

Closure Report

Site Description

Site Name:	Harroun 15 #3 & #5 CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L H, Section 15, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.22011° W 103.96463°

Release Data

Date of Release:	08/22/2016
Type of Release:	Oil and produced water
Source of Release:	Compromised 2" steel line from the separator
Volume of Release:	3 bbls oil, 7 bbls produced water
Volume Recovered:	9 bbls

Remediation Specifications

Remediation Parameters:	Excavate the area around SP1 to a depth of 6 inches. No further remediation is required. Backfill the site with clean soil.	
Remediation Activities:	March 2017	
Plan Sent to OCD:	11/21/2016	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	11/29/2016	Email from Mike Bratcher to Cliff Brunson
Plan Sent to SLO:	11/21/2016	Email from Cliff Brunson to Shelly Tucker
SLO Approval of Plan:	11/21/2016	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 09/07/2016
Final C-141	Upon Completion
Site Diagram	October 2016
Groundwater Plot	75'-100' trend map
TOPO Maps	October 2016
Lab Summary	11/02/2016
Lab Analysis	11/02/2016
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, Oxy Permian requests closure approval from NMOCD.

Casey Summers, NM Environmental Advisor

05/23/2016

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Harroun 15 #3 & #5 CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No. 30-015-29233	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	15	24S	29E					Eddy County, NM

Latitude N 32.22011° Longitude W 103.96463°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	3 bbls oil, 7 bbls produced water	Volume Recovered	9 bbls
Source of Release	Compromised 2" steel line from the separator	Date and Hour of Occurrence	08/22/2016	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?	Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Hour	08/23/2016 @ 4:54 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.*

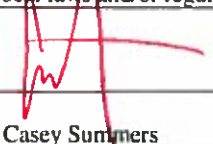
Describe Cause of Problem and Remedial Action Taken.*

A compromised 2" steel line from the separator leaked 3 bbls of oil and 7 bbls of produced water. A vacuum truck recovered 9 bbls of fluids and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 10' x 20' both on and off location. Remediation will be completed in accordance with an approved remediation plan from NMOCD and the BLM.

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




Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Casey Summers		Approved by Environmental Specialist:	
Title: NM Environmental Advisor		Approval Date:	Expiration Date:
E-mail Address: Casey.Summers@oxy.com		Conditions of Approval:	
Date: 9-7-16 Phone: (575) 513-8289		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Oxy, Harroun 15 #3 & #5 CTB

Leak date: 08/22/2016
Eddy County, NM
API# 30-015-29233
RP# 2RP-3878

Legend

-  6" Excavation
-  Spill Area
-  Sample points, hand auger

Google Earth

© 2016 Google



100 ft

Oxy, Harroun 15 #3 & #5 CTB

Sample points, hand auger

SP1, N 32.22053 W-103.96482

SP2, N 32.22063 W-103.96504

SP3, N 32.22068 W-103.96524

Oxy, Harroun 15 #3 & #5 CTB
U/L H, Section 15, T24S, R29E
Groundwater: 75'-100'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 597449

Northing (Y): 3565217

Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/23/17 3:40 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Public Land Survey System (PLSS)

Q64:Q16: SEQ4: NESec: 15Tws: 24SRng: 29E

State Plane Coordinate System - NAD27

X:ftY:ftZone:

State Plane Coordinate System - NAD83

X:ftY:ftZone:

Degrees/Minutes/Seconds

Longitude (X):Degrees: °Minutes: 'Seconds: "

Latitude (Y):Degrees: °Minutes: 'Seconds: "

UTM - NAD27

Easting (X):mtrs Northing (Y):mtrs Zone:

SUBMIT

All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X):597449.0mtrsNorthing (Y):3565217.0mtrs

