

## 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

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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.\*

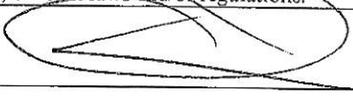
Loss of power to transfer pump caused a tank to over spill 70 bbls of produced water to leak onto the ground. 60 bbls of produced water were recovered via vacuum truck and power was restored.

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.

**OIL CONSERVATION DIVISION**

Signature:			
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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**OPERATOR**

Initial Report  Final Report

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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.\*

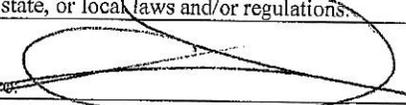
A faulty check valve on the water transfer pump caused 200 bbls of produced water to leak onto the ground. 180 bbls of produced water were recovered via vacuum truck and the valve was repaired.

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.

**OIL CONSERVATION DIVISION**

Signature: 	Approved by District Supervisor:	
Printed Name: Chancey Summers	Approval Date:	Expiration Date:
Title: HES Specialist	Conditions of Approval:	
E-mail Address: Chancey.Summers@oxy.com	Attached <input type="checkbox"/>	
Date: 5/8/13	Phone: (575) 397-8216	

\* Attach Additional Sheets If Necessary

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**OPERATOR**

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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
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.\*

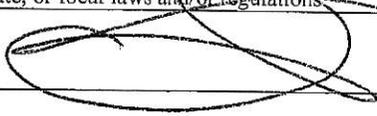
Failed coupling caused a motor to run without turning the pump; therefore 16 bbls of produced water leaked onto the ground. No fluids were recovered and the coupling was replaced.

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.

**OIL CONSERVATION DIVISION**

Signature:			
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:	
Date:	2-11-14	Phone:	(575) 397-8216
			Attached <input type="checkbox"/>

\* 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.					
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: 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				

\* 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	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.

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

OIL CONSERVATION DIVISION

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

\* Attach Additional Sheets If Necessary

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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 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:		<b>OIL CONSERVATION DIVISION</b>	
Printed Name:	Chancey Summers	Approved by District Supervisor:	Jocelyn Harimon
Title:	HES Advisor	Approval Date:	07/12/2023
E-mail Address:	Chancey.Summers@oxy.com	Expiration Date:	
Date:	10-10-14	Conditions of Approval:	Attached <input type="checkbox"/>
Phone:	(575) 397-8216		

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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.

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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: 10-10-14	Phone: (575) 397-8216		

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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.

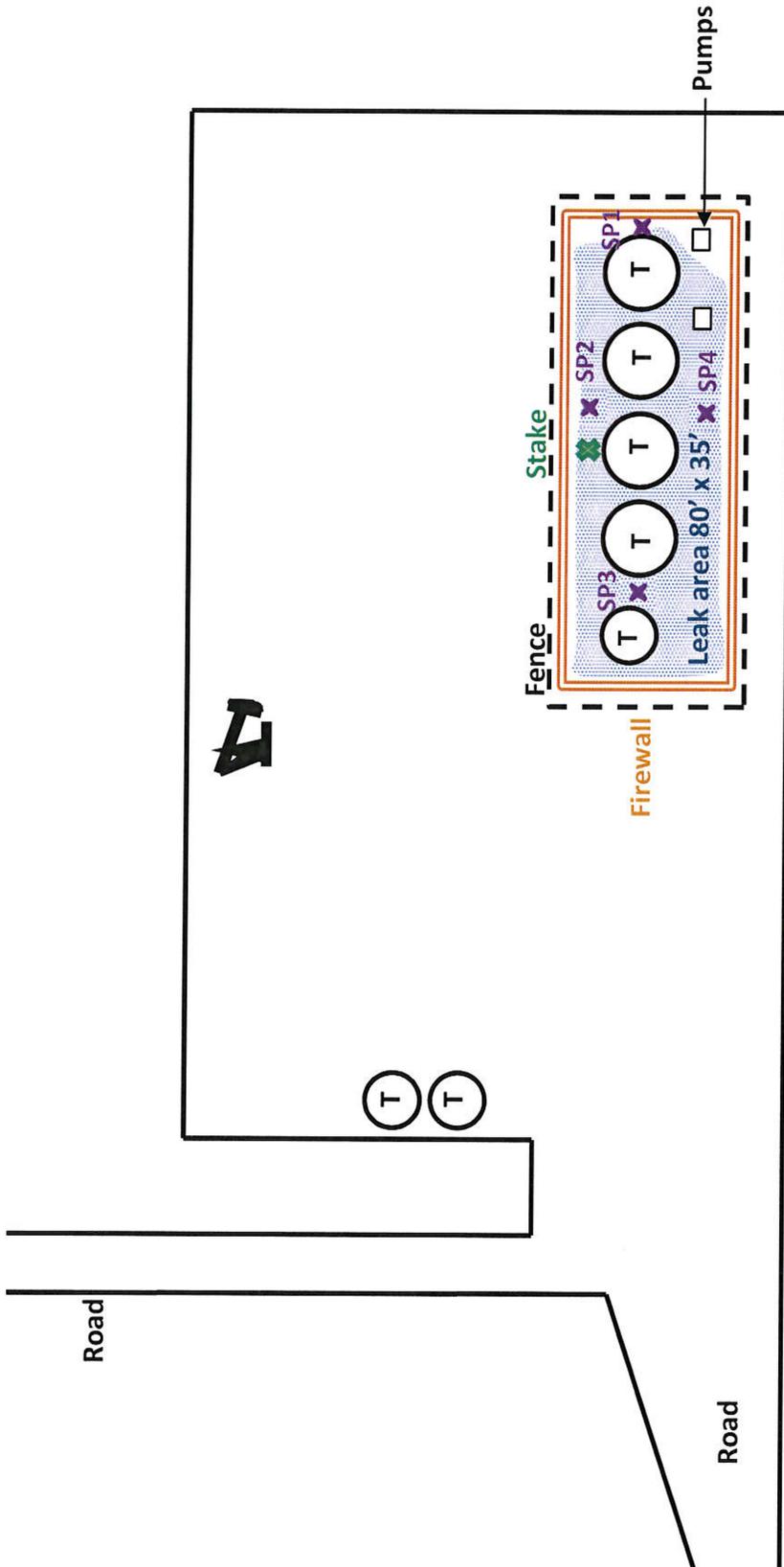
Describe Area Affected and Cleanup Action Taken.\*  
The affected area approximately 30' x 60' on location inside the containment. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 08/11/2014 and approved by Jennifer Van Curen of the BLM 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:		<b>OIL CONSERVATION DIVISION</b>	
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) 397-8210
		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

