

Closure Report

Site Description

Site Name:	Government AB Federal #13
Company:	Oxy Permian Ltd.
Legal Description:	U/L H, Section 10, T20S, R28E
County:	Eddy County, NM
GPS Coordinates:	N 32.58979° W 104.15874°

Release Data

Date of Release:	02/11/2016
Type of Release:	Oil and Produced water
Source of Release:	Livestock opened valve at well head
Volume of Release:	0.5 bbl oil, 15 bbls produced water
Volume Recovered:	2 bbls produced water and skim oil

Remediation Specifications

Remediation Parameters:	Excavate the entire leak site to a depth of 6 inches. Backfill the site clean soil.
Remediation Activities:	August 2016

Plan Sent to OCD:	03/14/2016	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	03/16/2016	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	03/14/2016	Email from Cliff Brunson to Henryetta Price
BLM Approval of Plan:	03/17/2016	Email from Henryetta Price to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 02/23/2016
Final C-141	Signed 08/31/2016
Site Diagram	February 2016
Groundwater Plot	50'-75'
TOPO Maps	February 2016
Lab Summary	03/02/2016
Lab Analysis	03/02/2016
Correspondence	Request and approval of remediation plan via email

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

08/31/2016

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	Government AB Federal #13	Facility Type	Well
Surface Owner	BLM	Mineral Owner	API No. 30-015-40920

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	10	20S	28E					Eddy County, NM

Latitude N 32.58979° Longitude W 104.15874°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	0.5 bbl oil, 15 bbls produced water	Volume Recovered	2 bbls produced water, skim oil
Source of Release	Livestock opened valve at the well head	Date and Hour of Occurrence	02/11/2016	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	02/12/2016 @ 3:16 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.*

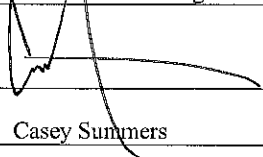
Describe Cause of Problem and Remedial Action Taken.*

Livestock opened a valve at the well head spilling 0.5 bbl oil and 15 bbls of produced water. A vacuum truck recovered 2 bbls of produced water and skim oil and the valve was closed.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 105' x 57' on location around the well head. 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: 2-23-16 Phone: (575) 513-8289		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

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Form C-141
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Release Notification and Corrective Action

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☐ Initial Report ☒ Final Report

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Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Government AB Federal #13	Facility Type	Well
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-40920

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	10	20S	28E					Eddy County, NM

Latitude N 32.58979° Longitude W 104.15874°

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Source of Release	Livestock opened valve at the well head	Date and Hour of Occurrence	02/11/2016	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	02/12/2016 @ 3:16 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.*

Livestock opened a valve at the well head spilling 0.5 bbl oil and 15 bbls of produced water. A vacuum truck recovered 2 bbls of produced water and skim oil and the valve was closed.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 105' x 57' on location around the well head. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 03/16/2016 and approved by Henryetta Price of the BLM on 03/17/2016.