~~ Please keep screen open to copy UTM values for Reports. ~~



Groundwater Plot

Oxy Harroun 15 #3 & #5 CTB

County
Eddy

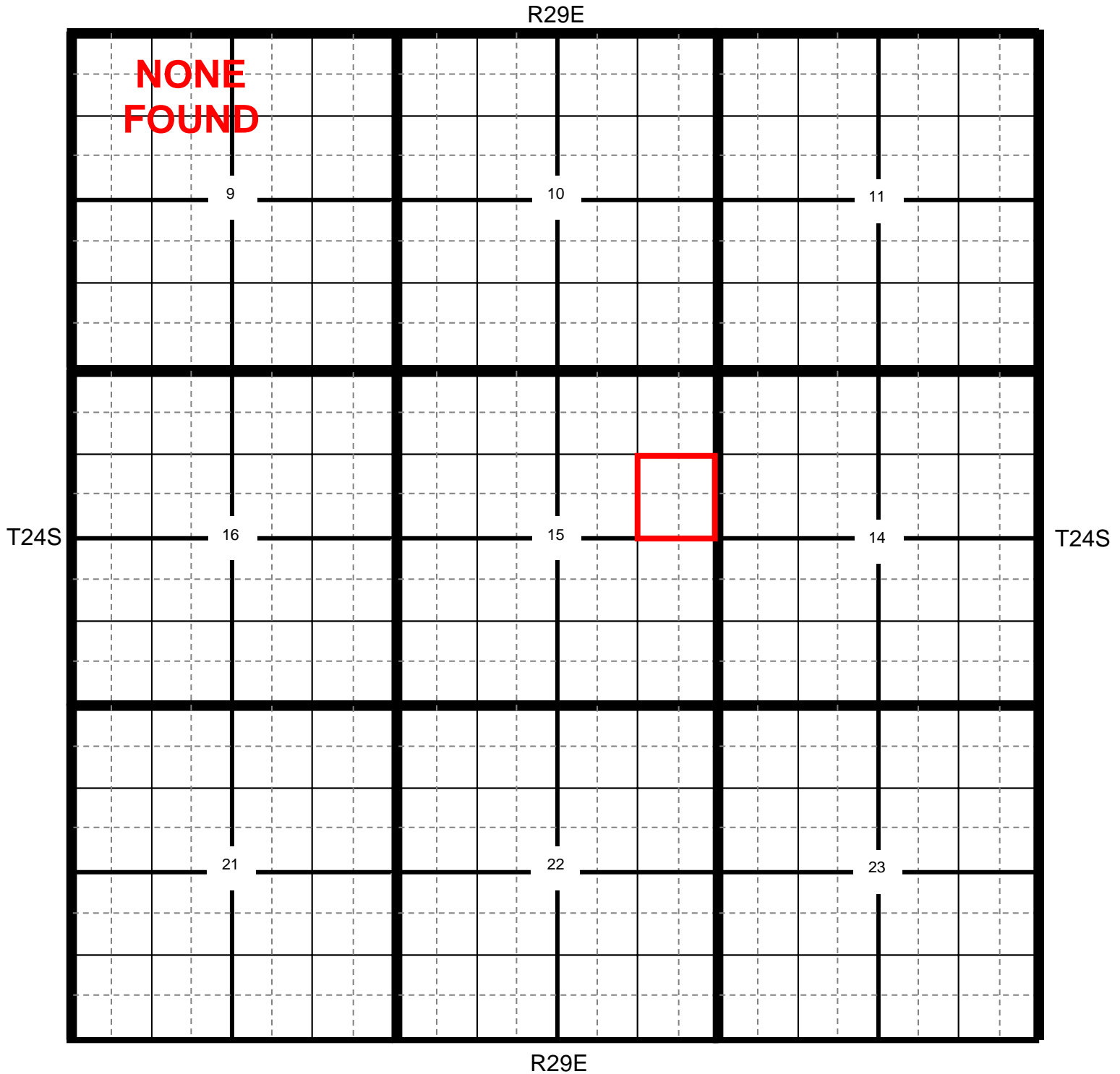
Unit Letter
H

Section
15

Township
24S

Range
29E

Trend Map 75'-100'



★ Location

● OCD

● USGS

● SEO

● All Databases

Section Quarters

Oxy Harroun 15 #3 & #5 CTB

County Eddy Unit Letter H Section 15 Township 24S Range 29E

Trend Map 75'-100'