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

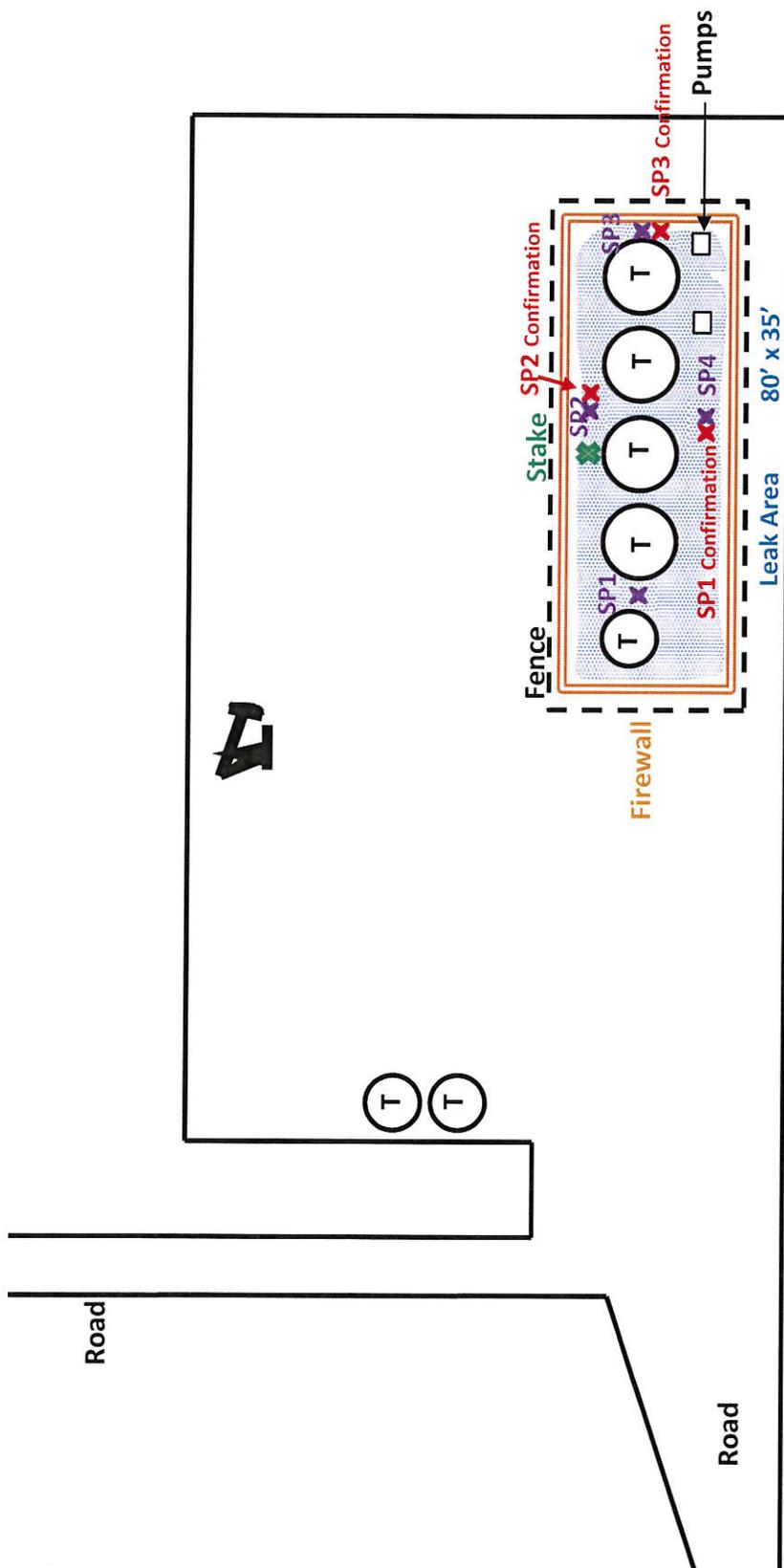


U/L P, Section 27, T22S, R32E  
 660' FSL and 660' FEL  
 Lea County, NM  
 N 32.35709° W 103.65617°  
 API# 30-025-31902, NM# 81272

