

Closure Report

Site Description

Site Name:	Prize 27 Federal #2 Battery (4 leaks in the exact same place)
Company:	Oxy Permian Ltd.
Legal Description:	U/L P, Section27, T22S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.35709° W 103.65617°

Release Data

Dates of Release:	04/01/2013, 04/29/2013, 02/11/2014, and 02/18/2014
Type of Release:	Oil and produced water
Source of Release:	Various reasons caused tank to spill over on 4 separate leaks
Volume of Release:	70 bbls; 200 bbls; 16 bbls; and 1bbl oil, 131 bbls water
Volume Recovered:	60 bbls, 180 bbls, 0 bbls, and 130 bbls

Remediation Specifications

Remediation Parameters:	Remove impacted soils for all four leaks. Obtain confirmation samples. Backfill the site with clean soil.	
Remediation Activities:	04/24/2014 to 05/06/2014	
Plan Sent to OCD:	08/07/2014	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	08/11/2014	Email from Tomas Oberding to Cliff Brunson
Plan Sent to BLM:	02/04/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	06/30/2014	Meeting between C. Brunson & J. Van Curen

Supporting Documentation

Initial C-141	Signed 04/08/2013, 05/08/2013, 02/11/2014, and 02/19/2014
Final C-141	All 4 signed on 10/10/2014
Site Diagram	April 2013, May 2013, February 2014
Groundwater Plot	425'
TOPO Maps	April 2013
Lab Summary	04/10/2013, 11/11/2013, and 04/30/2014
Lab Analysis	04/10/2013, 11/11/2013, and 04/30/2014
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.

10/20/2014

District I
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Oil Conservation Division
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Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
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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	Prize 27 Federal #2	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-31902

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	70 bbls	Volume Recovered	60 bbls
Source of Release	loss of power to transfer pump caused a tank to over spill	Date and Hour of Occurrence	04/1/2013	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?	Jennifer Van Curen-BLM, Jim Amos-BLM and Geoffrey Leking-OCD		
By Whom?	Chancey Summers	Date and Hour	04/2/2013 @ 10:02 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.*

Loss of power to transfer pump caused a tank to over spill 70 bbls of produced water to leak onto the ground. 60 bbls of produced water were recovered via vacuum truck and power was restored.

Describe Area Affected and Cleanup Action Taken.*

The area affect was appx. 85' by 35'. Loss of power to transfer pump caused a tank to over spill 70 bbls of produced water to leak onto the ground. 60 bbls of produced water were recovered via vacuum truck and power was restored. Remediation will be performed in accordance with an approved plan from 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:	<u>OIL CONSERVATION DIVISION</u>		
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: 4/8/13	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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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	Prize 27 Federal #2	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-31902

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	200 bbls	Volume Recovered	180 bbls
Source of Release	Faulty check valve on the water transfer pump	Date and Hour of Occurrence	04/29/2013	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?	Jennifer Van Curen-BLM, Jim Amos-BLM and Geoffrey Leking-OCD		
By Whom?	Chancey Summers	Date and Hour	05/01/2013 @ 10:07 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.*

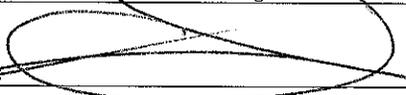
Describe Cause of Problem and Remedial Action Taken.*

A faulty check valve on the water transfer pump caused 200 bbls of produced water to leak onto the ground. 180 bbls of produced water were recovered via vacuum truck and the valve was repaired.

Describe Area Affected and Cleanup Action Taken.*

A faulty check valve on the water transfer pump caused 200 bbls of produced water to leak onto the ground. 180 bbls of produced water were recovered via vacuum truck and the valve was repaired. Remediation will be performed in accordance with an approved plan from 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: 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: 5/8/13	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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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	Prize 27 Federal #2 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No. 30-025-31902 (nearest well)	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	16 bbls	Volume Recovered	0 bbls
Source of Release	Failed coupling caused motor to run without turning pump	Date and Hour of Occurrence	02/11/2014	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?	Jennifer Van Curen-BLM, Geoffrey Leking-OCD		
By Whom?	Kathy Purvis	Date and Hour	02/11/2014 @ 4:32 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.*

Failed coupling caused a motor to run without turning the pump; therefore 16 bbls of produced water leaked onto the ground. No fluids were recovered and the coupling was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area approximately 20' x 35' on location near the two East tanks. Remediation will be performed in accordance with a remediation plan approved by 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:	<u>OIL CONSERVATION DIVISION</u>		
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: 2-11-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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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	Prize 27 Federal #2 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	API No.30-025-31902(nearest well)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

NATURE OF RELEASE

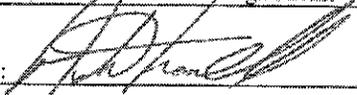
Type of Release	Oil and Produced water	Volume of Release	1 bbl oil and 131 bbls produced water	Volume Recovered	130 bbls
Source of Release	Failure of the transfer pump overload button	Date and Hour of Occurrence	02/18/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Jennifer Van Curen-BLM, Geoffrey Leking-OCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	02/18/2014 @ 3:33 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 failure of a transfer pump overload button caused 1 bbl of oil and 131 bbls of produced water to spill onto the ground. A total of 130 bbls of fluid were recovered via vacuum truck and the overload button was reset or replaced.

Describe Area Affected and Cleanup Action Taken.*
The affected area approximately 30' x 60' on location inside the containment. Remediation will be performed in accordance with a remediation plan approved by NMOCD and the BLM.

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Signature:		OIL CONSERVATION DIVISION	
Printed Name:	Austin Tramell	Approved by District Supervisor:	
Title:	HES Specialist	Approval Date:	Expiration Date:
E-mail Address:	Austin.Tramell@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	2/19/14	Phone:	(575) 397-8210

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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	Prize 27 Federal #2	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-31902

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	70 bbls	Volume Recovered	60 bbls
Source of Release	loss of power to transfer pump caused a tank to over spill	Date and Hour of Occurrence	04/1/2013	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?	Jennifer Van Curen-BLM, Jim Amos-BLM and Geoffrey Leking-OCD		
By Whom?	Chancey Summers	Date and Hour	04/2/2013 @ 10:02 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.*
Loss of power to transfer pump caused a tank to over spill 70 bbls of produced water to leak onto the ground. 60 bbls of produced water were recovered via vacuum truck and power was restored.

Describe Area Affected and Cleanup Action Taken.*
The area affect was appx. 85' by 35'. Loss of power to transfer pump caused a tank to over spill 70 bbls of produced water to leak onto the ground. 60 bbls of produced water were recovered via vacuum truck and power was restored. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 08/11/2014 and approved by Jennifer Van Curen of the BLM in a meeting.