1

2

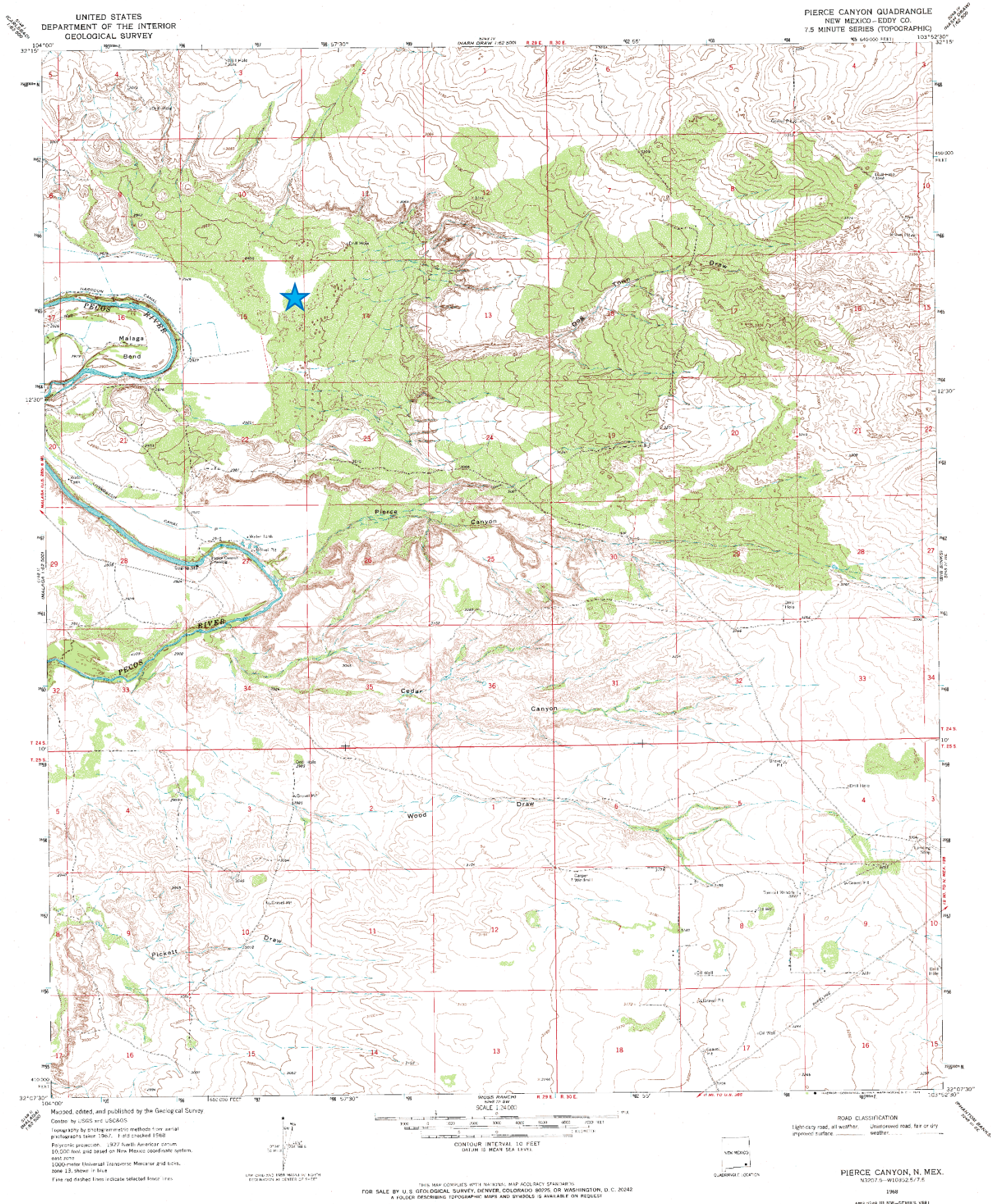
NW/NW NONE FOUND Unit Letter D	NE/NW Unit Letter C	NW/NE Unit Letter B	NE/NE Unit Letter A
SW/NW Unit Letter E	SE/NW Unit Letter F	SW/NE Unit Letter G	SE/NE Unit Letter H
NW/SW Unit Letter L	NE/SW Unit Letter K	NW/SE Unit Letter J	NE/SE Unit Letter I
SW/SW Unit Letter M	SE/SW Unit Letter N	SW/SE Unit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