<b>BBC International, Inc.</b>	
<b>Oxy</b>	
<b>Prize 27 Federal #2 Battery</b>	
Date: 04/05/2013	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2013	

Oxy

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



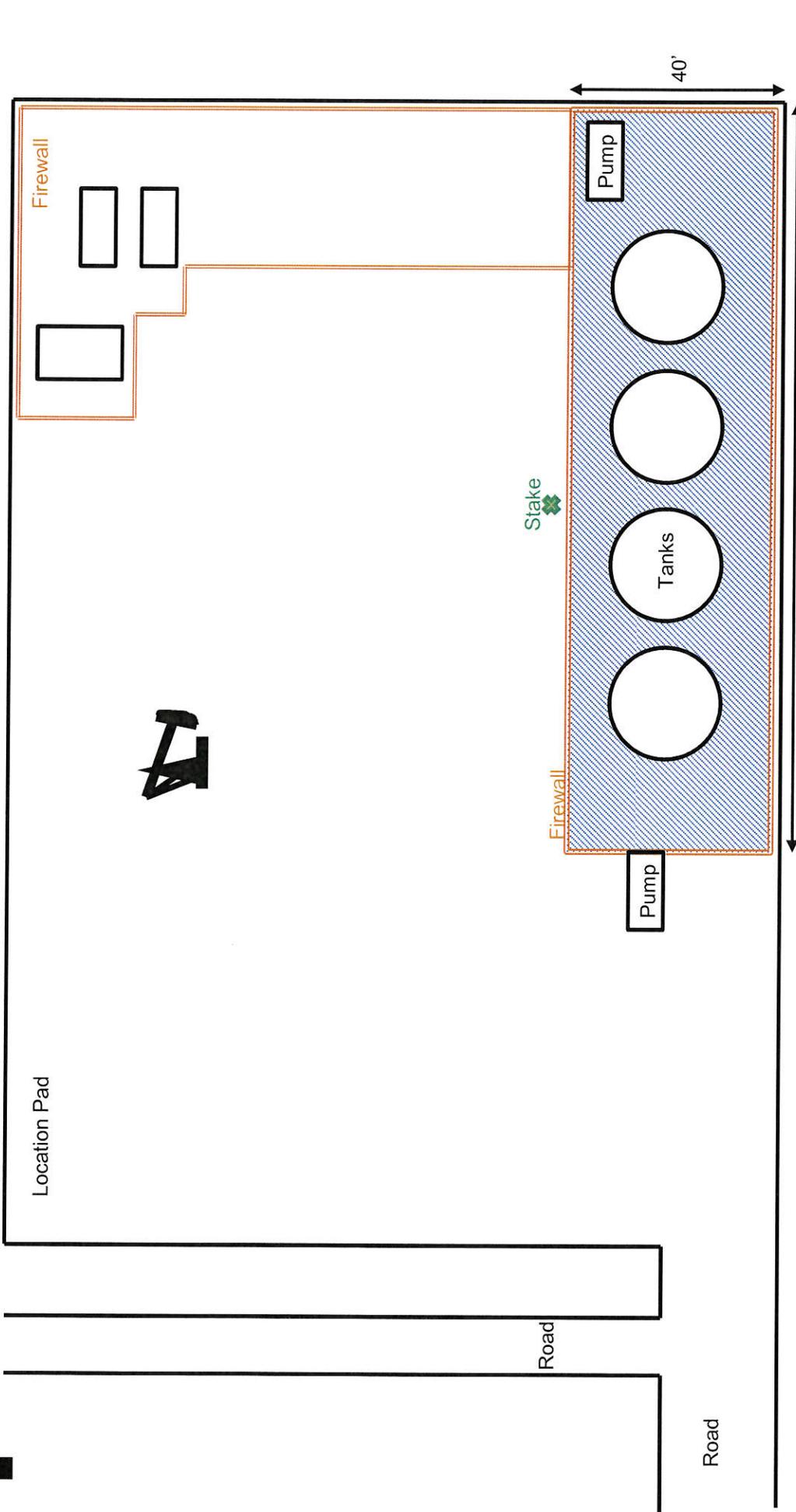
- ✕ Initial Sampling event 11/8/13
- ✕ Confirmation Sampling 4/30/14

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

<b>BBC International, Inc.</b>	
<b>Oxy</b>	
<b>Prize 27 Federal #2 Battery</b>	
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



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

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)