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Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>10-10-14</u> Phone: (575) 397-8216			

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OPERATOR

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Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Prize 27 Federal #2	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-31902

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

NATURE OF RELEASE

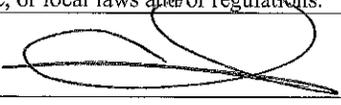
Type of Release	Produced water	Volume of Release	200 bbls	Volume Recovered	180 bbls
Source of Release	Faulty check valve on the water transfer pump	Date and Hour of Occurrence	04/29/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Jennifer Van Curen-BLM, Jim Amos-BLM and Geoffrey Leking-OCD		
By Whom?	Chancey Summers	Date and Hour	05/01/2013 @ 10:07 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.*
A faulty check valve on the water transfer pump caused 200 bbls of produced water to leak onto the ground. 180 bbls of produced water were recovered via vacuum truck and the valve was repaired.

Describe Area Affected and Cleanup Action Taken.*
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Signature:		OIL CONSERVATION DIVISION	
Printed Name:	Chancey Summers	Approved by District Supervisor:	
Title:	HES Advisor	Approval Date:	Expiration Date:
E-mail Address:	Chancey.Summers@oxy.com	Conditions of Approval:	
Date:	10-10-14	Phone:	(575) 397-8216
			Attached <input type="checkbox"/>

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Facility Name	Prize 27 Federal #2 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	API No.30-025-31902(nearest well)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	16 bbls	Volume Recovered	0 bbls
Source of Release	Failed coupling caused motor to run without turning pump	Date and Hour of Occurrence	02/11/2014	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?	Jennifer Van Curen-BLM, Geoffrey Leking-OCD		
By Whom?	Kathy Purvis	Date and Hour	02/11/2014 @ 4:32 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.*

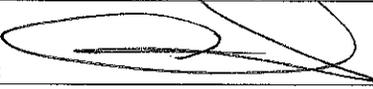
Describe Cause of Problem and Remedial Action Taken.*

Failed coupling caused a motor to run without turning the pump; therefore 16 bbls of produced water leaked onto the ground. No fluids were recovered and the coupling was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area approximately 20' x 35' on location near the two East tanks. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 08/11/2014 and approved by Jennifer Van Curen of the BLM in a meeting.

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 District Supervisor:	
Title:	HES Advisor			Approval Date:	Expiration Date:
E-mail Address:	Chancey.Summers@oxy.com			Conditions of Approval:	
Date:	10-10-14			Attached <input type="checkbox"/>	
	Phone: (575) 397-8216				

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Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Prize 27 Federal #2 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.30-025-31902(nearest well)	

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 32.35709° Longitude W 103.65617°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	1 bbl oil and 131 bbls produced water	Volume Recovered	130 bbls
Source of Release	Failure of the transfer pump overload button	Date and Hour of Occurrence	02/18/2014	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?	Jennifer Van Curen-BLM, Geoffrey Leking-OCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	02/18/2014 @ 3:33 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.*

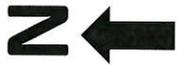
Describe Cause of Problem and Remedial Action Taken.*
The failure of a transfer pump overload button caused 1 bbl of oil and 131 bbls of produced water to spill onto the ground. A total of 130 bbls of fluid were recovered via vacuum truck and the overload button was reset or replaced.

Describe Area Affected and Cleanup Action Taken.*
The affected area approximately 30' x 60' on location inside the containment. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 08/11/2014 and approved by Jennifer Van Curen of the BLM in a meeting.

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.

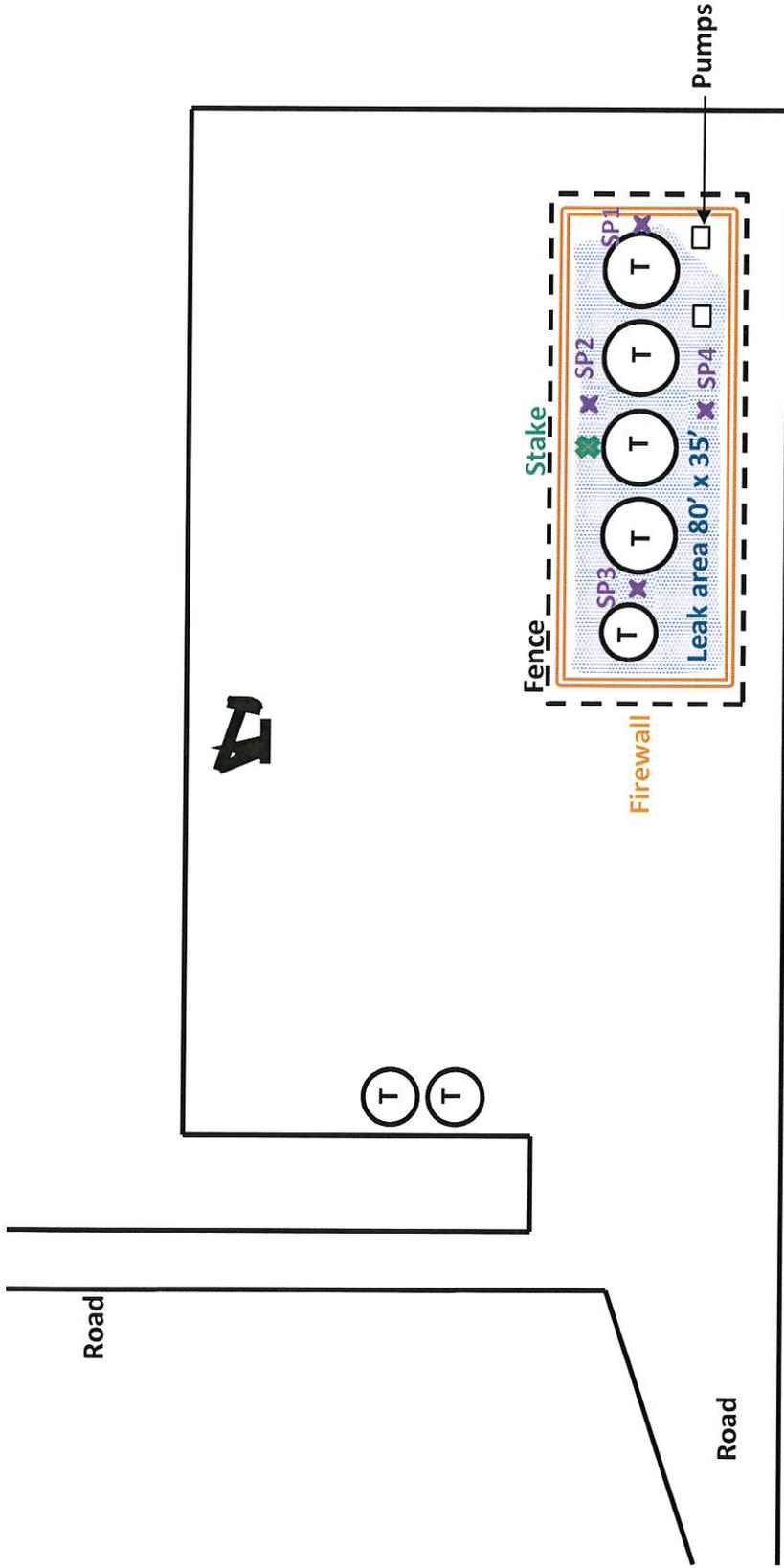
Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: Chancey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>10-10-14</u> Phone: (575) 397-8210			

