

Closure Report

Site Description

Site Name:	Cypress 33 Federal #1H
Company:	Oxy Permian
Legal Description:	U/L P, Section 33, T23S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.25539° W-103.98216°

Release Data

Date of Release:	01/20/2017
Type of Release:	Produced water
Source of Release:	Faulty gasket on water transfer pump
Volume of Release:	60 bbls
Volume Recovered:	40 bbls

Remediation Specifications

Remediation Parameters:	Excavate the areas of SP1, SP2, SP3, and SP4 to a depth of 2 feet. Obtain confirmation bottom sample at 2.5 feet for SP1-SP4. Excavate to a depth of 6 inches the areas around SP5 and SP6. Backfill the site with clean soil.	
Remediation Activities:	01/22/2018 to 02/02/2018	
Plan Sent to OCD:	09/11/2017	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	09/20/2017	Email from Mike Bratcher to Cliff Brunson
Plan Sent to SLO:	09/11/2017	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	09/20/2017	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 01/27/2017
Final C-141	Upon completion
Site Diagram	January 2017
Groundwater Plot	50'-75'
TOPO Maps	January 2017
Lab Summary	01/31/2017 and 02/01/2018
Lab Analysis	01/31/2017 and 02/01/2018
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan, Oxy requests closure approval from NMOCD.

Wade Dittrich, Environmental Specialist, Oxy Permian

02/09/2018

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	PO Box 4294; Houston, TX 77210	Telephone No.	(575) 513-8289
Facility Name	Cypress 33 Federal #1H	Facility Type	Battery

Surface Owner	BLM	Mineral Owner		API No.	30-015-36321
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	33	23S	29E					Eddy County, NM

Latitude N 32.25539° Longitude W 103.98216°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	60 bbls	Volume Recovered	40 bbls
Source of Release	Faulty gasket on water transfer pump	Date and Hour of Occurrence	01/20/2017	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher, Crystal Weaver- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Hour	01/24/2017 @ 3:37 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.*

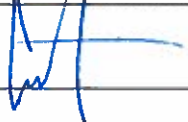
Describe Cause of Problem and Remedial Action Taken.*

A faulty gasket on the water transfer pump caused a leak of 60 bbls of produced water. A vacuum truck recovered 40 bbls of produced water and the gasket was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 300' x 50' on location. Remediation will be completed in accordance with a remediation plan approved by both 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: 1-27-17 Phone: (575) 513-8289		Attached <input type="checkbox"/>	