# Groundwater Plot

## Oxy Prize 27 Federal #2 Battery

County  
Lea

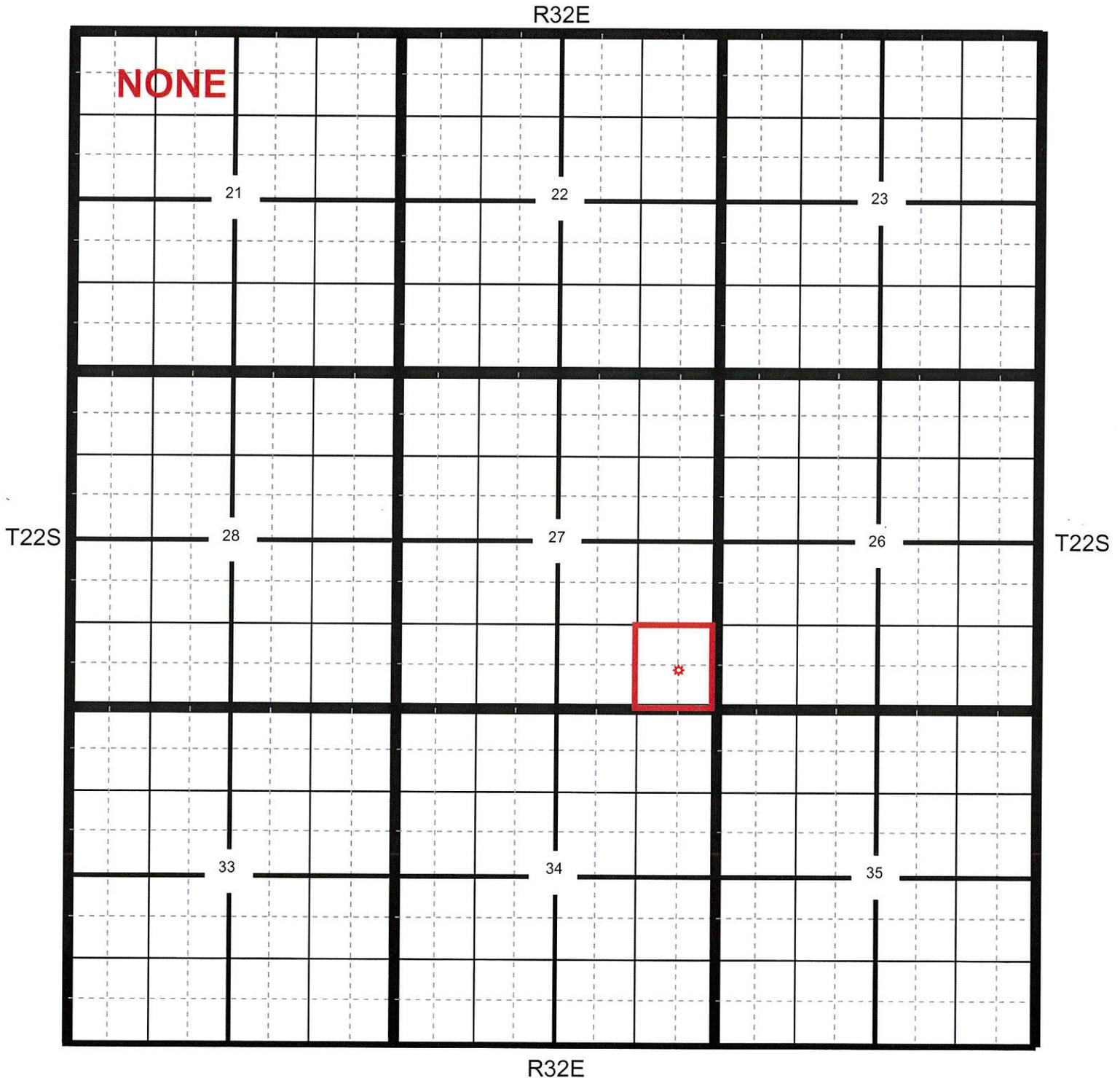
Unit Letter  
P

Section  
27

Township  
22S

Range  
32E

Trend Map 425'



📍 Location

● OCD

● USGS

● SEO

● All Databases



Section Quarters

Oxy Prize 27 Federal #2 Battery

<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Lea	P	27	22S	32E

Trend Map 425'

1

2

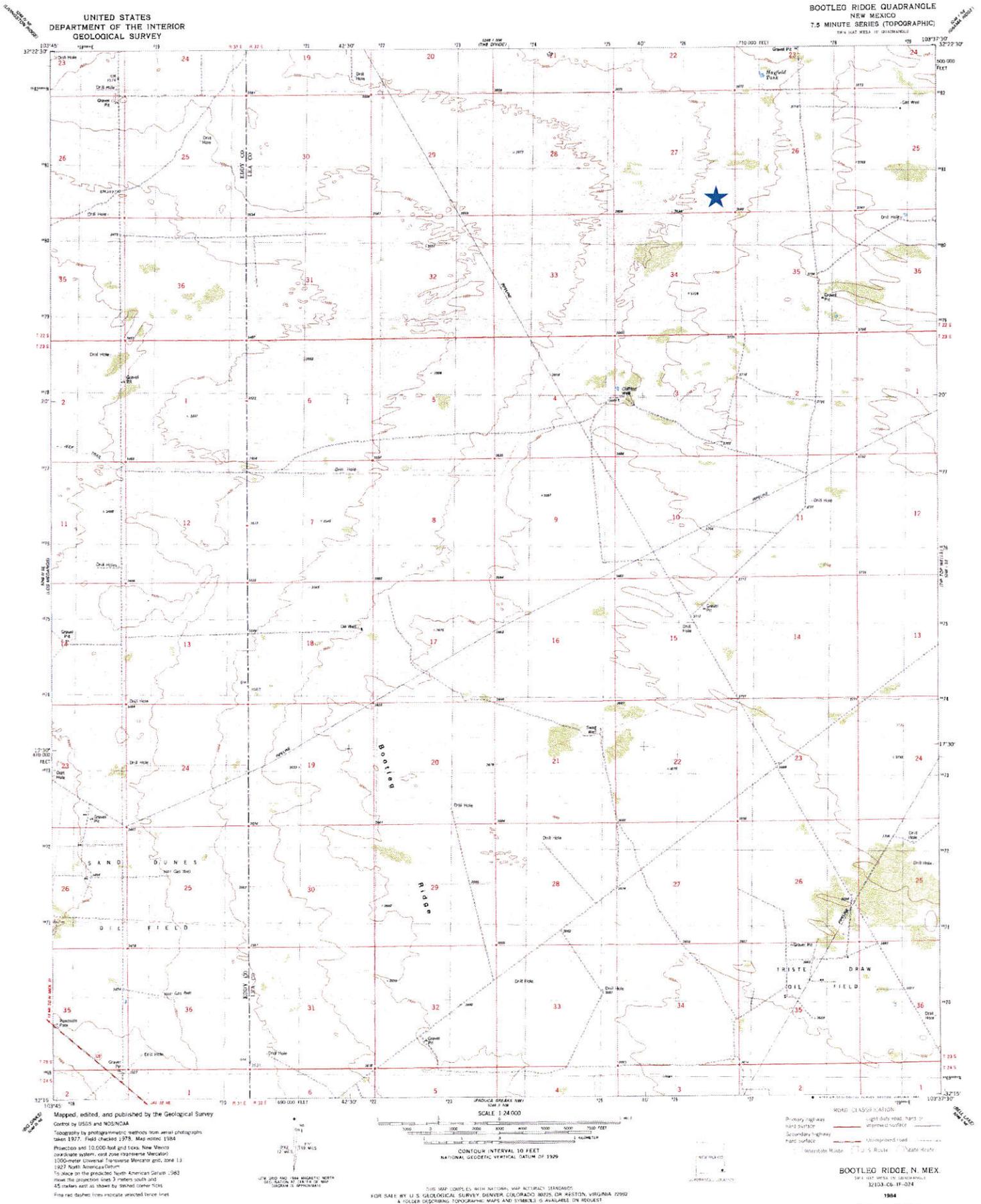
NW/NW <b>NONE</b>	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE ★
Unit Letter M	Unit Letter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