* Attach Additional Sheets If Necessary



Oxy

Prize 27 Federal #2 Battery (4/1/13)



U/L P, Section 27, T22S, R32E
660' FSL and 660' FEL
Lea County, NM
N 32.35709° W 103.65617°
API# 30-025-31902, NM# 81272

BBC International, Inc.

Oxy

Prize 27 Federal #2 Battery

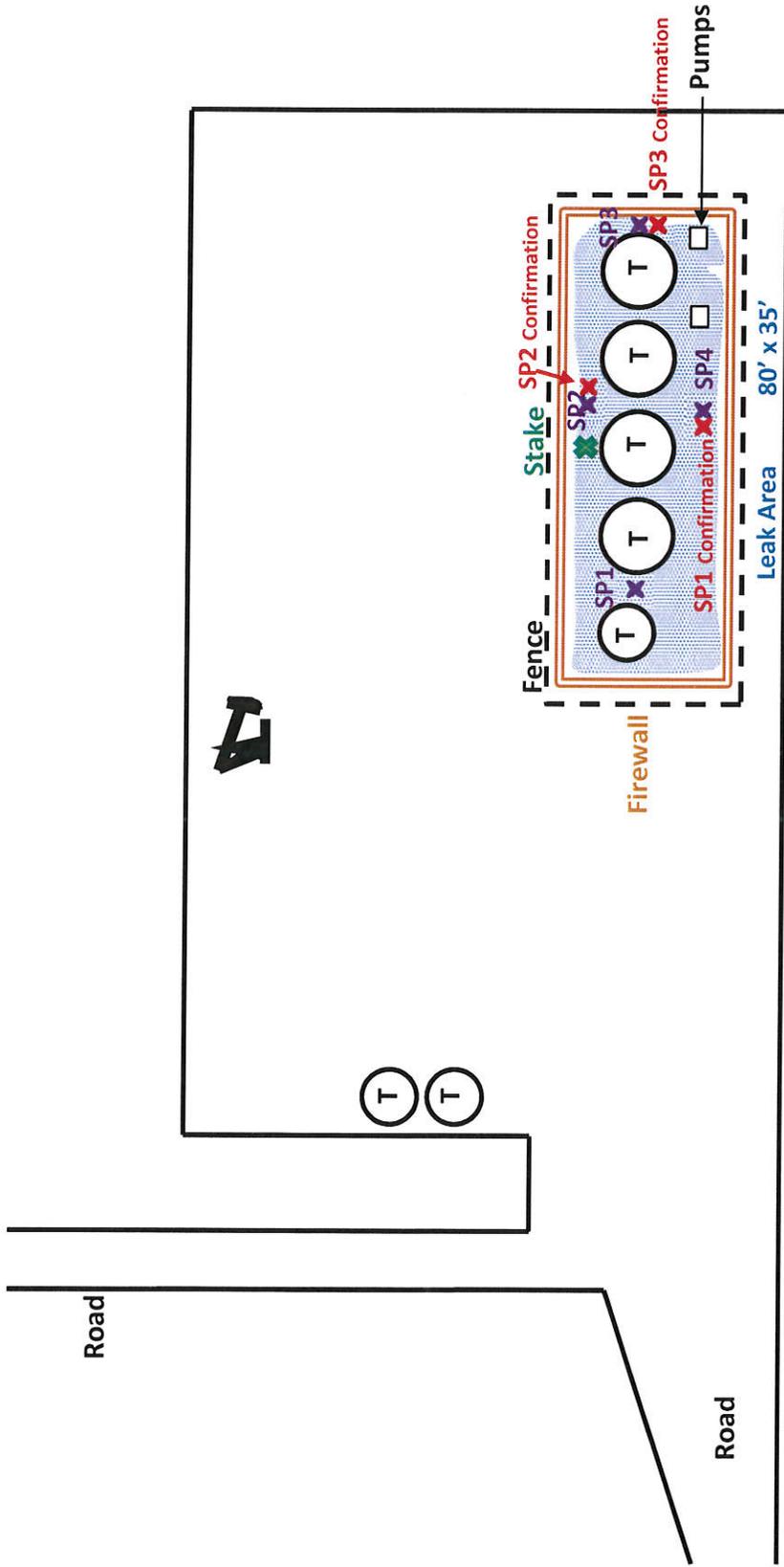
Date: 04/05/2013 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2013



Oxy

Prize 27 Federal #2 Battery (4/29/13)



- ✘ Initial Sampling event 11/8/13
- ✘ Confirmation Sampling 4/30/14

U/L P, Section 27, T22S, R32E
660' FSL and 660' FEL
Lea County, NM
N 32.35709° W 103.65617°
API# 30-025-31902, NM# 81272

BBC International, Inc.

