

# Closure Report

## Site Description

Site Name:	Riverbend Federal #8 SWD Battery
Company:	Oxy USA Inc.
Legal Description:	U/L D, Section 23, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.20892° W-103.96297°

## Release Data

Date of Release:	07/06/2017
Type of Release:	Produced water
Source of Release:	3 inch poly water transfer line
Volume of Release:	500 bbls
Volume Recovered:	0 bbls

## Remediation Specifications

Remediation Parameters:	No remediation activities in the areas of SP1, SP2, & SP11. Excavated the area of SP3 to a depth of 6 inches and took a confirmation sample. Excavated the areas of SP4 & SP8 to a depth of 2 feet. Excavated the area of SP5 to a depth of 1 foot. Excavated the areas of SP6, SP7, SP9, & SP10 to a depth of 4 feet and placed a liner in the excavation. Backfilled the site with clean soil.	
Remediation Activities:	08/27/2018 to 09/06/2018	
Plan Sent to OCD:	03/20/2018	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	03/20/2018	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	03/20/2018	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	03/20/2018	Email from Shelly Tucker to Cliff Brunson

## Supporting Documentation

Initial C-141	Signed 07/12/2018
Final C-141	Signed 10/08/2018
Site Diagram	July 2017
Pictures	Initial visit- July 2017; Remediation and backfill- August/September 2018

## Request for Closure

Based on the completion of the remediation plan, BBC International, Inc. requests closure approval from NMOCD.

Cliff Brunson, President, BBC International, Inc.