3

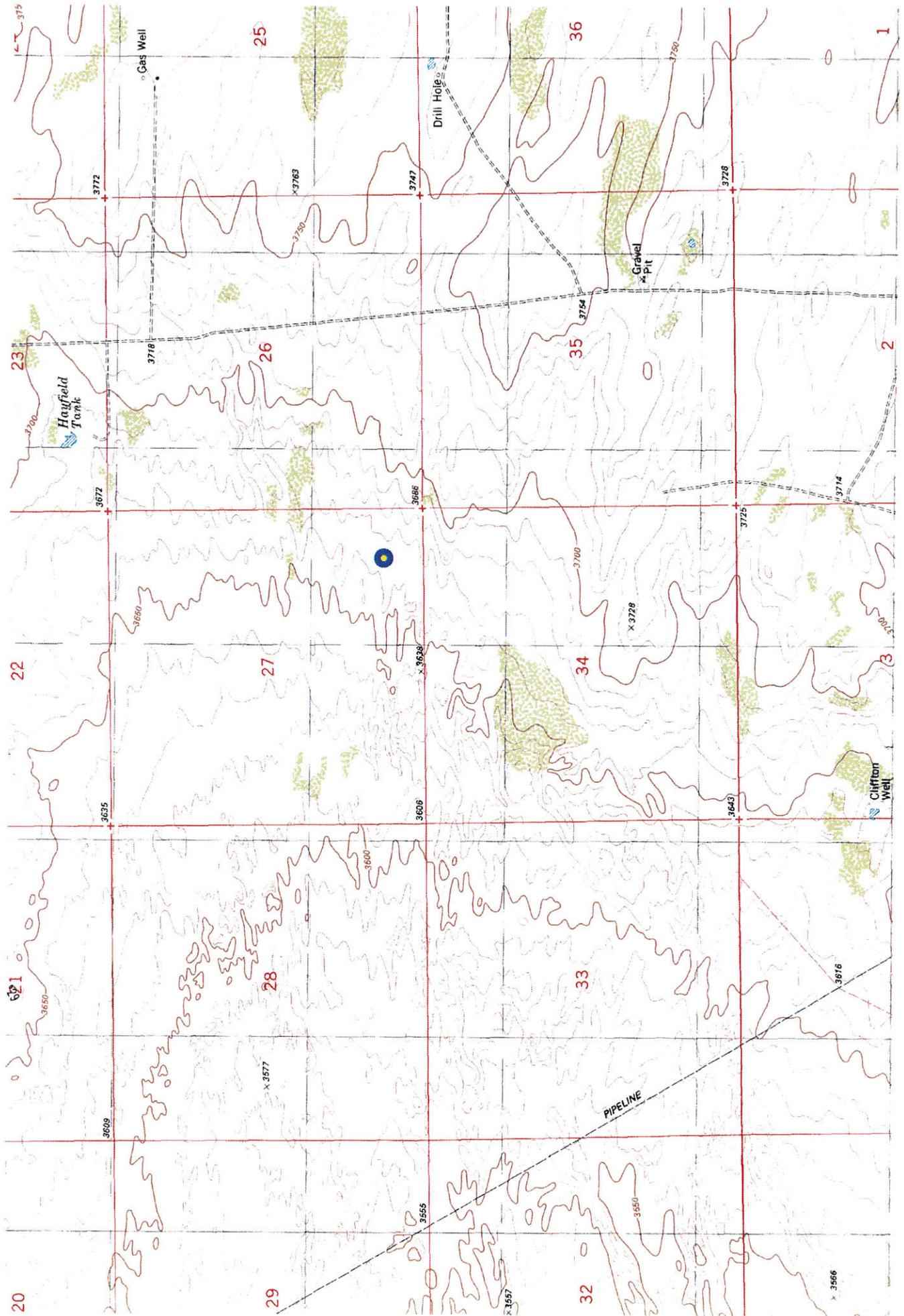
4

★ Location    
 ● OCD    
 ● USGS    
 ● SEO    
 ● All Databases

## Prize 27 Federal #2 Battery



# Oxy Prize 27 Federal #2 Battery



Laboratory Analytical Results Summary  
Prize 27 #2

Analyte	Method	Sample Date	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
		4/10/13	4/10/13	4/10/13	4/10/13
Chloride	SM4500C1-B		mg/Kg 160	mg/Kg 32	mg/Kg 32

Analyte	Method	Sample Date	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
		4/10/13	4/10/13	4/10/13	4/10/13
Benzene	BTEX 8021B		mg/Kg 4.18	mg/Kg <0.050	mg/Kg n/a
Toluene	BTEX 8021B		mg/Kg 21.2	mg/Kg <0.050	mg/Kg n/a
Ethylbenzene	BTEX 8021B		mg/Kg 18	mg/Kg <0.050	mg/Kg n/a
Total Xylenes	BTEX 8021B		mg/Kg 58.2	mg/Kg <0.150	mg/Kg n/a
Total BTEX	BTEX 8021B		mg/Kg 102	mg/Kg <0.300	mg/Kg n/a
Chloride	SM4500C1-B		mg/Kg 256	mg/Kg 48	mg/Kg <16.0
GRO	TPH 8015M		mg/Kg 3350	mg/Kg <10.0	mg/Kg n/a
DRO	TPH 8015M		mg/Kg 35800	mg/Kg 136	mg/Kg n/a

Analyte	Method	Sample Date	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
		4/10/13	4/10/13	4/10/13	4/10/13
Chloride	SM4500C1-B		mg/Kg 320	mg/Kg 64	mg/Kg <16.0

Analyte	Method	Sample Date	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
		4/10/13	4/10/13	4/10/13	4/10/13
Benzene	BTEX 8021B		mg/Kg 3.44	mg/Kg <0.050	mg/Kg n/a
Toluene	BTEX 8021B		mg/Kg 16.6	mg/Kg <0.050	mg/Kg n/a
Ethylbenzene	BTEX 8021B		mg/Kg 13.9	mg/Kg <0.050	mg/Kg n/a
Total Xylenes	BTEX 8021B		mg/Kg 45	mg/Kg <0.150	mg/Kg n/a
Total BTEX	BTEX 8021B		mg/Kg 78.9	mg/Kg <0.300	mg/Kg n/a
Chloride	SM4500C1-B		mg/Kg 352	mg/Kg 32	mg/Kg 32
GRO	TPH 8015M		mg/Kg 2450	mg/Kg <10.0	mg/Kg n/a
DRO	TPH 8015M		mg/Kg 35400	mg/Kg 209	mg/Kg n/a

Laboratory Analytical Results Summary  
PRIZE 27-2

Analyte	Method	Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
		Date	11/8/13	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	SM4500C1-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

Analyte	Method	Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
		Date	11/11/13	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	SM4500C1-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

Analyte	Method	Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
		Date	11/11/13	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	SM4500C1-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

Analyte	Method	Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
		Date	11/11/13	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	SM4500C1-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	mg/Kg	4/30/14	mg/Kg	4/30/14	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				<b>960</b>		<b>864</b>		<b>1170</b>
GRO	TPH 8015M				<10.0		<10.0		<10.0
DRO	TPH 8015M				<10.0		<10.0		<10.0