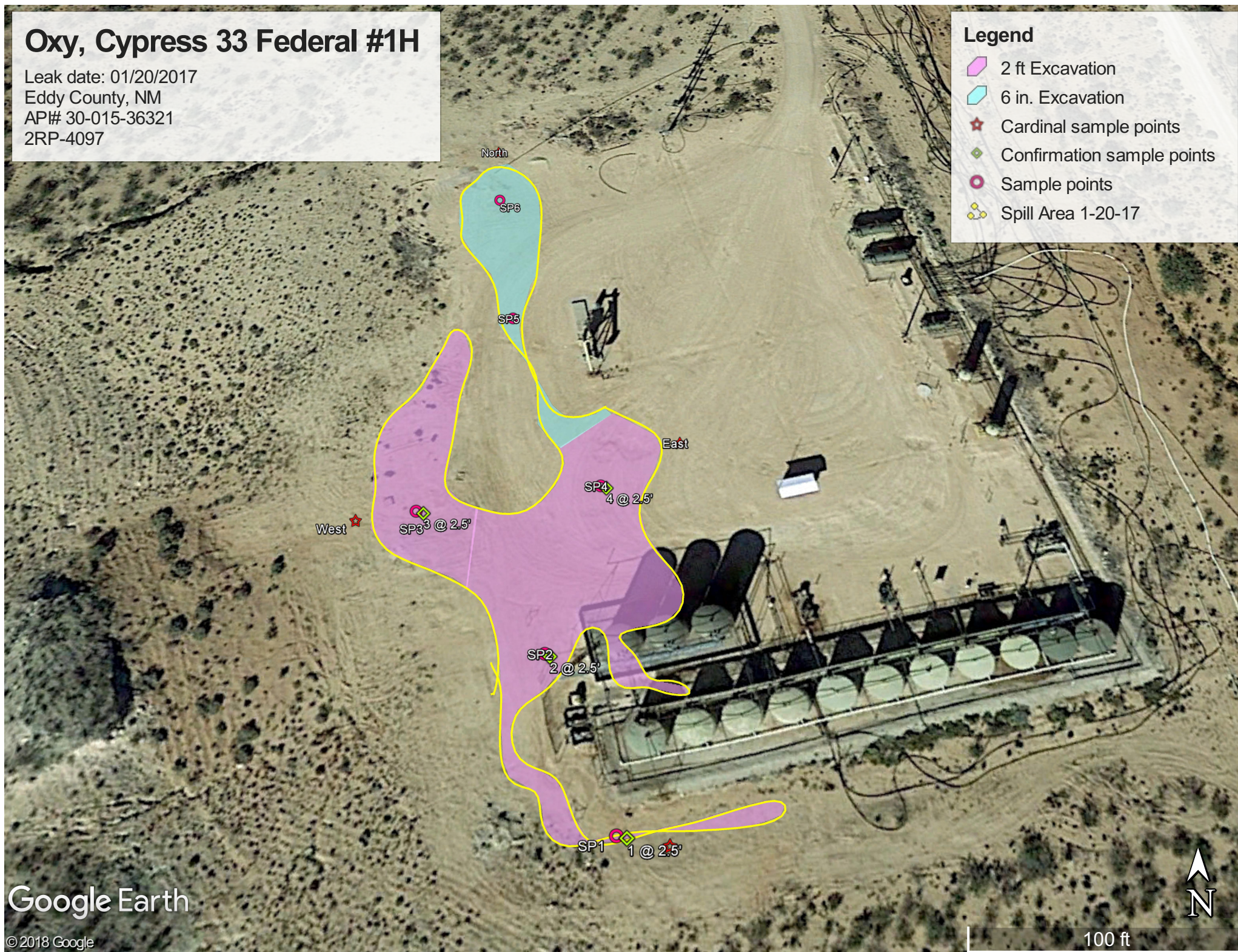
* Attach Additional Sheets If Necessary

Oxy, Cypress 33 Federal #1H

Leak date: 01/20/2017
Eddy County, NM
API# 30-015-36321
2RP-4097

Legend

- 2 ft Excavation
- 6 in. Excavation
- Cardinal sample points
- Confirmation sample points
- Sample points
- Spill Area 1-20-17