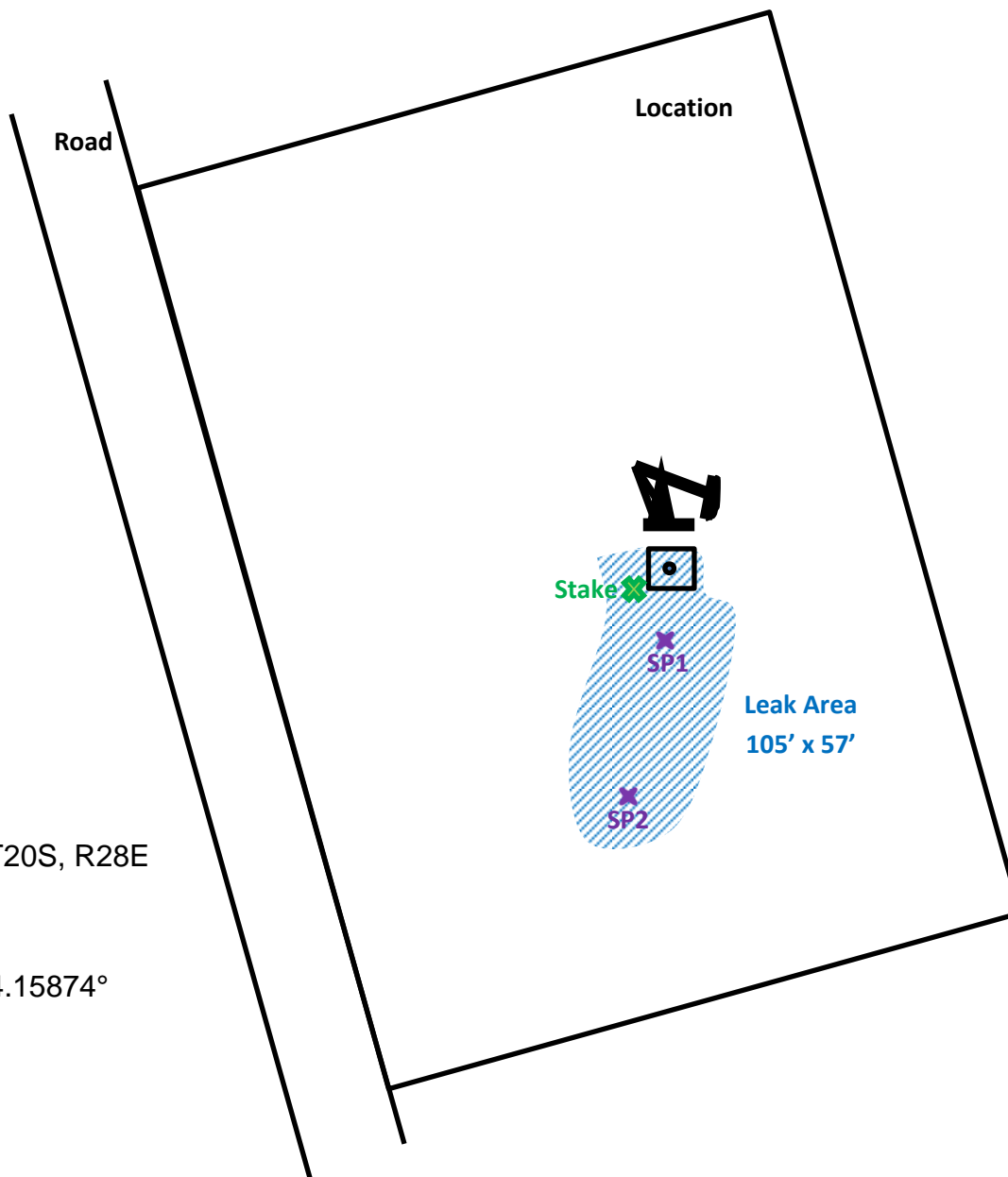
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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:			
Printed Name:	Casey Summers		
Title:	NM Environmental Advisor		
E-mail Address:	Casey_Summers@oxy.com		
Date:	8-31-16		
Phone:	(575) 513-8289		
		OIL CONSERVATION DIVISION	
		Approved by Environmental Specialist:	
		Approval Date:	Expiration Date:
		Conditions of Approval:	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary



Oxy
Government AB Federal #13 (2/11/16)



U/L H, Section 10, T20S, R28E
Eddy County, NM
N 32.58979° W 104.15874°
API#30-015-40920

BBC International, Inc.