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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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](http://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 black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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 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



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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:	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	
<b>Benzene*</b>	<b>4.18</b>	0.500	04/16/2013	ND	1.95	97.6	2.00	7.04		
<b>Toluene*</b>	<b>21.2</b>	0.500	04/16/2013	ND	1.94	96.8	2.00	6.83		
<b>Ethylbenzene*</b>	<b>18.0</b>	0.500	04/16/2013	ND	1.92	96.0	2.00	7.16		
<b>Total Xylenes*</b>	<b>58.2</b>	1.50	04/16/2013	ND	5.59	93.2	6.00	6.83		
<b>Total BTEX</b>	<b>102</b>	3.00	04/16/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>256</b>	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	
<b>GRO C6-C10</b>	<b>3350</b>	100	04/15/2013	ND	195	97.6	200	3.04		
<b>DRO &gt;C10-C28</b>	<b>35800</b>	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



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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:	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 (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	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, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/16/2013	ND	432	108	400	0.00		

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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	
<b>Benzene*</b>	<b>3.44</b>	1.00	04/16/2013	ND	1.95	97.6	2.00	7.04		
<b>Toluene*</b>	<b>16.6</b>	1.00	04/16/2013	ND	1.94	96.8	2.00	6.83		
<b>Ethylbenzene*</b>	<b>13.9</b>	1.00	04/16/2013	ND	1.92	96.0	2.00	7.16		
<b>Total Xylenes*</b>	<b>45.0</b>	3.00	04/16/2013	ND	5.59	93.2	6.00	6.83		
<b>Total BTEX</b>	<b>78.9</b>	6.00	04/16/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 152 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>352</b>	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	
<b>GRO C6-C10</b>	<b>2450</b>	100	04/15/2013	ND	195	97.6	200	3.04		
<b>DRO &gt;C10-C28</b>	<b>35400</b>	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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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 (PIC) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	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		
<b>DRO &gt;C10-C28</b>	<b>209</b>	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, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	04/16/2013	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**ANALYSIS REQUEST**