Oxy, Cypress 33 Federal #1H

Sample points, hand auger

SP1, N 32.25524 W-103.98205

SP2, N 32.25545 W-103.98214

SP3, N 32.25564 W-103.98233

SP4, N 32.25567 W-103.98207

SP5, N 32.25593 W-103.98221

SP6, N 32.25614 W-103.98224

NORTH, N 32.25624 W-103.98225

SOUTH, N 32.25524 W-103.98198

EAST, N 32.25574 W-103.98196

WEST, N 32.25562 W-103.98241

Confirmation sample points, hand auger

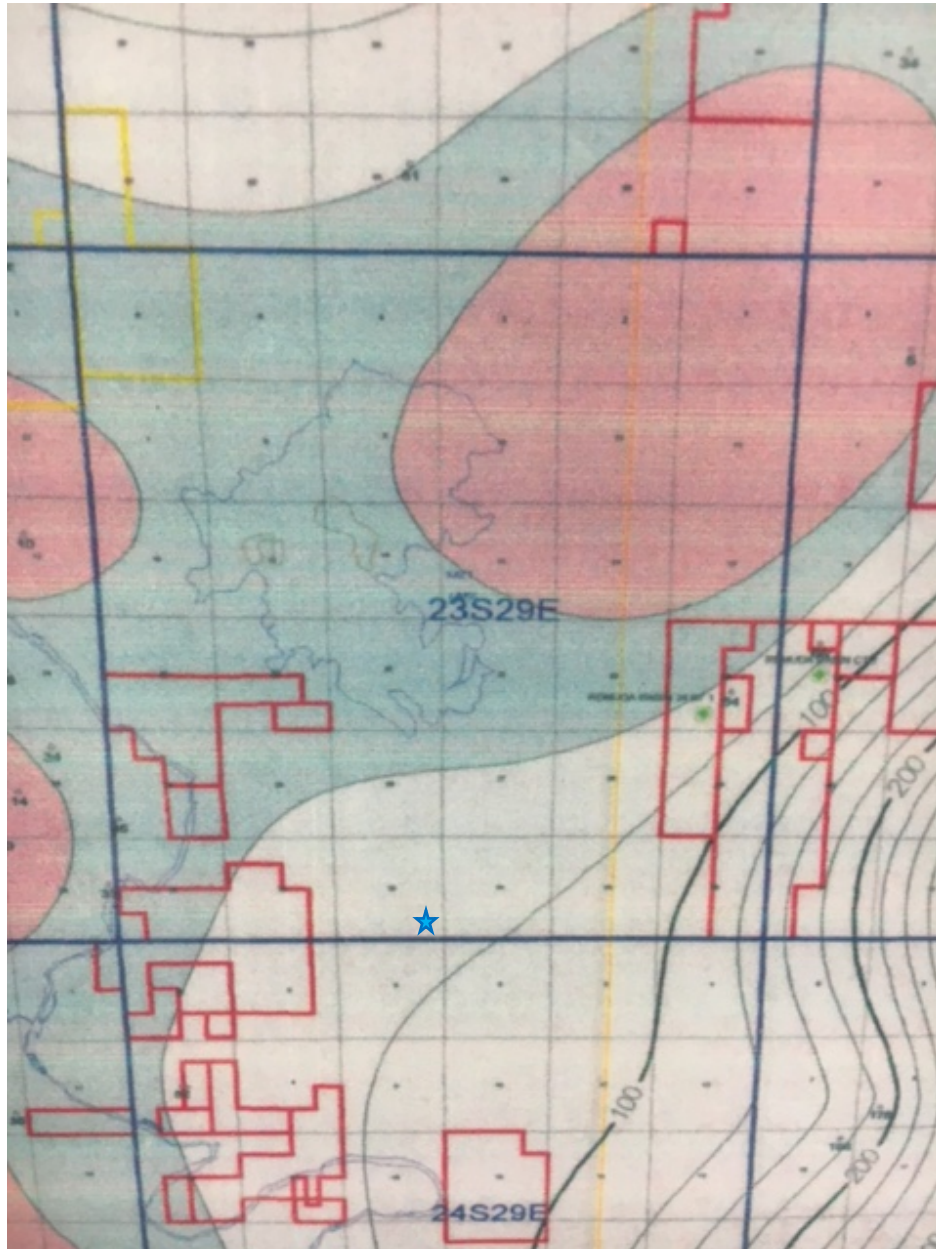
SP1, N 32.25524 W-103.98205

SP2, N 32.25545 W-103.98214

SP3, N 32.25564 W-103.98233

SP4, N 32.25567 W-103.98207

Oxy, Cypress 33 Federal #1H
U/L P, Section 33, T23S, R29E
Groundwater: 50'-75'





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): 595788

Northing (Y): 3569246

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.

9/11/17 11:41 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Public Land Survey System (PLSS)

Q64:Q16: SEQ4: SESec: 33Tws: 23SRng: 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

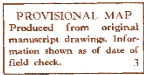
All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X):595788.0mtrsNorthing (Y):3569246.0mtrs