Oxy

Prize 27 Federal #2 Battery

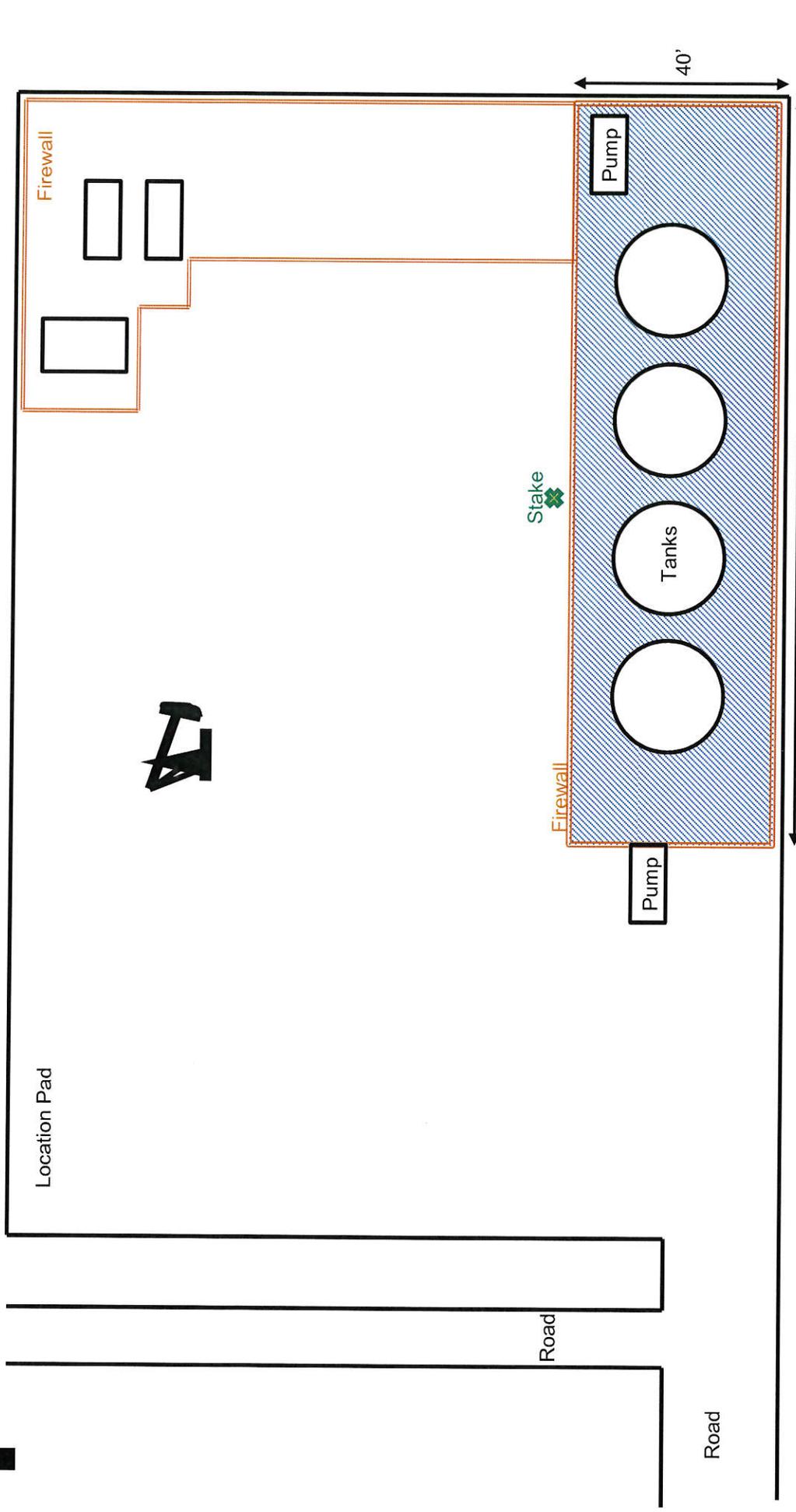
Date: 07/12/2013 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2013



Oxy

Prize 27 Federal #2 Battery 2/11/14 and 2/18/14



U/L P, Section 27, T22S, R32E
660' FSL, 660' FEL
Lea County, NM
N 32.35708° W 103.65606° at stake
API# 30-025-31902 (nearest well)

BBC International, Inc.	
Oxy	
Prize 27 Federal #2 Battery	
Date: 02/20/2014	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2014	



Groundwater Plot

Oxy Prize 27 Federal #2 Battery

County
Lea

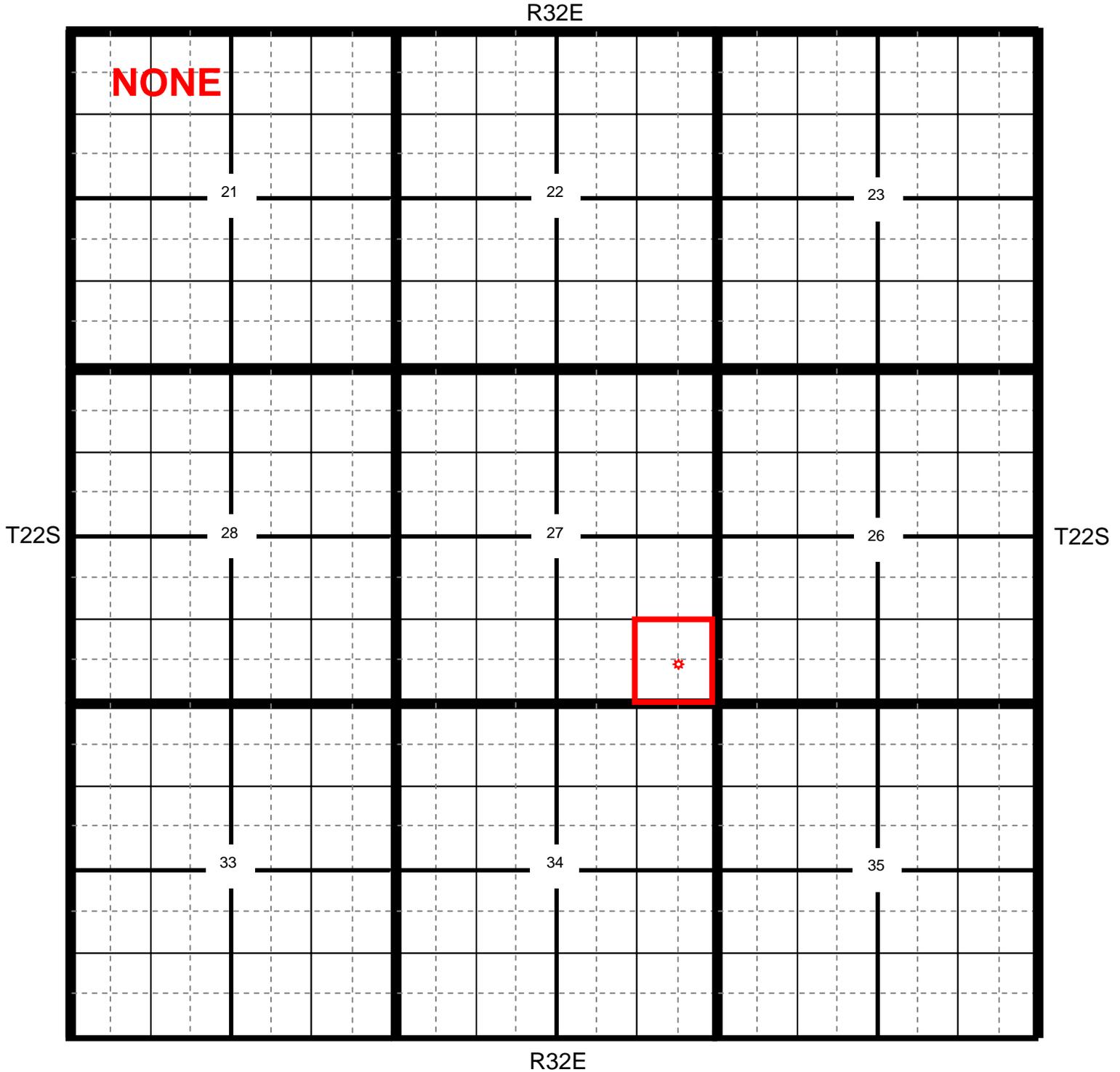
Unit Letter
P

Section
27

Township
22S

Range
32E

Trend Map 425'