1 of 2

Company Name: <b>BBC International, Inc.</b> Project Manager: <b>Cliff Brunson</b>		P.O. #: <b>BILL TO</b> Company:																	
Address: <b>P.O. Box 805</b> City: <b>Hobbs</b>		State: <b>NM</b> Zip: <b>88241</b> Attn:																	
Phone #: <b>575-397-6388</b>		Fax #: <b>575-397-0397</b> Address: <b>SAME</b>																	
Project #:		City:																	
Project Name: <b>PRIZE 27 #2</b>		State:																	
Project Location:		Zip:																	
Sampler Name: <b>Roger Hernandez</b>		Fax #:																	
FOR LAB USE ONLY																			
Lab I.D. <b>#300875</b>  Sample I.D.	1	SP1 @ SURF	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CHLORIDE	TPH	BTEX	
	2	SP1 @ 1'												4-10-13	10:5				
	3	SP2 @ 2'												4-10-13	10:50				
	4	SP2 @ SURF												4-10-13	11:10				
	5	SP2 @ 1'												4-10-13	11:32				
	6	SP2 @ 2'												4-10-13	12:08				
	7	SP3 @ SURF												4-10-13	12:39				
	8	SP3 @ 1'												4-10-13	12:35				
	9	SP4 @ SURF												4-10-13	11:5				
	PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																		
Relinquished By: <b>Roger Hernandez</b>		Date: <b>4-12-13</b>		Received By: <b>Bill Henderson</b>		Date: <b>4-00</b>		Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool / Intact Yes / No		CHECKED BY:		Sample Condition Cool / Intact Yes / No		CHECKED BY:		Sample Condition Cool / Intact Yes / No		CHECKED BY:		Sample Condition Cool / Intact Yes / No		CHECKED BY:		Sample Condition Cool / Intact Yes / No	

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





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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](http://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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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 (PIL) 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/21/2013	ND	432	108	400	3.77		

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

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	11/21/2013	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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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	
<b>Chloride</b>	<b>128</b>	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		
<b>DRO &gt;C10-C28</b>	<b>53.4</b>	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	
<b>Chloride</b>	<b>5860</b>	16.0	11/21/2013	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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		
<b>Toluene*</b>	<b>2.30</b>	1.00	11/18/2013	ND	2.12	106	2.00	2.40		
<b>Ethylbenzene*</b>	<b>3.01</b>	1.00	11/18/2013	ND	2.12	106	2.00	2.58		
<b>Total Xylenes*</b>	<b>7.99</b>	3.00	11/18/2013	ND	6.19	103	6.00	2.34		
<b>Total BTEX</b>	<b>13.3</b>	6.00	11/18/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>4800</b>	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	
<b>GRO C6-C10</b>	<b>619</b>	100	11/15/2013	ND	182	91.1	200	5.05		
<b>DRO &gt;C10-C28</b>	<b>5120</b>	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, SM4500Cl-B		mg/kg		Analyzed By: AP					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1470</b>	16.0	11/21/2013	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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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:	11/11/2013
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	
<b>Chloride</b>	<b>608</b>	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 (PIL) 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	
<b>Chloride</b>	<b>112</b>	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		
<b>DRO &gt;C10-C28</b>	<b>22.8</b>	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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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



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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:	11/11/2013
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 @ 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 (PIL) 110 % 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	11/15/2013	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, SM4500Cl-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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Celey D. Keene, Lab Director/Quality Manager



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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  
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 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*	<b>0.254</b>	0.050	11/19/2013	ND	2.12	106	2.00	2.58		
Total Xylenes*	<b>0.307</b>	0.150	11/19/2013	ND	6.19	103	6.00	2.34		
Total BTEX	<b>0.561</b>	0.300	11/19/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 150 % 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	<b>1880</b>	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	<b>520</b>	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, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>1220</b>	16.0	11/21/2013	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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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:	11/11/2013
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 (PIL) 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	
<b>Chloride</b>	<b>192</b>	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		
<b>DRO &gt;C10-C28</b>	<b>122</b>	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



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>BBC International, Inc.</b> Project Manager: <b>Cliff Brunson</b>		P.O. #: <b>BILL TO</b>		ANALYSIS REQUEST							
Address: <b>P.O. Box 805</b>		Company:									
City: <b>Hobbs</b>		Attn:									
Phone #: <b>575-397-6388</b>		Address:									
Project #:		City:									
Project Name: <b>DICE 272</b>		State:									
Project Location: <b>C-29</b>		Phone #:									
Sampler Name: <b>Gaspar</b>		Fax #:									
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	(G) GRAB OR (C) COMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	CL	TPH	B.TEX
H30279D	SP1 @ Surface	<input checked="" type="checkbox"/>		GROUNDWATER			11-8-13	1:50	X		
	SP1 @ 2FT	<input checked="" type="checkbox"/>		WASTEWATER			11-8-13	2:10	X		
	SP2 @ 2FT	<input checked="" type="checkbox"/>		SOIL			11-8-13	2:30	X		
	SP1 @ 3FT	<input checked="" type="checkbox"/>		OIL			11-8-13	2:48	X		
	SP1 @ 4FT	<input checked="" type="checkbox"/>		SLUDGE			11-8-13	5:10	X		
	SP 2 @ Surface	<input checked="" type="checkbox"/>		OTHER :			11-13	10:00	X		
	SP 2 @ 2FT	<input checked="" type="checkbox"/>		ACID/BASE:			11-13	10:35	X		
	SP2 @ 3FT	<input checked="" type="checkbox"/>		ICE / COOL			11-13	10:48	X		
	SP2 @ 4FT	<input checked="" type="checkbox"/>		OTHER :			11-13	11:10	X		