Oxy
Government AF Fed #13

Date: 02/22/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016



Groundwater Plot

Oxy Government AB Federal #13

County
Eddy

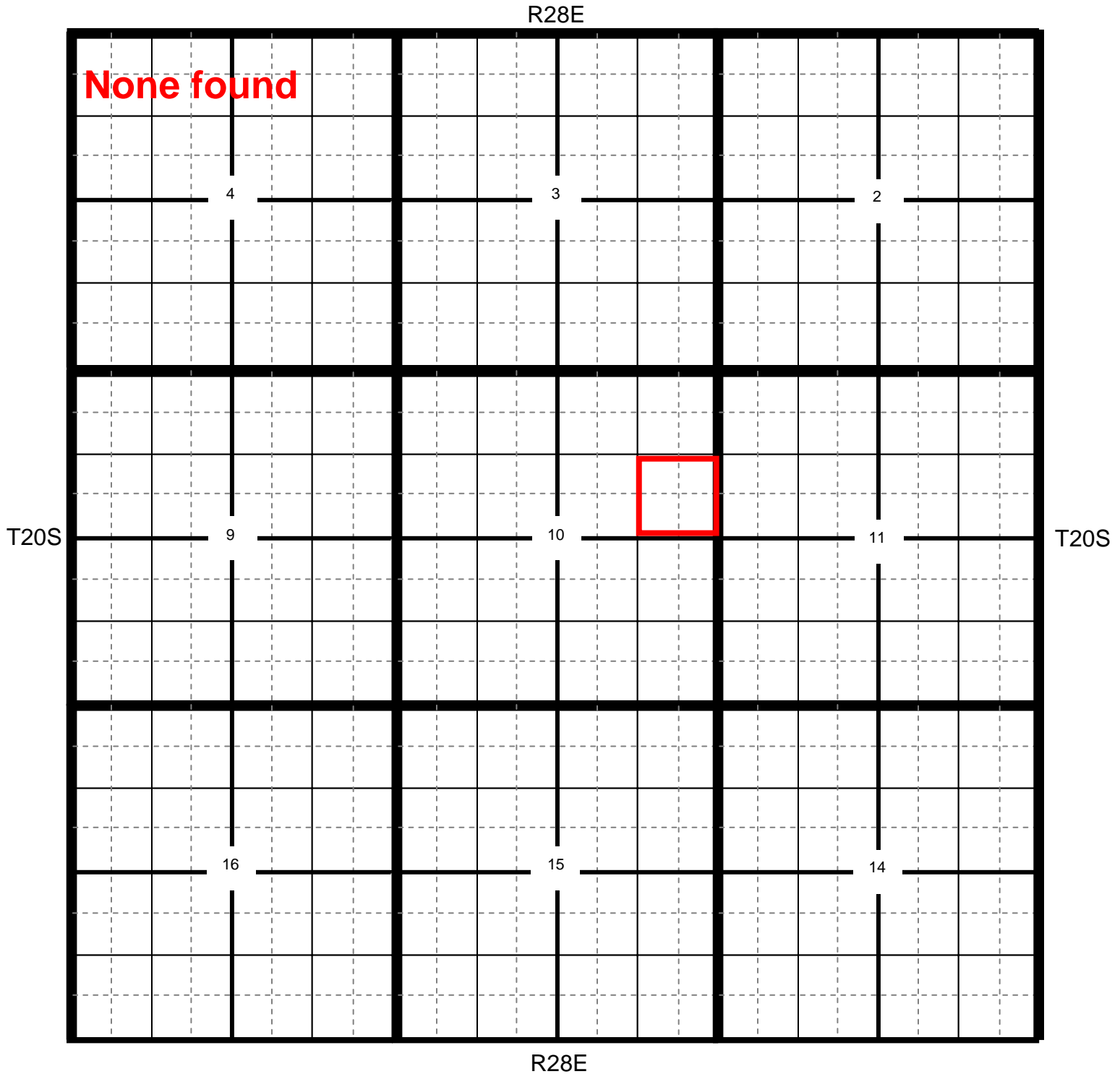
Unit Letter
H

Section
10

Township
20S

Range
28E

Trend Map 50'-75'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Government AB Federal #13

County Eddy Unit Letter H Section 10 Township 20S Range 28E

Trend Map 50'-75'