🌟 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Prize 27 Federal #2 Battery

County: Lea Unit Letter: P Section: 27 Township: 22S Range: 32E

Trend Map 425'

1

2

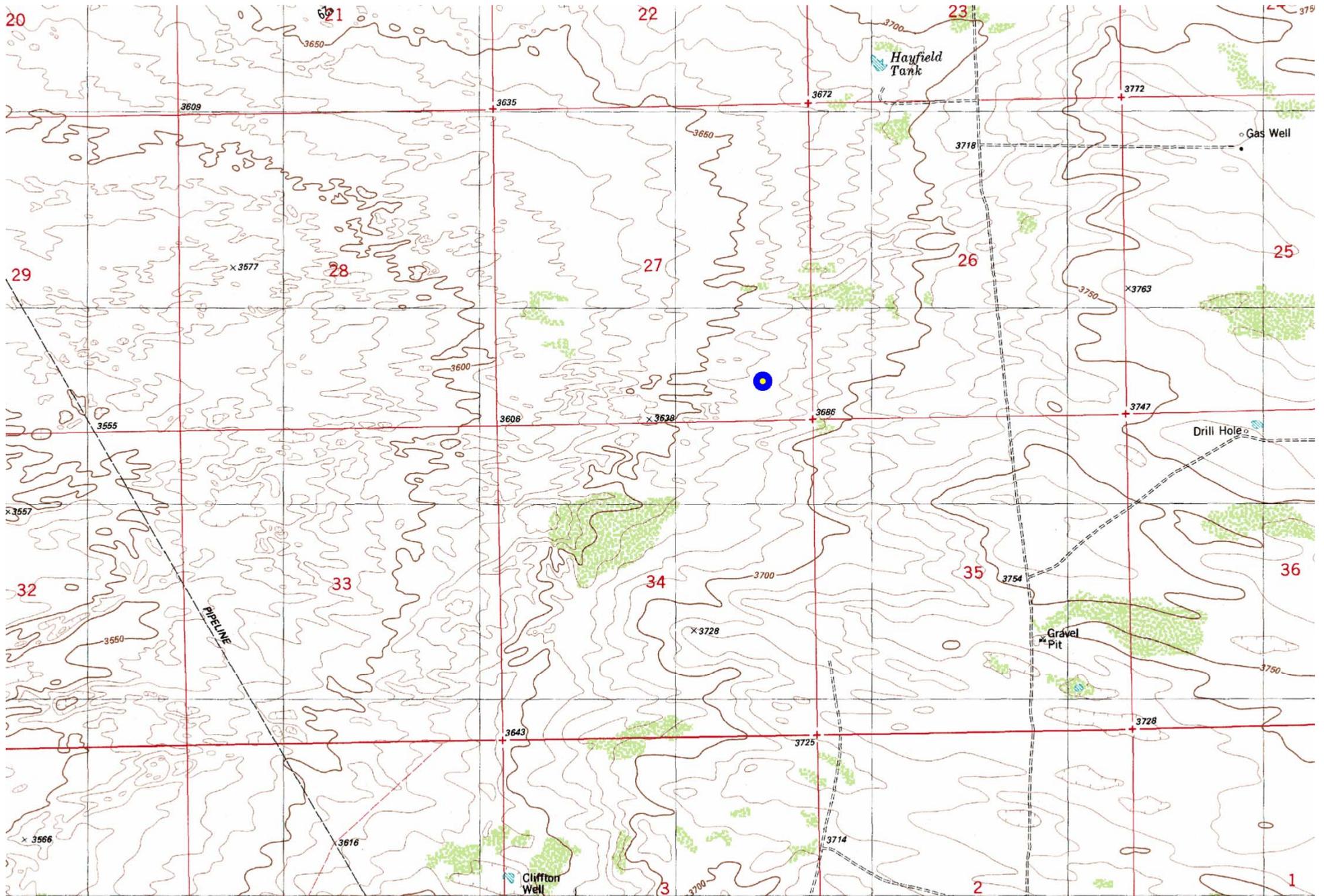
NW/NW NONE	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit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

3

4

Oxy

Prize 27 Federal #2 Battery



**Laboratory Analytical Results Summary
Prize 27 #2**

		Sample	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	4/10/13	4/10/13	4/10/13
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		160	32	32

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	4/10/13	4/10/13	4/10/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		4.18	<0.050	n/a
Toluene	BTEX 8021B		21.2	<0.050	n/a
Ethylbenzene	BTEX 8021B		18	<0.050	n/a
Total Xylenes	BTEX 8021B		58.2	<0.150	n/a
Total BTEX	BTEX 8021B		102	<0.300	n/a
Chloride	SM4500Cl-B		256	48	<16.0
GRO	TPH 8015M		3350	<10.0	n/a
DRO	TPH 8015M		35800	136	n/a

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	4/10/13	4/10/13	4/10/13
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		320	64	<16.0

		Sample	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	4/10/13	4/10/13	4/10/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.44	<0.050	n/a
Toluene	BTEX 8021B		16.6	<0.050	n/a
Ethylbenzene	BTEX 8021B		13.9	<0.050	n/a
Total Xylenes	BTEX 8021B		45	<0.150	n/a
Total BTEX	BTEX 8021B		78.9	<0.300	n/a
Chloride	SM4500Cl-B		352	32	32
GRO	TPH 8015M		2450	<10.0	n/a
DRO	TPH 8015M		35400	209	n/a

**Laboratory Analytical Results Summary
PRIZE 27-2**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	11/8/13	11/8/13	11/8/13	11/8/13	11/8/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.200	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.200	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	0.611	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	1.02	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	1.64	n/a	n/a	<0.300
Chloride	SM4500Cl-B		17000	464	224	80	128
GRO	TPH 8015M		n/a	116	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	2320	n/a	n/a	53.4

