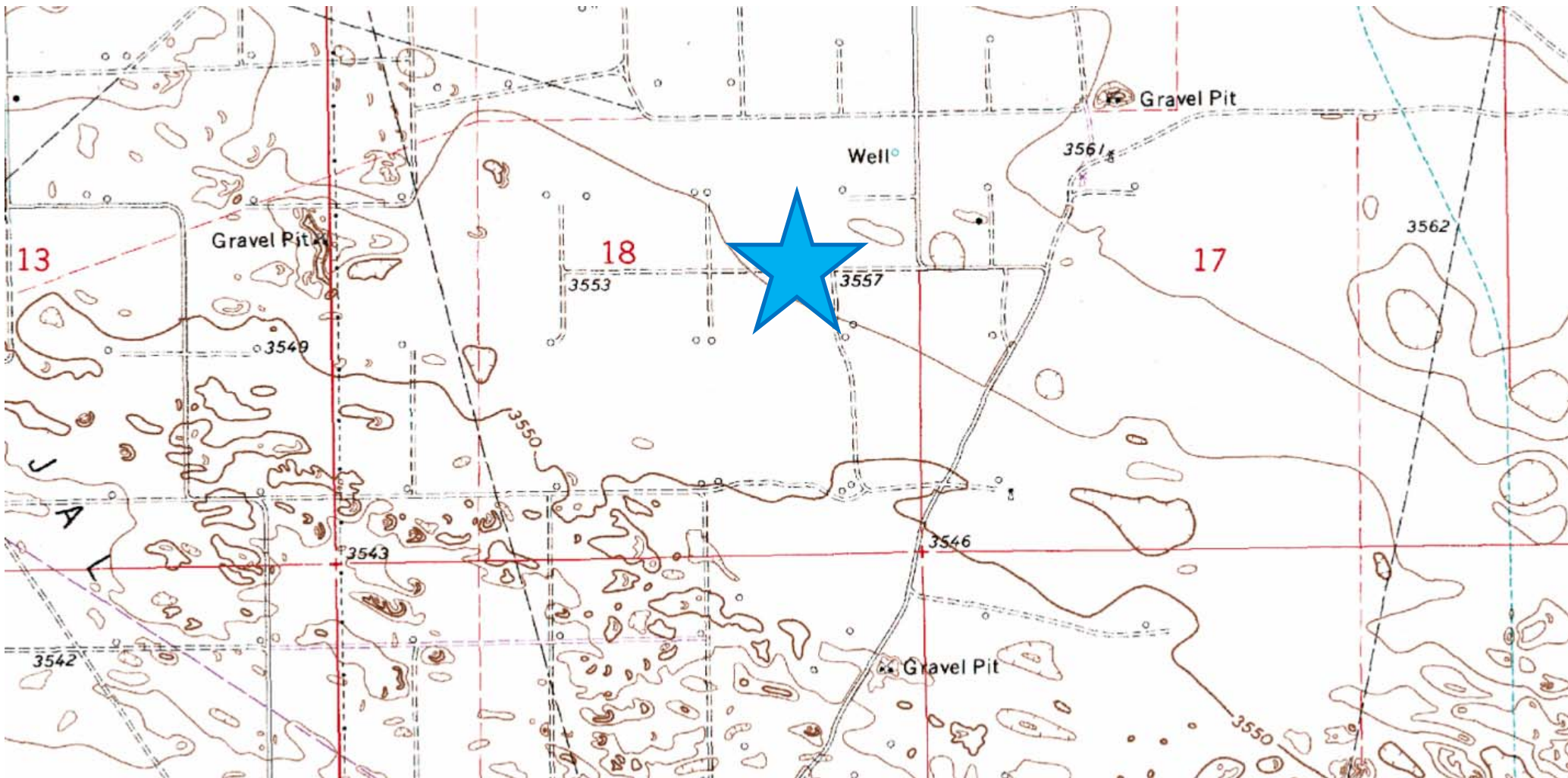
Oxy

Fred Turner JR B Battery



Oxy

Fred Turner JR B Battery



Laboratory Analytical Results Summary
Fred Turner JR B Battery

		Sample	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	4/25/14	4/25/14	4/25/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.284	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.06	<0.150	<0.150
Total BTEX	BTEX 8021B		1.34	<0.300	<0.300
Chloride	SM4500Cl-B		256	48.0	48.0
GRO	TPH 8015M		<50.0	<10.0	<10.0
DRO	TPH 8015M		2730	150	<10.0

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	4/25/14	4/25/14	4/25/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.276	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.02	<0.150	<0.150
Total BTEX	BTEX 8021B		1.30	<0.300	<0.300
Chloride	SM4500Cl-B		304	144	80.0
GRO	TPH 8015M		74.7	<10.0	<10.0
DRO	TPH 8015M		3850	503	<10.0

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	4/25/14	4/25/14	4/25/14	4/25/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.48	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		7.01	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		8.48	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		5280	1140	640	128
GRO	TPH 8015M		331	<10.0	<10.0	<10.0
DRO	TPH 8015M		18800	<10.0	<10.0	<10.0