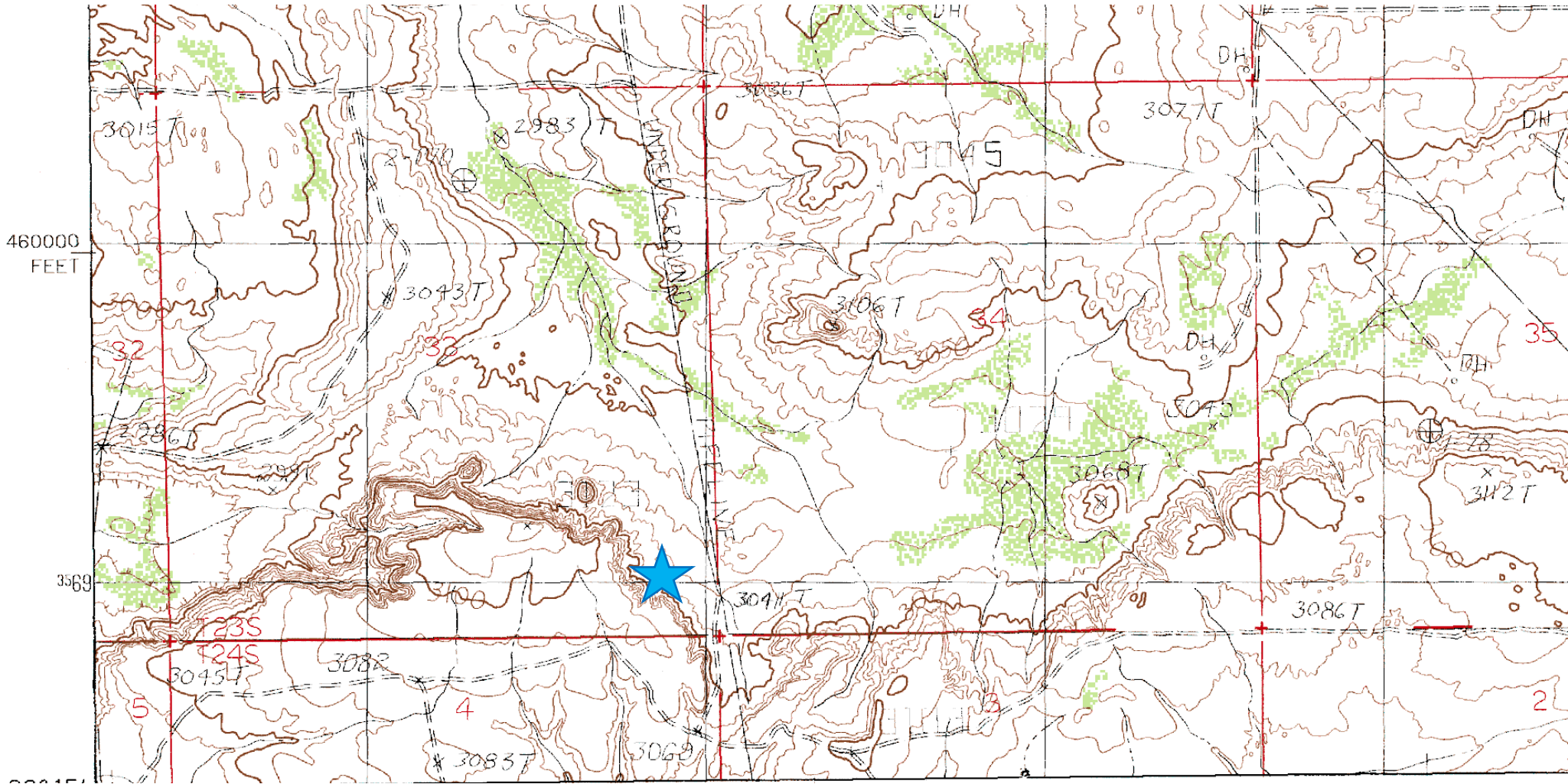
~~ Please keep screen open to copy UTM values for Reports. ~~

Oxy

REMUDA BASIN QUADRANGLE
NEW MEXICO-EDDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Cypress 33 Federal #1H



**Laboratory Analytical Results Summary
Cypress 33 Federal #1H**

		Sample	SP1 @ 1'	SP1 @ 5'	SP1 @ 7'
Analyte	Method	Date	1/31/17	1/31/17	1/31/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		2080	576	688

		Sample	SP2 @ 1'	SP2 @ 5'	SP2 @ 7'
Analyte	Method	Date	1/31/17	1/31/17	1/31/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		1040	672	640

		Sample	SP3 @ 1'	SP3 @ 4'	SP3 @ 6'	SP3 @ 7'
Analyte	Method	Date	1/31/17	1/31/17	1/31/17	1/31/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		3120	1120	256	96

		Sample	SP4 @ 1'	SP4 @ 4'	SP4 @ 6'	SP4 @ 7'
Analyte	Method	Date	1/31/17	1/31/17	1/31/17	1/31/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		2160	976	304	112