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	11/11/13	11/11/13	11/11/13	11/11/13	11/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<1.00	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	2.3	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	3.01	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	7.99	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	13.3	n/a	n/a	<0.300
Chloride	SM4500Cl-B		5860	4800	1470	608	112
GRO	TPH 8015M		n/a	619	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	5120	n/a	n/a	22.8

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	11/11/13	11/11/13	11/11/13	11/11/13	11/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	<0.300
Chloride	SM4500Cl-B		11500	1090	1630	1800	192
GRO	TPH 8015M		n/a	<50.0	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	503	n/a	n/a	61

		Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	11/11/13	11/11/13	11/11/13	11/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	0.254	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	0.307	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	0.561	n/a	<0.300
Chloride	SM4500Cl-B		10100	1880	1220	192
GRO	TPH 8015M		n/a	<50.0	n/a	<10.0
DRO	TPH 8015M		n/a	520	n/a	122

Laboratory Analytical Results Summary
Prize 27 Federal #2

Analyte	Method	Sample	SP1 @ 2' (Confirmation)	SP2 @ 2' (Confirmation)	SP3 @ 2' (Confirmation)
		Date	4/30/14	4/30/14	4/30/14
			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		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		960	864	1170
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0



April 18, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PRIZE 27 #2

Enclosed are the results of analyses for samples received by the laboratory on 04/12/13 9:00.

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: 04/12/2013
 Reported: 04/18/2013
 Project Name: PRIZE 27 #2
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 04/10/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ SURFACE (H300875-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/16/2013	ND	432	108	400	0.00	

Sample ID: SP 1 @ 1' (H300875-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2013	ND	432	108	400	0.00	

Sample ID: SP 1 @ 2' (H300875-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2013	ND	432	108	400	0.00	

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:	04/12/2013	Sampling Date:	04/10/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ SURFACE (H300875-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.18	0.500	04/16/2013	ND	1.95	97.6	2.00	7.04	
Toluene*	21.2	0.500	04/16/2013	ND	1.94	96.8	2.00	6.83	
Ethylbenzene*	18.0	0.500	04/16/2013	ND	1.92	96.0	2.00	7.16	
Total Xylenes*	58.2	1.50	04/16/2013	ND	5.59	93.2	6.00	6.83	
Total BTEX	102	3.00	04/16/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 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	256	16.0	04/16/2013	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	3350	100	04/15/2013	ND	195	97.6	200	3.04	
DRO >C10-C28	35800	100	04/15/2013	ND	195	97.3	200	3.66	

Surrogate: 1-Chlorooctane 122 % 65.2-140

Surrogate: 1-Chlorooctadecane 1430 % 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:	04/12/2013	Sampling Date:	04/10/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H300875-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2013	ND	1.95	97.6	2.00	7.04	
Toluene*	<0.050	0.050	04/16/2013	ND	1.94	96.8	2.00	6.83	
Ethylbenzene*	<0.050	0.050	04/16/2013	ND	1.92	96.0	2.00	7.16	
Total Xylenes*	<0.150	0.150	04/16/2013	ND	5.59	93.2	6.00	6.83	
Total BTEX	<0.300	0.300	04/16/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	48.0	16.0	04/16/2013	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	04/15/2013	ND	195	97.6	200	3.04	
DRO >C10-C28	136	10.0	04/15/2013	ND	195	97.3	200	3.66	

Surrogate: 1-Chlorooctane 94.8 % 65.2-140
Surrogate: 1-Chlorooctadecane 120 % 63.6-154
Sample ID: SP 2 @ 2' (H300875-06)

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	04/16/2013	ND	432	108	400	0.00	

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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:	04/12/2013	Sampling Date:	04/10/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ SURFACE (H300875-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/16/2013	ND	432	108	400	0.00	

Sample ID: SP 3 @ 1' (H300875-08)

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	04/16/2013	ND	432	108	400	0.00	

Sample ID: SP 3 @ 2' (H300875-09)

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	04/16/2013	ND	432	108	400	0.00	

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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:	04/12/2013	Sampling Date:	04/10/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ SURFACE (H300875-10)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.44	1.00	04/16/2013	ND	1.95	97.6	2.00	7.04	
Toluene*	16.6	1.00	04/16/2013	ND	1.94	96.8	2.00	6.83	
Ethylbenzene*	13.9	1.00	04/16/2013	ND	1.92	96.0	2.00	7.16	
Total Xylenes*	45.0	3.00	04/16/2013	ND	5.59	93.2	6.00	6.83	
Total BTEX	78.9	6.00	04/16/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 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	352	16.0	04/16/2013	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	2450	100	04/15/2013	ND	195	97.6	200	3.04	
DRO >C10-C28	35400	100	04/15/2013	ND	195	97.3	200	3.66	

Surrogate: 1-Chlorooctane 213 % 65.2-140

Surrogate: 1-Chlorooctadecane 1520 % 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:	04/12/2013	Sampling Date:	04/10/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 1' (H300875-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2013	ND	1.95	97.6	2.00	7.04	
Toluene*	<0.050	0.050	04/16/2013	ND	1.94	96.8	2.00	6.83	
Ethylbenzene*	<0.050	0.050	04/16/2013	ND	1.92	96.0	2.00	7.16	
Total Xylenes*	<0.150	0.150	04/16/2013	ND	5.59	93.2	6.00	6.83	
Total BTEX	<0.300	0.300	04/16/2013	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2013	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	04/15/2013	ND	195	97.6	200	3.04	
DRO >C10-C28	209	10.0	04/15/2013	ND	195	97.3	200	3.66	

Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

Sample ID: SP 4 @ 2' (H300875-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2013	ND	432	108	400	0.00	

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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



Celey D. Keene, Lab Director/Quality Manager



November 21, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PRIZE 27 #2

Enclosed are the results of analyses for samples received by the laboratory on 11/15/13 8:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in 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:	11/15/2013	Sampling Date:	11/08/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ SURFACE (H302790-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17000	16.0	11/21/2013	ND	432	108	400	3.77	

Sample ID: SP 1 @ 1 FT (H302790-02)

BTEX 8021B		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	11/18/2013	ND	2.14	107	2.00	2.60		
Toluene*	<0.200	0.200	11/18/2013	ND	2.12	106	2.00	2.40		
Ethylbenzene*	0.611	0.200	11/18/2013	ND	2.12	106	2.00	2.58		
Total Xylenes*	1.02	0.600	11/18/2013	ND	6.19	103	6.00	2.34		
Total BTEX	1.64	1.20	11/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 151 % 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	464	16.0	11/21/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	116	50.0	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	2320	50.0	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 67.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 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:	11/15/2013	Sampling Date:	11/08/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ 2 FT (H302790-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/21/2013	ND	432	108	400	3.77	