		Sample	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	4/25/14	4/25/14	4/25/14	4/25/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.756	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.58	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		4.34	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2640	4280	1090	128
GRO	TPH 8015M		190	<10.0	<10.0	<10.0
DRO	TPH 8015M		16900	26.9	<10.0	<10.0

May 05, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FRED TURNER JR 'B' BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/28/14 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 1 @ SURFACE (H401260-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2014	ND	2.03	102	2.00	1.90	
Toluene*	<0.050	0.050	05/01/2014	ND	2.03	102	2.00	2.53	
Ethylbenzene*	0.284	0.050	05/01/2014	ND	2.01	101	2.00	3.40	
Total Xylenes*	1.06	0.150	05/01/2014	ND	6.14	102	6.00	5.05	
Total BTX	1.34	0.300	05/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 216 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	2730	50.0	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 141 % 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:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 1 @ 1' (H401260-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2014	ND	2.03	102	2.00	1.90	
Toluene*	<0.050	0.050	05/01/2014	ND	2.03	102	2.00	2.53	
Ethylbenzene*	<0.050	0.050	05/01/2014	ND	2.01	101	2.00	3.40	
Total Xylenes*	<0.150	0.150	05/01/2014	ND	6.14	102	6.00	5.05	
Total BTX	<0.300	0.300	05/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	150	10.0	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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*=Accredited Analyte

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Fax To: (575) 397-0397

Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 1 @ 2' (H401260-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2014	ND	2.03	102	2.00	1.90	
Toluene*	<0.050	0.050	05/01/2014	ND	2.03	102	2.00	2.53	
Ethylbenzene*	<0.050	0.050	05/01/2014	ND	2.01	101	2.00	3.40	
Total Xylenes*	<0.150	0.150	05/01/2014	ND	6.14	102	6.00	5.05	
Total BTEx	<0.300	0.300	05/01/2014	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	<10.0	10.0	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 2 @ SURFACE (H401260-04)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.03	102	2.00	1.90	
Toluene*	<0.050	0.050	05/02/2014	ND	2.03	102	2.00	2.53	
Ethylbenzene*	0.276	0.050	05/02/2014	ND	2.01	101	2.00	3.40	
Total Xylenes*	1.02	0.150	05/02/2014	ND	6.14	102	6.00	5.05	
Total BTEx	1.30	0.300	05/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 191 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	74.7	50.0	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	3850	50.0	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 122 % 65.2-140

Surrogate: 1-Chlorooctadecane 165 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 2 @ 1' (H401260-05)

BTX 8021B			mg/kg					Analyzed By: MS		S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	05/02/2014	ND	2.03	102	2.00	1.90			
Toluene*	<0.050	0.050	05/02/2014	ND	2.03	102	2.00	2.53			
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.01	101	2.00	3.40			
Total Xylenes*	<0.150	0.150	05/02/2014	ND	6.14	102	6.00	5.05			
Total BTX	<0.300	0.300	05/02/2014	ND							

Surrogate: 4-Bromofluorobenzene (PID) 127 % 89.4-126

Chloride, SM4500CI-B			mg/kg					Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	144	16.0	04/30/2014	ND	400	100	400	0.00			

TPH 8015M			mg/kg					Analyzed By: CK			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	04/29/2014	ND	168	83.8	200	10.5			
DRO >C10-C28	503	10.0	04/29/2014	ND	187	93.3	200	10.7			

Surrogate: 1-Chlorooctane 93.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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

Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 2 @ 2' (H401260-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.03	102	2.00	1.90	
Toluene*	<0.050	0.050	05/02/2014	ND	2.03	102	2.00	2.53	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.01	101	2.00	3.40	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	6.14	102	6.00	5.05	
Total BTEx	<0.300	0.300	05/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	<10.0	10.0	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 3 @ SURFACE (H401260-07)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	05/02/2014	ND	2.03	102	2.00	1.90	
Toluene*	<0.500	0.500	05/02/2014	ND	2.03	102	2.00	2.53	
Ethylbenzene*	1.48	0.500	05/02/2014	ND	2.01	101	2.00	3.40	
Total Xylenes*	7.01	1.50	05/02/2014	ND	6.14	102	6.00	5.05	
Total BTX	8.48	3.00	05/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	04/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	331	100	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	18800	100	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 197 % 65.2-140

Surrogate: 1-Chlorooctadecane 549 % 63.6-154

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Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 3 @ 1' (H401260-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.03	102	2.00	1.90	
Toluene*	<0.050	0.050	05/02/2014	ND	2.03	102	2.00	2.53	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.01	101	2.00	3.40	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	6.14	102	6.00	5.05	
Total BTEx	<0.300	0.300	05/02/2014	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	04/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	<10.0	10.0	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 3 @ 2' (H401260-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2014	ND	2.14	107	2.00	6.40		
Toluene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.91		
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.11	106	2.00	5.51		
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.38	106	6.00	4.43		
Total BTEx	<0.300	0.300	05/05/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	<10.0	10.0	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 3 @ 3' (H401260-10)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2014	ND	2.14	107	2.00	6.40		
Toluene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.91		
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.11	106	2.00	5.51		
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.38	106	6.00	4.43		
Total BTEx	<0.300	0.300	05/05/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 73.5 % 89.4-126