		Sample	SP5 @ 1'
Analyte	Method	Date	1/31/17
			mg/Kg
Chloride	SM4500Cl-B		80

		Sample	SP6 @ 1'
Analyte	Method	Date	1/31/17
			mg/Kg
Chloride	SM4500Cl-B		80

		Sample	NORTH @ SURFACE
Analyte	Method	Date	1/31/17
			mg/Kg
Chloride	SM4500Cl-B		32

		Sample	SOUTH @ SURFACE
Analyte	Method	Date	1/31/17
			mg/Kg
Chloride	SM4500Cl-B		<16.0

		Sample	EAST @ SURFACE
Analyte	Method	Date	1/31/17
			mg/Kg
Chloride	SM4500Cl-B		<16.0

		Sample	WEST @ SURFACE
Analyte	Method	Date	1/31/17
			mg/Kg
Chloride	SM4500Cl-B		<16.0

Laboratory Analytical Results Summary
Cypress 33 Federal #001H

Confirmation		Sample ID	SP1 @ 2.5'
Analyte	Method	Date	2/1/18
			mg/kg
Chloride	SM4500Cl-B		400

Confirmation		Sample ID	SP2 @ 2.5'
Analyte	Method	Date	2/1/18
			mg/kg
Chloride	SM4500Cl-B		448

Confirmation		Sample ID	SP3 @ 2.5'
Analyte	Method	Date	2/1/18
			mg/kg
Chloride	SM4500Cl-B		944

Confirmation		Sample ID	SP4 @ 2.5'
Analyte	Method	Date	2/1/18
			mg/kg
Chloride	SM4500Cl-B		944



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

February 09, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 33 FEDERAL #1H

Enclosed are the results of analyses for samples received by the laboratory on 02/02/17 15:00.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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:	02/02/2017	Sampling Date:	01/31/2017
Reported:	02/09/2017	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Brittany Feller
Project Location:	EDDY COUNTY, NM		

Sample ID: SP1 @ 1' (H700258-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	02/06/2017	ND	416	104	400	0.00	

Sample ID: SP1 @ 5' (H700258-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/06/2017	ND	416	104	400	0.00	

Sample ID: SP1 @ 7' (H700258-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/06/2017	ND	416	104	400	0.00	

Sample ID: SP2 @ 1' (H700258-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	02/06/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	02/02/2017	Sampling Date:	01/31/2017
Reported:	02/09/2017	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Brittany Feller
Project Location:	EDDY COUNTY, NM		

Sample ID: SP2 @ 5' (H700258-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	02/06/2017	ND	416	104	400	0.00		

Sample ID: SP2 @ 7' (H700258-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	02/06/2017	ND	416	104	400	0.00		

Sample ID: SP3 @ 1' (H700258-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	02/06/2017	ND	416	104	400	0.00	

Sample ID: SP3 @ 4' (H700258-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	02/06/2017	ND	416	104	400	0.00	

Sample ID: SP3 @ 6' (H700258-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/06/2017	ND	416	104	400	0.00	

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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:	02/02/2017	Sampling Date:	01/31/2017
Reported:	02/09/2017	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Brittany Feller
Project Location:	EDDY COUNTY, NM		

Sample ID: SP3 @ 7' (H700258-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/06/2017	ND	416	104	400	0.00		

Sample ID: SP4 @ 1' (H700258-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	02/06/2017	ND	416	104	400	0.00	

Sample ID: SP4 @ 4' (H700258-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/06/2017	ND	416	104	400	0.00	

Sample ID: SP4 @ 6' (H700258-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/06/2017	ND	416	104	400	0.00	

Sample ID: SP4 @ 7' (H700258-14)

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	02/06/2017	ND	416	104	400	0.00	

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Fax To: (575) 397-0397

Received:	02/02/2017	Sampling Date:	01/31/2017
Reported:	02/09/2017	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Brittany Feller
Project Location:	EDDY COUNTY, NM		

Sample ID: SP5 @ 1' (H700258-15)

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	02/06/2017	ND	416	104	400	0.00		

Sample ID: SP6 @ 1' (H700258-16)

Chloride, SM4500CI-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	02/06/2017	ND	416	104	400	0.00	

Sample ID: NORTH SAMPLE @ SURFACE (H700258-17)

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	02/06/2017	ND	416	104	400	0.00	

Sample ID: SOUTH SAMPLE @ SURFACE (H700258-18)