Sample ID: SP 1 @ 3 FT (H302790-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/21/2013	ND	432	108	400	3.77	

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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:	11/15/2013	Sampling Date:	11/08/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ 4 FT (H302790-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/18/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/18/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/18/2013	ND	6.19	103	6.00	2.34	
Total BTEX	<0.300	0.300	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	11/21/2013	ND	432	108	400	3.77	

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	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	53.4	10.0	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 95.3 % 65.2-140
Surrogate: 1-Chlorooctadecane 109 % 63.6-154
Sample ID: SP 2 @ SURFACE (H302790-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5860	16.0	11/21/2013	ND	432	108	400	3.77	

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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:	11/15/2013	Sampling Date:	11/11/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 2 @ 1 FT (H302790-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/18/2013	ND	2.14	107	2.00	2.60	
Toluene*	2.30	1.00	11/18/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	3.01	1.00	11/18/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	7.99	3.00	11/18/2013	ND	6.19	103	6.00	2.34	
Total BTEX	13.3	6.00	11/18/2013	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	11/21/2013	ND	432	108	400	3.77	

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	619	100	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	5120	100	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 172 % 65.2-140

Surrogate: 1-Chlorooctadecane 390 % 63.6-154

Sample ID: SP 2 @ 2 FT (H302790-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	11/21/2013	ND	432	108	400	3.77	

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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:	11/15/2013	Sampling Date:	11/11/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 2 @ 3 FT (H302790-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	11/21/2013	ND	432	108	400	3.77	

Sample ID: SP 2 @ 4 FT (H302790-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTEX	<0.300	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	112	16.0	11/21/2013	ND	432	108	400	3.77	

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	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	22.8	10.0	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.3 % 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:	11/15/2013	Sampling Date:	11/11/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ SURFACE (H302790-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11500	16.0	11/21/2013	ND	432	108	400	3.77	

Sample ID: SP 3 @ 1' (H302790-12)

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	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTEX	<0.300	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	11/21/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	503	50.0	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 81.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 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:	11/15/2013	Sampling Date:	11/11/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ 2' (H302790-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	11/21/2013	ND	432	108	400	3.77	

Sample ID: SP 3 @ 3' (H302790-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	11/21/2013	ND	432	108	400	3.77	

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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: 11/15/2013
 Reported: 11/21/2013
 Project Name: PRIZE 27 #2
 Project Number: NONE GIVEN
 Project Location: C-29

 Sampling Date: 11/11/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 4' (H302790-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTEX	<0.300	0.300	11/19/2013	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/21/2013	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	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	61.0	10.0	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.8 % 63.6-154

Sample ID: SP 4 @ SURFACE (H302790-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10100	16.0	11/21/2013	ND	432	108	400	0.00	

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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:	11/15/2013	Sampling Date:	11/11/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ 1 (H302790-17)

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	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	0.254	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	0.307	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTEX	0.561	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 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	1880	16.0	11/21/2013	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	<50.0	50.0	11/18/2013	ND	215	108	200	0.572	
DRO >C10-C28	520	50.0	11/18/2013	ND	210	105	200	2.06	

Surrogate: 1-Chlorooctane 70.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 132 % 63.6-154

Sample ID: SP 4 @ 2 (H302790-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	11/21/2013	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/15/2013	Sampling Date:	11/11/2013
Reported:	11/21/2013	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ 3 (H302790-19)

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	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTEX	<0.300	0.300	11/19/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/21/2013	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	11/18/2013	ND	215	108	200	0.572	
DRO >C10-C28	122	10.0	11/18/2013	ND	210	105	200	2.06	

Surrogate: 1-Chlorooctane 93.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 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



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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company:
 Address: P.O. Box 805 State: NM Zip: 88241
 City: Hobbs Attn: NAME
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner:
 Project Name: Pipe 27-2 City: NAME
 Project Location: C-29 State: Zip:
 Sampler Name: Gary Roy Phone #:
 FOR LAB USE ONLY Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL- TPH B Tox
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H302790	11-513 (a) surface	G	6			X				11/1/13	11:30	X
	12-513 (a) 1'	G	6			X				11/1/13	11:45	X
	13-513 (a) 2'	G	6			X				11/1/13	11:58	X
	14-513 (a) 3'	G	6			X				11/1/13	12:36	X
	15-513 (a) 4'	G	6			X				11/1/13	1:00	X
	16-513 (a) surface	G	6			X				11/1/13	1:45	X
	17-513 (a) 1'	G	6			X				11/1/13	2:15	X
	18-513 (a) 2'	G	6			X				11/1/13	2:38	X
	19-513 (a) 3'	G	6			X				11/1/13	2:55	X

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Relinquished By: [Signature] Date: 11/5/13 Time: 8:51
 Received By: [Signature] Date: 11/5/13 Time: 8:51
 Delivered By: (Circle One) Sample Condition: Cool Direct Yes No
 Sampler - UPS - Bus - Other: 5.62
 CHECKED BY: [Signature]
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: #54



May 02, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PRIZE 27 #2

Enclosed are the results of analyses for samples received by the laboratory on 05/01/14 11:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in 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:	05/01/2014	Sampling Date:	04/30/2014
Reported:	05/02/2014	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	C-29		

Sample ID: SP 1 CONFIRMATION @ 2 (H401325-01)

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	2.14	107	2.00	6.40	
Toluene*	<0.050	0.050	05/02/2014	ND	2.13	107	2.00	5.91	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.11	106	2.00	5.51	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	6.38	106	6.00	4.43	
Total BTEX	<0.300	0.300	05/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	960	16.0	05/02/2014	ND	400	100	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	05/02/2014	ND	174	86.8	200	1.74	
DRO >C10-C28	<10.0	10.0	05/02/2014	ND	199	99.3	200	3.05	

Surrogate: 1-Chlorooctane 113 % 65.2-140
Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/01/2014	Sampling Date:	04/30/2014
Reported:	05/02/2014	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	C-29		

Sample ID: SP 2 CONFIRMATION @ 2 (H401325-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.14	107	2.00	6.40	
Toluene*	<0.050	0.050	05/02/2014	ND	2.13	107	2.00	5.91	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.11	106	2.00	5.51	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	6.38	106	6.00	4.43	
Total BTEX	<0.300	0.300	05/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	864	16.0	05/02/2014	ND	400	100	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	05/02/2014	ND	174	86.8	200	1.74	
DRO >C10-C28	<10.0	10.0	05/02/2014	ND	199	99.3	200	3.05	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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*=Accredited Analyte