Chloride, SM4500CI-B			mg/kg					Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	128	16.0	04/30/2014	ND	400	100	400	0.00			

TPH 8015M			mg/kg					Analyzed By: CK			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	04/29/2014	ND	168	83.8	200	10.5			
DRO >C10-C28	<10.0	10.0	04/29/2014	ND	187	93.3	200	10.7			

Surrogate: 1-Chlorooctane 115 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 4 @ SURFACE (H401260-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/05/2014	ND	2.14	107	2.00	6.40	
Toluene*	<0.200	0.200	05/05/2014	ND	2.13	107	2.00	5.91	
Ethylbenzene*	0.756	0.200	05/05/2014	ND	2.11	106	2.00	5.51	
Total Xylenes*	3.58	0.600	05/05/2014	ND	6.38	106	6.00	4.43	
Total BTX	4.34	1.20	05/05/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	04/30/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	190	100	04/29/2014	ND	168	83.8	200	10.5	
DRO >C10-C28	16900	100	04/29/2014	ND	187	93.3	200	10.7	

Surrogate: 1-Chlorooctane 161 % 65.2-140

Surrogate: 1-Chlorooctadecane 507 % 63.6-154

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Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 4 @ 1' (H401260-12)

BTX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2014	ND	2.14	107	2.00	6.40		
Toluene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.91		
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.11	106	2.00	5.51		
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.38	106	6.00	4.43		
Total BTX	<0.300	0.300	05/05/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 75.5 % 89.4-126

Chloride, SM4500CI-B			mg/kg					Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	4280	16.0	04/30/2014	ND	400	100	400	0.00			

TPH 8015M			mg/kg					Analyzed By: CK			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	04/29/2014	ND	168	83.8	200	10.5			
DRO >C10-C28	26.9	10.0	04/29/2014	ND	187	93.3	200	10.7			

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 4 @ 2' (H401260-13)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2014	ND	2.14	107	2.00	6.40		
Toluene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.91		
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.11	106	2.00	5.51		
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.38	106	6.00	4.43		
Total BTEx	<0.300	0.300	05/05/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 73.6 % 89.4-126

Chloride, SM4500CI-B			mg/kg					Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	1090	16.0	04/30/2014	ND	400	100	400	0.00			

TPH 8015M			mg/kg					Analyzed By: CK			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	04/30/2014	ND	190	94.9	200	1.62			
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	206	103	200	0.365			

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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Received:	04/28/2014	Sampling Date:	04/25/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	FRED TURNER JR 'B' BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BILLY WALKER		

Sample ID: SP 4 @ 3' (H401260-14)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2014	ND	2.14	107	2.00	6.40		
Toluene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.91		
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.11	106	2.00	5.51		
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.38	106	6.00	4.43		
Total BTEx	<0.300	0.300	05/05/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 72.0 % 89.4-126

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	128	16.0	04/30/2014	ND	400	100	400	0.00			

TPH 8015M			mg/kg					Analyzed By: CK			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	04/30/2014	ND	190	94.9	200	1.62			
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	206	103	200	0.365			

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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*=Accredited Analyte

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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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

ORDINAL 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.		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:					
Address: P.O. Box 805		Attn:					
City: Hobbs		State: NM		Zip: 88241			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:			
Project #:		Project Owner: OXY		City:			
Project Name: Fred Turner Dr B1 Battery		State:		Zip:			
Project Location: B111 Walker		Phone #:					
Sample Name: 1011111111		Fax #:					
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS	
H401260		SP10 Surface		GROUNDWATER		WASTEWATER	
1		1		SOIL		OIL	
2		2		SLUDGE		OTHER:	
3		3		ACID/BASE:		ICE / COOL	
4		4		OTHER:		DATE	
5		5		TIME			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

 $\frac{2}{2}$ [illegible]

Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Tuesday, July 01, 2014 2:42 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OCD Concurrence with Various OXY Remediation Plans

Cliff

The OCD concurs with the :

- 1) OXY-State C Trac 11 Battery-Remediation Plan
- 2) OXY-Fred Turner JR B Battery-Remediation Plan
- 3) OXY-Federal 27 #8-Remediation Plan
- 4) OXY-MLMU #98-Remediation Plan
- 5) OXY-South Mattix Battery-Remediation Plan
- 6) OXY-MLMU Satellite #2-Remediation Plan
- 7) OXY-MLMU #71-Remediation Plan

Approval of the Red Tank 35 Fed #3 Remediation Plan is dependent on your response regarding the excavation depth at SP2 and SP3. Thanks Cliff.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Thursday, June 26, 2014 8:30 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-State C Trac 11 Battery-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on June 19, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 4 feet in the area around SP1, 1 foot in the areas of SP2 and SP3, 2 feet in the area of SP4, and 1 foot in the areas of SP5 and SP6 as depicted on the attached site diagram. Then the site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
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World-Wide Environmental Specialists
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