



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805  
E-MAIL: cbrunson@bbcinternational.com

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## **Oxy – NHU 14-431 (06/29/2016)**

### **REMEDIATION PLAN, RP # 1RP-4345**

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Oxy will excavate the spill area as depicted on the following site diagram. The entire leak area will be scraped to a depth of 6 inches. The entire site will then be backfilled with clean soil.

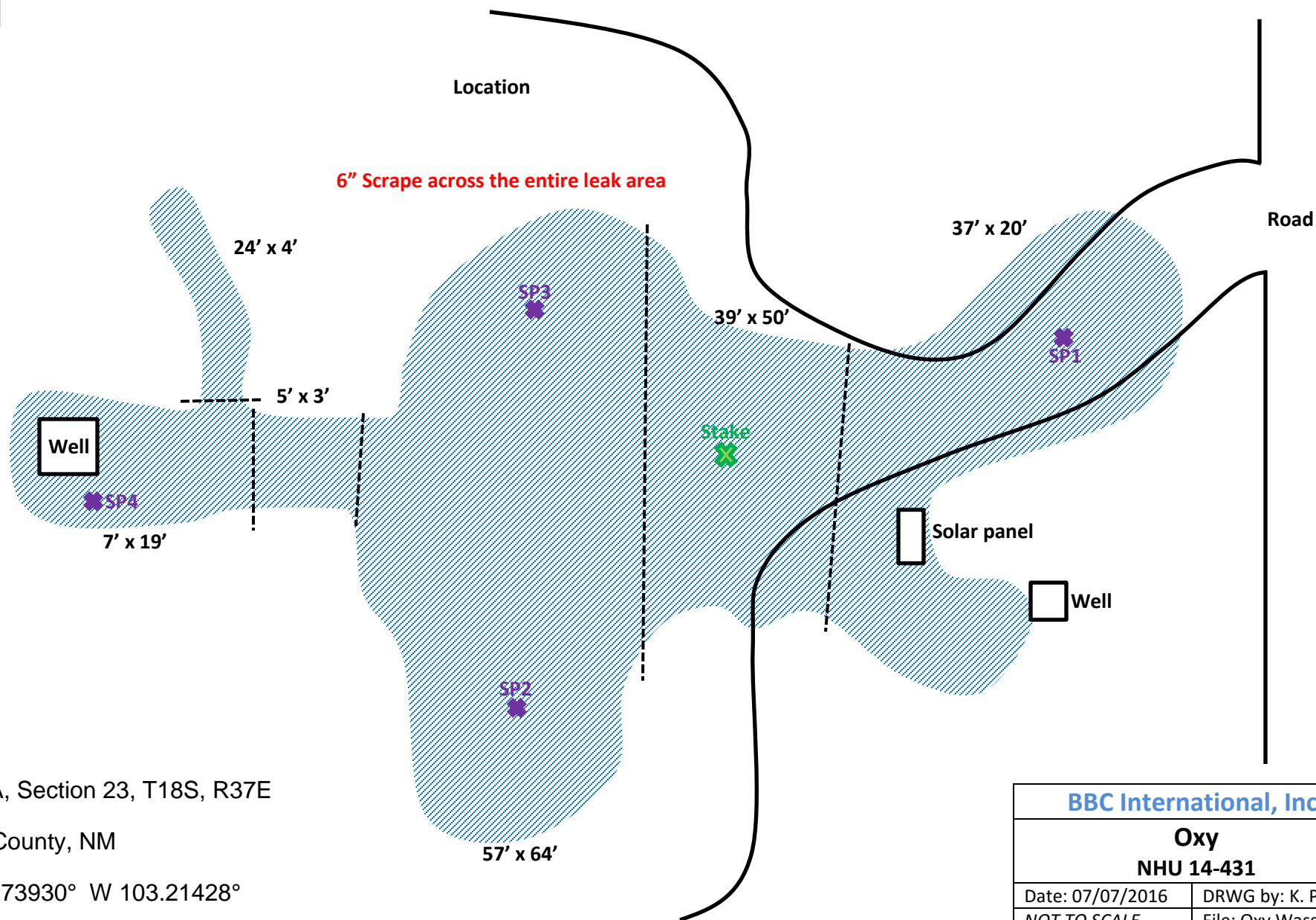
All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy  
NHU 14-431

Location

6" Scrape across the entire leak area



U/L A, Section 23, T18S, R37E

Lea County, NM

N 32.73930° W 103.21428°

API# 30-025-05454

BBC International, Inc.

Oxy  
NHU 14-431

Date: 07/07/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy Wasson'16

# Oxy NHU 14-431

County Lea Unit Letter A Section 23 Township 18S Range 37E

## Trend Map <50'

1

2



3

4

**Laboratory Analytical Results Summary  
NHU #14-431**

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	8/1/16	8/1/16
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		6400	112

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	8/1/16	8/1/16
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		6640	112

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	8/1/16	8/1/16
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		6000	96

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	8/1/16	8/1/16
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		5520	128



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

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August 08, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NHU 14-431

Enclosed are the results of analyses for samples received by the laboratory on 08/03/16 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 with a large, stylized 'C' and 'K'.

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: 08/03/2016  
Reported: 08/08/2016  
Project Name: NHU 14-431  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 08/01/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Angela Cabrera

**Sample ID: SP1 @ SURFACE (H601736-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	08/05/2016	ND	432	108	400	0.00	

**Sample ID: SP1 @ 1' (H601736-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/05/2016	ND	432	108	400	0.00	

**Sample ID: SP2 @ SURFACE (H601736-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	08/05/2016	ND	432	108	400	0.00	

**Sample ID: SP2 @ 1' (H601736-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/05/2016	ND	400	100	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/03/2016  
Reported: 08/08/2016  
Project Name: NHU 14-431  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 08/01/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Angela Cabrera

**Sample ID: SP3 @ SURFACE (H601736-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	08/05/2016	ND	400	100	400	0.00	

**Sample ID: SP3 @ 1' (H601736-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/05/2016	ND	400	100	400	0.00	

**Sample ID: SP4 @ SURFACE (H601736-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	08/05/2016	ND	400	100	400	0.00	

**Sample ID: SP4 @ 1' (H601736-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/05/2016	ND	400	100	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# ORDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian	Contact	Tony Aguilar
Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	NHU 14-431	Facility Type	Well
Surface Owner	Oxy	Mineral Owner	
		API No.	30-025-05454

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	23	18S	37E					Lea County, NM

Latitude N 32.73930° Longitude W 103.21428°

### NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	45 bbls	Volume Recovered	40 bbls
Source of Release	Corrosion of 4" zaplock steel injection line	Date and Hour of Occurrence	06/29/2016	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?	Jamie Keyes- NMOCD		
By Whom?	Oxy Permian	Date and Hour	06/29/2016 via phone message		
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.\*

Corrosion of a 4" steel injection line caused 45 bbls of produced water to leak. A vacuum truck recovered 40 bbls of produced water and the line was repaired.

Describe Area Affected and Cleanup Action Taken.\*

The area affected is approximately 45' x 160' both on and off location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: Tony Aguilar	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Raymond_aguilar@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 7-8-16	Phone: (575) 397-8251		

\* Attach Additional Sheets If Necessary