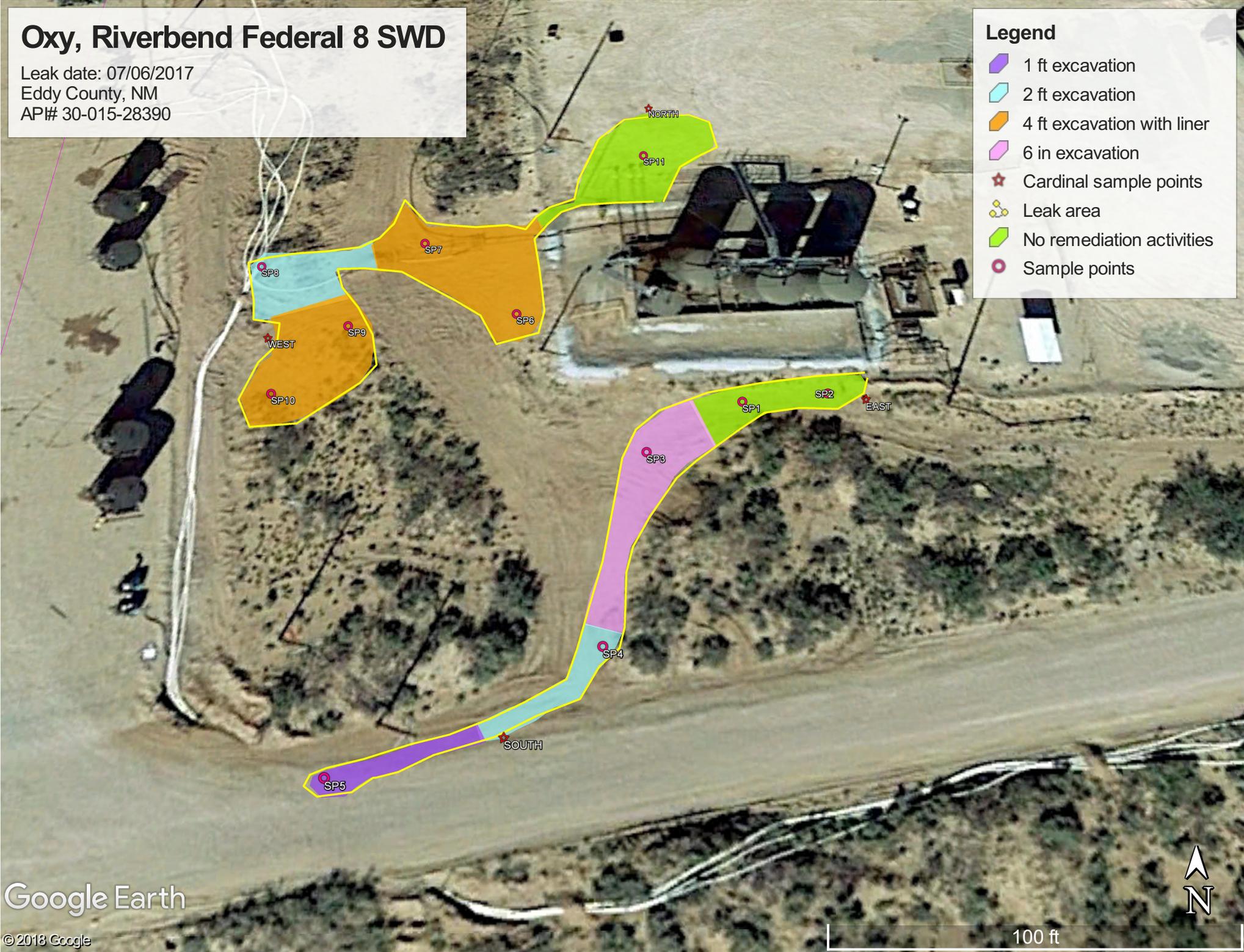
10/09/2018

# Oxy, Riverbend Federal 8 SWD

Leak date: 07/06/2017  
Eddy County, NM  
API# 30-015-28390

## Legend

- 1 ft excavation
- 2 ft excavation
- 4 ft excavation with liner
- 6 in excavation
- Cardinal sample points
- Leak area
- No remediation activities
- Sample points



Oxy, Riverbend Federal 8 SWD

Sample points

SP1, N 32.20855 W-103.96298

SP2, N 32.20856 W-103.96290

SP3, N 32.20851 W-103.96308

SP4, N 32.20834 W-103.96312

SP5, N 32.20824 W-103.96335

SP6, N 32.20865 W-103.96321

SP7, N 32.20873 W-103.96331

SP8, N 32.20871 W-103.96348

SP9, N 32.20864 W-103.96338

SP10, N 32.20857 W-103.96344

SP11, N 32.20883 W-103.96308

NORTH, N 32.20889 W-103.96307

SOUTH, N 32.20827 W-103.96320

EAST, N 32.20856 W-103.96286

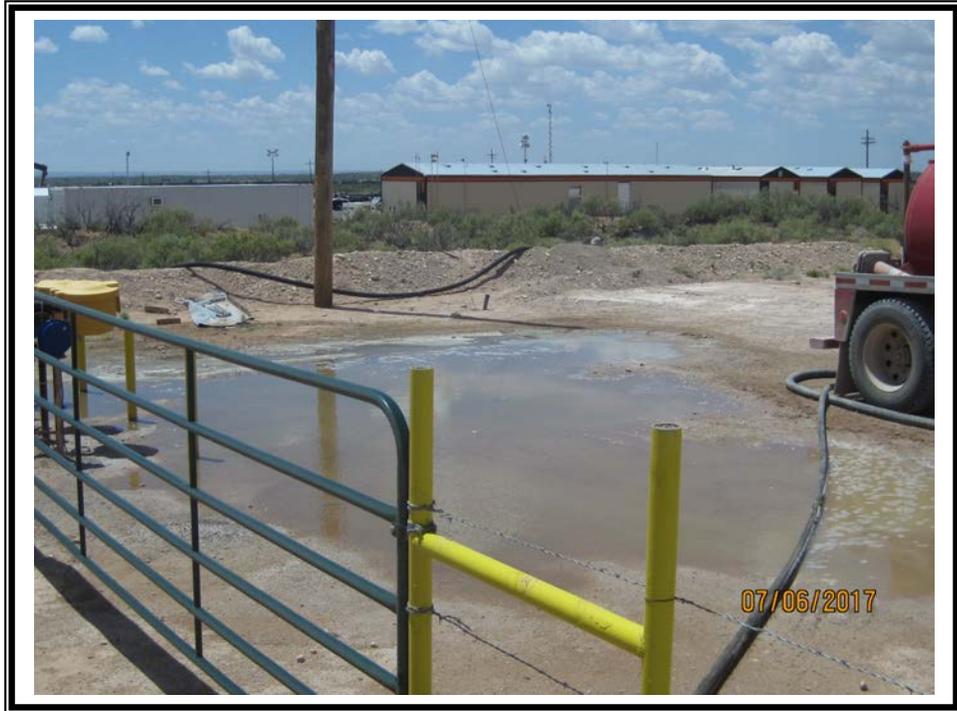
WEST, N 32.20863 W-103.96346

























Laboratory Analytical Results Summary  
Riverbend 8 SWD Battery

<i>Confirmation</i>		<i>Sample ID</i>	<b>SP3 @ Bottom 6"</b>
<b>Analyte</b>	<b>Method</b>	<b>Date</b>	9/10/18
			mg/kg
<b>Chloride</b>	SM4500Cl-B		<b>32</b>



September 20, 2018

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

RE: RIVERBEND 8 FED #8 SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/19/18 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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".

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:	09/19/2018	Sampling Date:	09/10/2018
Reported:	09/20/2018	Sampling Type:	Soil
Project Name:	RIVERBEND 8 FED #8 SWD	Sampling Condition:	Cool & Intact
Project Number:	( 7/6/17 )	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP3 @ BOTTOM 6" (H802652-01)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/20/2018	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- QR-03      The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
- 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, Lab Director/Quality Manager



Incident ID	
District RP	2RP-4292
Facility ID	
Application ID	

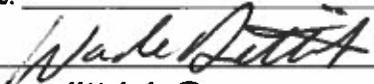
### Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Specialist  
 Signature:  Date: 10-8-18  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_