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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:	05/01/2014	Sampling Date:	04/30/2014
Reported:	05/02/2014	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	C-29		

Sample ID: SP 3 CONFIRMATION @ 2 (H401325-03)

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	05/02/2014	ND	2.14	107	2.00	6.40		
Toluene*	<0.050	0.050	05/02/2014	ND	2.13	107	2.00	5.91		
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.11	106	2.00	5.51		
Total Xylenes*	<0.150	0.150	05/02/2014	ND	6.38	106	6.00	4.43		
Total BTEX	<0.300	0.300	05/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	1170	16.0	05/02/2014	ND	400	100	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	05/02/2014	ND	174	86.8	200	1.74		
DRO >C10-C28	<10.0	10.0	05/02/2014	ND	199	99.3	200	3.05		

Surrogate: 1-Chlorooctane 93.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.8 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		
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		
Project #:		Project Owner: DXY		
Project Name: Pulte 27 Federal #2		City: Pulte		
Project Location: Pulte Ranch Road		State: NM	Zip: Pulte	
Sampler Name: ZEEF PENELAS		Phone #:		
FOR LAB USE ONLY		Fax #:		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	CL	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:							
H40325-	SP 1-contaminator 02	G	1	X						X	4:30	1036	X	X	X	
	SP 2-contaminator 02	G	1	X						X	4:30	1106	X	X	X	
	SP 3-contaminator 02	G	1	X						X	4:30	1122	X	X	X	

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Relinquished By: [Signature]	Date: 5-1-14	Received By: [Signature]	Date: 5-1-14
Relinquished By: [Signature]	Time: 11:10	Received By: [Signature]	Time: 11:10
Delivered By (Circle One): Jennifer Gekky	Date: 5-1-14	Sample Condition:	CHECKED BY: [Signature]
Sampler - UPS - Bus - Other: 9:22	Time: 11:25	Good Contact: Yes [X] No []	(Initials) [Signature]

REMARKS: PUSTY

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

Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Monday, February 03, 2014 7:36 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Oxy-Prize 27 Federal #2 Battery-Remediation Plan

Cliff

The remediation proposal described in the email below is approved.

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: Friday, January 31, 2014 4:17 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Oxy-Prize 27 Federal #2 Battery-Remediation Plan

Geoff,

This message is to confirm our discussion on January 30, 2014 concerning the remediation plan for the Oxy Prize 27 Federal #2 Battery site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate the entire spill area to a depth of 1 to 2 feet or as practicable, but will attempt to get as close to 2 feet as possible. The area will then be backfilled with clean soil. This remediation plan will remediate the two spills that occurred at the site on 4/1/13 and 4/29/13.

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

Thanks, Cliff

If you would please reply back via e-mail with your concurrence to this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
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Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
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1324 W. Marland St.
Hobbs, NM 88240 USA

Kathy Purvis

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Sent: Monday, August 11, 2014 9:21 AM
To: Kathy Purvis
Subject: RE: OXY-Prize 27 Federal #2 Battery-Remediation Plan

Aloha MS Purvis,

Based on the documents provided and the discussions with Mr. Brunson, please let this be official notice of NMOCD's approval for the proposed remediation of this event.

If you have any questions let me know.

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240
(O): (575) 393-6161 ext 111
(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Kathy Purvis [<mailto:kathy@bbcinternational.com>]
Sent: Monday, August 11, 2014 9:21 AM
To: Oberding, Tomas, EMNRD
Subject: RE: OXY-Prize 27 Federal #2 Battery-Remediation Plan

Can I also get email confirmation of approval for this site?

Kathy Purvis

BBC International, Inc.
1324 W. Marland
Hobbs, NM 88240
Phone: (575) 397-6388
Fax: (575) 397-0397
Email: kathy@bbcinternational.com

From: Oberding, Tomas, EMNRD [<mailto:Tomas.Oberding@state.nm.us>]
Sent: Friday, August 08, 2014 11:57 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Prize 27 Federal #2 Battery-Remediation Plan

You RP for this event is:

1RP-3223

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
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(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Thursday, August 07, 2014 5:10 PM
To: Oberding, Tomas, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Prize 27 Federal #2 Battery-Remediation Plan

Tomas,

This e-mail is to confirm our conversation today, August 7, 2014 , to refresh our first conversation on July 3, 2014 with Geoff about the closure of the remediation plans for the above referenced site. I have attached the materials that we used in our discussion. As discussed, there had been a total of 4 leaks at the site in the same area. The first two had been delineated and had approved remediation plans and just before we started the clean up, two other leaks occurred. When we did start the remediation activities, we were able to clean up the impacted soils for all four leaks. In addition, we took confirmation samples for verification. This data is also inclosed in the information packet.

Therefore, Oxy is requesting the approval to backfill this site and thereby closing all four leaks that have occurred at the site. Upon receipt of written approval, the site will then be backfilled with clean soil. Final C-141s will be sent upon completion.

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

Thanks, Cliff

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Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Tuesday, February 04, 2014 7:20 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: FW: Oxy-Prize 27 Federal #2 Battery-Remediation Plan

CJ,
Plan is approved with stips.

1. If 2' cannot be reached at SP2 and SP3, I will need samples at point reached for confirmation.
2. Cleanup actions must be initiated within **30** days of plan approval.
3. 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.

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 Mon, Feb 3, 2014 at 2:40 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Geoff Leking of the NMOCD as referenced by his e-mail below. Oxy will excavate the impacted area to a depth of 1 to 2 feet attempting to get to 2 feet if possible as depicted on the attached site drawing. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

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From: Geoffrey Leking <geoffreyr.leking@state.nm.us>

Date: Monday, February 3, 2014 7:35 AM

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-Prize 27 Federal #2 Battery-Remediation Plan

Cliff

The remediation proposal described in the email below is approved.

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.leking@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]

Sent: Friday, January 31, 2014 4:17 PM

To: Leking, Geoffrey R, EMNRD

Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Oxy-Prize 27 Federal #2 Battery-Remediation Plan

Geoff,

This message is to confirm our discussion on January 30, 2014 concerning the remediation plan for the Oxy Prize 27 Federal #2 Battery site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate the entire spill area to a depth of 1 to 2 feet or as practicable, but will attempt to get as close to 2 feet as possible. The area will then be backfilled with clean soil. This remediation plan will remediate the two spills that occurred at the site on 4/1/13 and 4/29/13.

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

Thanks, Cliff

If you would please reply back via e-mail with your concurrence to this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

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