3

4

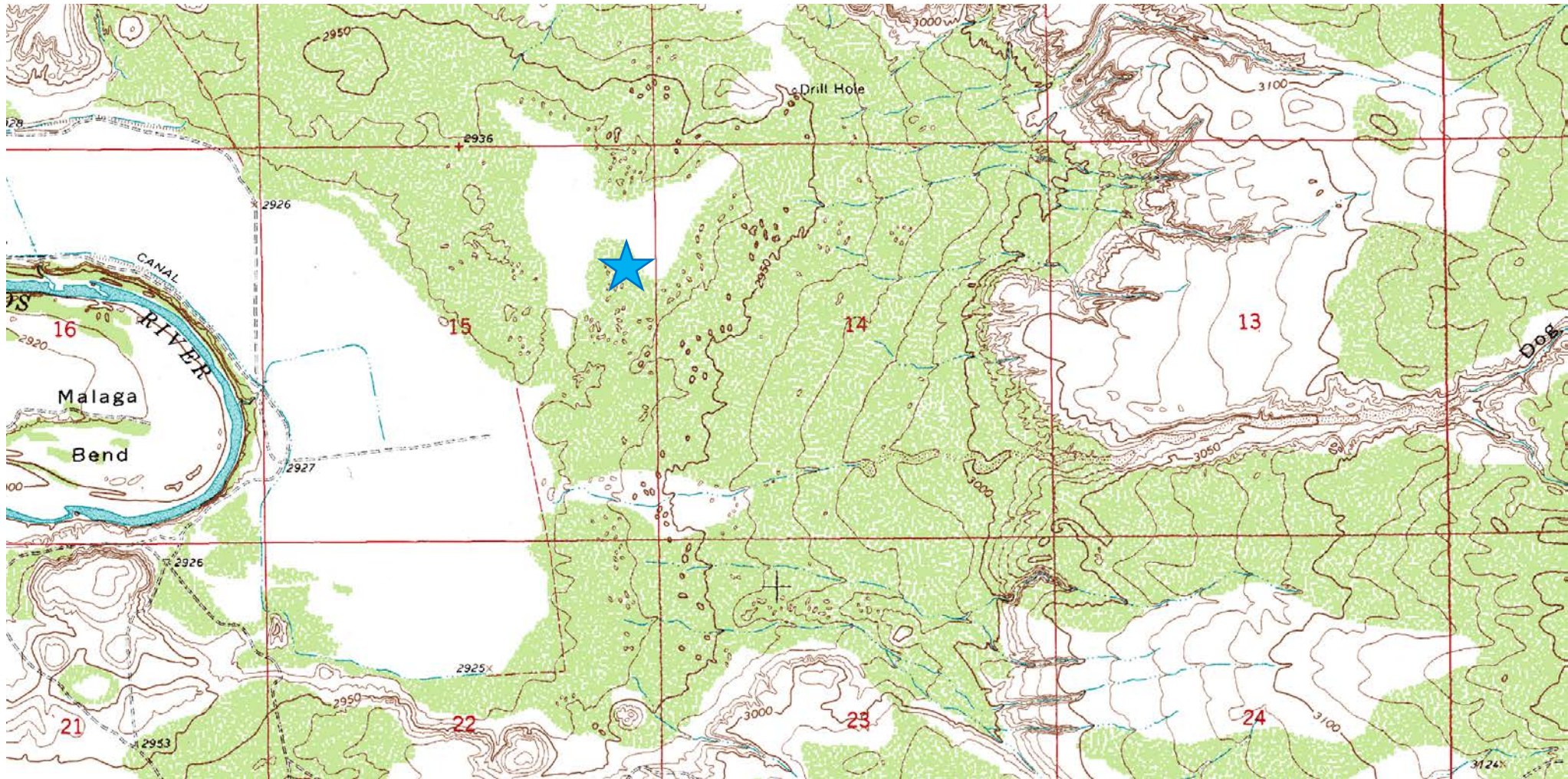
Oxy

Harroun 15 #3 & #5 CTB



Oxy

Harroun 15 #3 & #5 CTB



Laboratory Analytical Results Summary
Harroun 15 #3 #5 CTB

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	11/2/16	11/2/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	0.077
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		112	<16.0
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		11100	284

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	11/2/16	11/2/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		32	80
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	11/2/16	11/2/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	0.063
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		32	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	132

November 10, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 15 #3 & #5 CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/03/16 14:00.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/03/2016	Sampling Date:	11/02/2016
Reported:	11/10/2016	Sampling Type:	Soil
Project Name:	HARROUN 15 #3 & #5 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H602482-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2016	ND	2.15	108	2.00	0.116	
Toluene*	<0.050	0.050	11/09/2016	ND	2.19	109	2.00	0.446	
Ethylbenzene*	<0.050	0.050	11/09/2016	ND	2.10	105	2.00	0.449	
Total Xylenes*	<0.150	0.150	11/09/2016	ND	6.38	106	6.00	0.187	
Total BTX	<0.300	0.300	11/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/07/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	11/08/2016	ND	178	89.2	200	0.976		
DRO >C10-C28	11100	100	11/08/2016	ND	177	88.6	200	4.03		