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	02/06/2017	ND	416	104	400	0.00		

Sample ID: EAST SAMPLE @ SURFACE (H700258-19)

Chloride, SM4500Cl-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	02/06/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 02/02/2017
Reported: 02/09/2017
Project Name: CYPRESS 33 FEDERAL #1H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 01/31/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Brittany Feller

Sample ID: WEST SAMPLE @ SURFACE (H700258-20)

Chloride, SM4500Cl-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	02/06/2017	ND	416	104	400	0.00	

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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

Cardinal Laboratories

*=Accredited Analyte

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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

1052

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: CYPRESS 33 FEDERAL #1H

Project Location: EDDY COUNTY, NM

Sampler Name: ROGER HERNANDEZ

BILL TO

P.O. #:

Company: OKY

Attn: Summers

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME												
#100258-	SP1 @ 1'		1	GROUNDWATER			1/31/17	9:25 AM	✓											
01	SP1 @ 5'		1	WASTEWATER			1/31/17	9:58 AM	✓											
02	SP1 @ 7'		1	SOIL			1/31/17	10:15 AM	✓											
03	SP2 @ 1'		1	OIL			1/31/17	10:45 AM	✓											
04	SP2 @ 5'		1	SLUDGE			1/31/17	11:20 AM	✓											
05	SP2 @ 7'		1	OTHER :			1/31/17	11:42 AM	✓											
06	SP3 @ 1'		1	ACID/BASE:			1/31/17	1:05 PM	✓											
07	SP3 @ 4'		1	ICE / COOL			1/31/17	1:35 PM	✓											
08	SP3 @ 6'		1	OTHER :			1/31/17	1:47 PM	✓											
09	SP3 @ 7'		1				1/31/17	2:00 PM	✓											

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Relinquished By: *Rodriguez* Date: 1/31/17 Time: 6:00 PM Received By: *Brandon Feller*

Relinquished By: *Rodriguez* Date: 1/31/17 Time: 6:00 PM Received By: *Brandon Feller*

Delivered By: (Circle One) *-2.5°* Sample Condition: ☒ Intact ☐ Cool ☐ Yes ☐ No ☐ Yes ☐ No CHECKED BY: *BF*

Sampler - UPS - Bus - Other:

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



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2827

Company Name: BBC International, Inc.		P.O. #:		BILL TO										ANALYSIS REQUEST																									
Project Manager: Cliff Brunson		Company: Oxy																																					
Address: P.O. Box 805		Attn: Summers																																					
City: Hobbs		Address:																																					
State: NM Zip: 88241		City:																																					
Phone #: 575-397-6388 Fax #: 575-397-0397		State: Zip:																																					
Project #: Project Owner: Oxy		Phone #:																																					
Project Name: CYPRESS 33 FEDERAL #1H		Fax #:																																					
Project Location: EDDY COUNTY, NM		PRESERV																																					
Sampler Name: ROGER HERNANDEZ		SAMPLING																																					
FOR LAB USE ONLY																																							
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											
H700258-		SP4 @ 1'		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		2:20 PM		✓									
11		SP4 @ 4'		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		2:46 PM		✓									
12		SP4 @ 6'		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		2:55 PM		✓									
13		SP4 @ 7'		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		3:08 PM		✓									
14		SP5 @ 1'		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		3:30 PM		✓									
15		SP6 @ 1'		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		3:45 PM		✓									
16		NORTH SAMPLE@SURFACE		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		3:50 PM		✓									
17		SOUTH SAMPLE@SURFACE		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		3:55 PM		✓									
18		EAST SAMPLE @ SURFACE		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		4:00 PM		✓									
19		WEST SAMPLE @ SURFACE		0		1		✓		✓		✓		✓		✓		✓		✓		✓		✓		1/31/17		4:05 PM		✓									
20																																							

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Relinquished By: W. Hernandez Date: 1/31/17 Time: 6:00pm Received By: B. Hernandez

Relinquished By: W. Hernandez Date: 1/31/17 Time: 6:00pm Received By: B. Hernandez

Delivered By: (Circle One) -2.5 Sample Condition ☒ Cool ☒ Intact ☒ Yes ☒ No ☒ No ☒ No ☒ No