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Relinquished By: *[Signature]* Date: **11/15/13** Time: **8:21**  
 Received By: *[Signature]* Date: **11/15/13** Time: **8:21**

Delivered By: (Circle One) **UPS**  **Bus**  **Other**   
 Sample Condition: Cool  Intact   
 Checked By: *[Signature]*

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



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Name: <i>Pipe 22-2</i> Project Location: <i>C-29</i> Sampler Name: <i>Gary Ray</i> FOR LAB USE ONLY		P.O. #: Company: Attn: <i>NAME</i> Address: City: State: Zip: Phone #: Fax #:	
Lab I.D. <b>H302790</b> Sample I.D.		<b>BILL TO</b>	
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.		<b>ANALYSIS REQUEST</b>	
Relinquished By: <i>[Signature]</i> Date: <i>11/13/13</i> Time: <i>8:51</i>		Received By: <i>[Signature]</i> Date: <i>11/13/13</i> Time:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.		CHECKED BY: <i>[Signature]</i> (In field)	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	TPH	GTex
11-503	(a) Surface	(G)				X							11/13	11:30	X		
12-503	(a) 1	(G)				X							11/13	11:45	X		
13-503	(a) 2	(G)				X							11/13	11:58	X		
14-503	(a) 3	(G)				X							11/13	12:36	X		
15-503	(a) 4	(G)				X							11/13	1:00	X		
16-504	(a) Surface	(G)				X							11/13	1:45	X		
17-504	(a) 1	(G)				X							11/13	2:15	X		
18-504	(a) 2	(G)				X							11/13	2:38	X		
19-504	(a) 3	(G)				X							11/13	2:55	X		



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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](http://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 black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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 (PIE) 119 % 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	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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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, SM4500Cl-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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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 (PII) 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



## 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.leking@state.nm.us](mailto: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  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA

## 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](mailto: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](mailto: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  
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](mailto: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

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

\*\*\*\*\*  
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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](mailto: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

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
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Hobbs, NM 88240 USA

Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*

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\*\*\*\*\*

---

**From:** Geoffrey Leking <[geoffreyr.leking@state.nm.us](mailto:geoffreyr.leking@state.nm.us)>  
**Date:** Monday, February 3, 2014 7:35 AM  
**To:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>  
**Cc:** C J Summers <[Chancey\\_Summers@oxy.com](mailto:Chancey_Summers@oxy.com)>, Ken Swinney <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>, Jennifer Gilkey <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>, Kathy Purvis <[kathy@bbcinternational.com](mailto: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](mailto: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  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
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Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*

## Kathy Purvis

---

**From:** Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>  
**Sent:** Wednesday, October 22, 2014 9:19 AM  
**To:** Kathy Purvis  
**Cc:** cbrunson@bbcinternational.com  
**Subject:** RE: Closure for the first 4 leaks at the Prize 27 Federal #2

Aloha Kathy et al,

Thank you for sending this in.  
After review, and based on the sample results provided OCD considers these set of events closed.

I will enter these into the system as soon as possible.

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](mailto:tomas.oberding@state.nm.us)  
Website: <http://www.emnrd.state.nm.us/ocd/>

---

**From:** Kathy Purvis [<mailto:kathy@bbcinternational.com>]  
**Sent:** Wednesday, October 22, 2014 9:04 AM  
**To:** Oberding, Tomas, EMNRD  
**Cc:** [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)  
**Subject:** RE: Closure for the first 4 leaks at the Prize 27 Federal #2

Okay, let's try this. I compressed it so maybe it will go through.

*Kathy Purvis*

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

---

**From:** Oberding, Tomas, EMNRD [<mailto:Tomas.Oberding@state.nm.us>]  
**Sent:** Wednesday, October 22, 2014 8:20 AM  
**To:** Kathy Purvis  
**Cc:** [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)  
**Subject:** RE: Closure for the first 4 leaks at the Prize 27 Federal #2

Please send it in parts. If it is that big, the poor thing would be scanned for at least a month or so (yes we have that large a backlog and Santa Fe doesn't want to hire us any additional help, let alone get us another scanner). Thank you for your help.

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](mailto:tomas.oberding@state.nm.us)  
Website: <http://www.emnrd.state.nm.us/ocd/>

---

**From:** Kathy Purvis [<mailto:kathy@bbcinternational.com>]  
**Sent:** Wednesday, October 22, 2014 8:08 AM  
**To:** Oberding, Tomas, EMNRD  
**Cc:** [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)  
**Subject:** Closure for the first 4 leaks at the Prize 27 Federal #2

I have been trying to send you the closure report for the first 4 leaks at this location, but it returns it stating the file is too big. Is this one we can just mail or do you prefer to have it sent in parts?

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

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 194830

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 194830
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	None	7/12/2023