Surrogate: 1-Chlorooctane 89.7 % 35-147

Surrogate: 1-Chlorooctadecane 448 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Fax To: (575) 397-0397

Received:	11/03/2016	Sampling Date:	11/02/2016
Reported:	11/10/2016	Sampling Type:	Soil
Project Name:	HARROUN 15 #3 & #5 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1' (H602482-02)

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	11/09/2016	ND	2.15	108	2.00	0.116	
Toluene*	<0.050	0.050	11/09/2016	ND	2.19	109	2.00	0.446	
Ethylbenzene*	0.077	0.050	11/09/2016	ND	2.10	105	2.00	0.449	
Total Xylenes*	<0.150	0.150	11/09/2016	ND	6.38	106	6.00	0.187	
Total BTEx	<0.300	0.300	11/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/07/2016	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	11/09/2016	ND	178	89.2	200	0.976	
DRO >C10-C28	284	10.0	11/09/2016	ND	177	88.6	200	4.03	

Surrogate: 1-Chlorooctane 97.0 % 35-147

Surrogate: 1-Chlorooctadecane 98.6 % 28-171

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

Received:	11/03/2016	Sampling Date:	11/02/2016
Reported:	11/10/2016	Sampling Type:	Soil
Project Name:	HARROUN 15 #3 & #5 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H602482-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2016	ND	2.15	108	2.00	0.116	
Toluene*	<0.050	0.050	11/09/2016	ND	2.19	109	2.00	0.446	
Ethylbenzene*	<0.050	0.050	11/09/2016	ND	2.10	105	2.00	0.449	
Total Xylenes*	<0.150	0.150	11/09/2016	ND	6.38	106	6.00	0.187	
Total BTX	<0.300	0.300	11/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/07/2016	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	11/08/2016	ND	178	89.2	200	0.976	
DRO >C10-C28	<10.0	10.0	11/08/2016	ND	177	88.6	200	4.03	