Sampler - UPS - Bus - Other: -2.5 CHECKED BY: (Initials) BH

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



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

February 05, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 33 FEDERAL #1H

Enclosed are the results of analyses for samples received by the laboratory on 02/02/18 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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:	02/02/2018	Sampling Date:	02/01/2018
Reported:	02/05/2018	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP1 @ 2.5" (H800351-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/03/2018	ND	416	104	400	0.00	

Sample ID: SP2 @ 2.5" (H800351-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/03/2018	ND	416	104	400	0.00	

Sample ID: SP3 @ 2.5" (H800351-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/03/2018	ND	416	104	400	0.00	

Sample ID: SP4 @ 2.5" (H800351-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/03/2018	ND	416	104	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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



a: BBC International, Inc.

191

Rush!!

From: Bratcher, Mike, EMNRD
To: [Cliff Brunson](#); [Shelly Tucker](#)
Cc: [Wade Dittrich](#); Jennifer_Smith@oxy.com; [Weaver, Crystal, EMNRD](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: OXY Cypress 33 federal #1H (2RP-4097) - Delineation Workplan
Date: Wednesday, September 20, 2017 10:20:09 AM

RE: OXY USA * Cypress 33 Fed 1 H * **2RP-4097** * DOR: 1/20/17

Cliff,

Your proposal for remediation of the above referenced release is approved with the following:

The area identified as SP3 was believed to have been over a legacy drilling pit. Well file records indicate the drilling pit for this well was closed under "Rule 50" pit rule, in effect at the time. The closure report indicates pit contents were excavated and hauled to a disposal. OCD requests the area identified as SP3 be included in the proposed excavation. The proposal is to excavate the impacted areas to 2'. Initial samples were obtained at 1' across the spill path and then at 5' for SP 1&2, and 4' for SP 3&4. Unless there exists some data between the 2' proposed excavation depth and the next sample interval, OCD requests samples be obtained 6" below excavation bottom for confirmation/documentation of chloride levels being left in place. Also, at least one sample should be tested for hydrocarbon constituents.

Federal sites will require like approval from BLM. Please advise once remedial activities have been scheduled.

ATTN Wade: 2RP-4098 is open on this site. It was reported as a small volume release in a lined containment.

Thank you,

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

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.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, September 11, 2017 7:18 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Shelly Tucker <stucker@blm.gov>
Cc: Wade Dittrich <Wade_Dittrich@oxy.com>; Jennifer_Smith@oxy.com; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey

<jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>

Subject: OXY Cypress 33 federal #1H (2RP-4097) - Delineation Workplan

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the OXY Cypress 33 Federal #1H (2RP-4097). OXY is requesting that you review this plan and is looking forward to both the OCD's and BLM's approval. Mike, this plan is one we discussed recently.

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:
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



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From: Tucker, Shelly
To: [Bratcher, Mike, EMNRD](#)
Cc: [Cliff Brunson](#); [Wade Dittrich](#); [Jennifer.Smith@oxy.com](#); [Weaver, Crystal, EMNRD](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: Re: OXY Cypress 33 federal #1H (2RP-4097) - Delineation Workplan
Date: Wednesday, September 20, 2017 1:36:16 PM

BLM concurs with NMOCD stipulations.

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 Wed, Sep 20, 2017 at 10:37 AM, Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us> wrote:

Wade,

2RP-4098 has already been closed. Please disregard note on previous email.

Mike Bratcher

NMOCD District 2

[811 South First Street](#)

[Artesia, NM 88210](#)

[575-748-1283](#) Ext 108

From: Bratcher, Mike, EMNRD

Sent: Wednesday, September 20, 2017 10:20 AM

To: Cliff Brunson <cbrunson@bbcinternational.com>; Shelly Tucker <stucker@blm.gov>

Cc: Wade Dittrich <Wade_Dittrich@oxy.com>; Jennifer_Smith@oxy.com; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Ken Swinney

<kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>;

Kathy Purvis <kathy@bbcinternational.com>

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NMOCD District 2

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[575-748-1283](#) Ext 108

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Subject: OXY Cypress 33 federal #1H (2RP-4097) - Delineation Workplan

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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:

P. O. Box 805

Hobbs, NM 88241-0805 USA

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[1324 W. Marland St.](#)

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Phone: (575) 397-6388

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