Surrogate: 1-Chlorooctane 76.1 % 35-147

Surrogate: 1-Chlorooctadecane 74.5 % 28-171

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Received: 11/03/2016
Reported: 11/10/2016
Project Name: HARROUN 15 #3 & #5 CTB
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 11/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H602482-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2016	ND	2.15	108	2.00	0.116	
Toluene*	<0.050	0.050	11/09/2016	ND	2.19	109	2.00	0.446	
Ethylbenzene*	<0.050	0.050	11/09/2016	ND	2.10	105	2.00	0.449	
Total Xylenes*	<0.150	0.150	11/09/2016	ND	6.38	106	6.00	0.187	
Total BTX	<0.300	0.300	11/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/07/2016	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	11/08/2016	ND	178	89.2	200	0.976	
DRO >C10-C28	<10.0	10.0	11/08/2016	ND	177	88.6	200	4.03	

Surrogate: 1-Chlorooctane 78.0 % 35-147

Surrogate: 1-Chlorooctadecane 84.9 % 28-171

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P.O. Box 805
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Fax To: (575) 397-0397

Received:	11/03/2016	Sampling Date:	11/02/2016
Reported:	11/10/2016	Sampling Type:	Soil
Project Name:	HARROUN 15 #3 & #5 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H602482-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2016	ND	2.15	108	2.00	0.116	
Toluene*	<0.050	0.050	11/09/2016	ND	2.19	109	2.00	0.446	
Ethylbenzene*	<0.050	0.050	11/09/2016	ND	2.10	105	2.00	0.449	
Total Xylenes*	<0.150	0.150	11/09/2016	ND	6.38	106	6.00	0.187	
Total BTX	<0.300	0.300	11/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/07/2016	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	11/08/2016	ND	178	89.2	200	0.976	
DRO >C10-C28	<10.0	10.0	11/08/2016	ND	177	88.6	200	4.03	

Surrogate: 1-Chlorooctane 79.7 % 35-147

Surrogate: 1-Chlorooctadecane 86.5 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/03/2016	Sampling Date:	11/02/2016
Reported:	11/10/2016	Sampling Type:	Soil
Project Name:	HARROUN 15 #3 & #5 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 1' (H602482-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2016	ND	2.15	108	2.00	0.116	
Toluene*	<0.050	0.050	11/09/2016	ND	2.19	109	2.00	0.446	
Ethylbenzene*	0.063	0.050	11/09/2016	ND	2.10	105	2.00	0.449	
Total Xylenes*	<0.150	0.150	11/09/2016	ND	6.38	106	6.00	0.187	
Total BTEx	<0.300	0.300	11/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/07/2016	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	11/08/2016	ND	178	89.2	200	0.976	
DRO >C10-C28	132	10.0	11/08/2016	ND	177	88.6	200	4.03	

Surrogate: 1-Chlorooctane 93.4 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD 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

From: Bratcher, Mike, EMNRD
To: [Cliff Brunson](#)
Cc: [Patterson, Heather, EMNRD](#); [Casey Summers](#); jennifer_duarte@oxy.com; [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: OXY Harroun 15 #3 & #5 CTB - Remediation Plan
Date: Tuesday, November 29, 2016 9:54:16 AM

RE: OXY USA * Harroun 15 3 & 5 CTB * **2RP-3878** * DOR: 8/22/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled. Federal sites require BLM approval.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, November 21, 2016 8:24 AM
To: Bratcher, Mike, EMNRD
Cc: Patterson, Heather, EMNRD; Casey Summers; jennifer_duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY Harroun 15 #3 & #5 CTB - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY Harroun 15 #3 & #5 CTB release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply via e-mail with your concurrence on 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.
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Phone: (575) 397-6388
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From: Tucker, Shelly
To: [Cliff Brunson](#)
Cc: [Casey Summers](#); jennifer_duarte@oxy.com; [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: Re: OXY Harroun 15 #3 & #5 CTB - Remediation Plan
Date: Monday, November 21, 2016 3:45:03 PM

BLM approves your work plan as written.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
O&G Spill/Release Coordinator

Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular
575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Mon, Nov 21, 2016 at 8:23 AM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Shelly,

I have attached a remediation plan for the OXY Harroun 15 #3 & #5 CTB release. This plan has been approved by Mike Bratcher of the NMOCD. Oxy is requesting the BLM's approval of this plan as well. Upon your review of the materials, it would be appreciated if you would

respond via email with the BLM's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

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