1

2

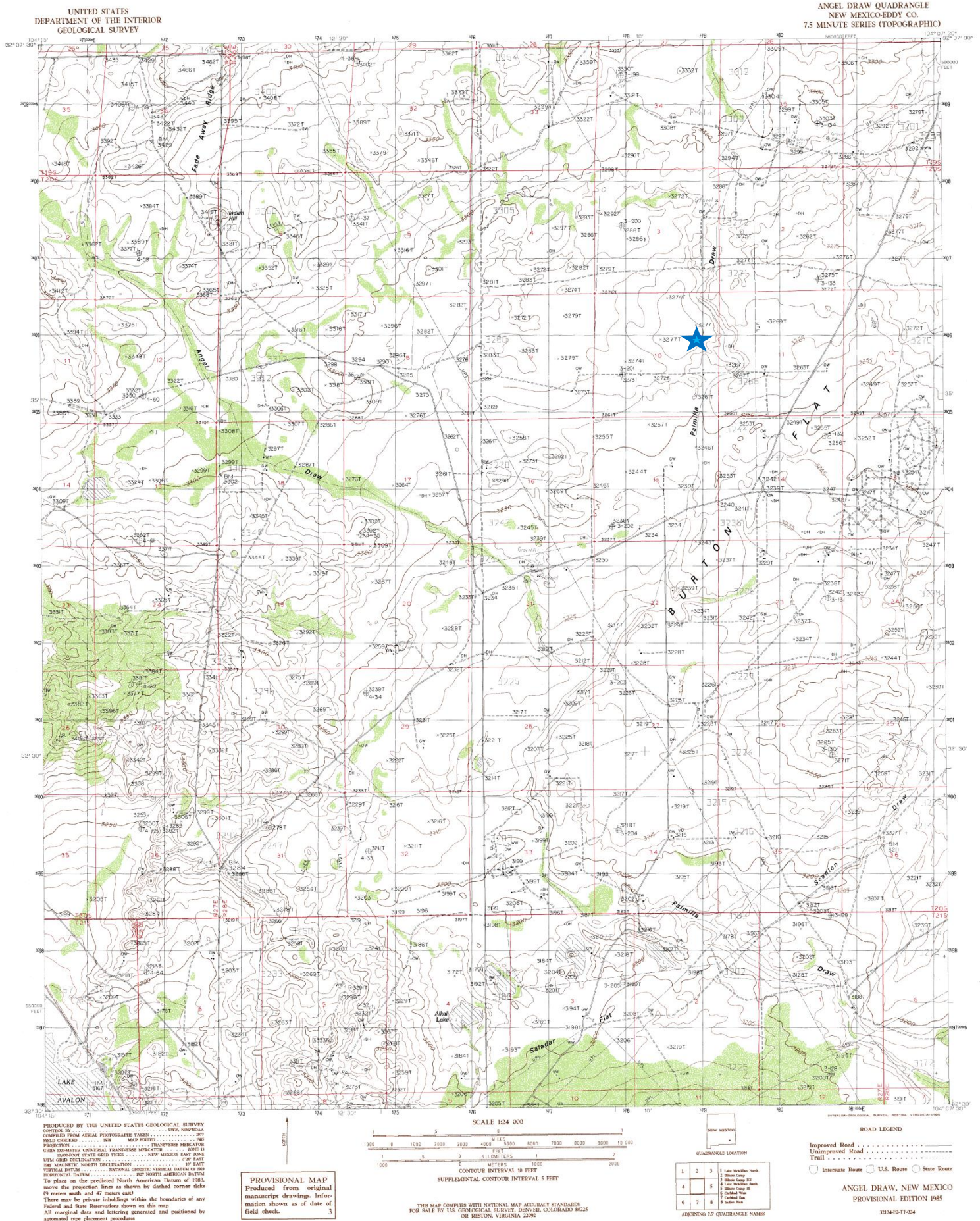
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SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

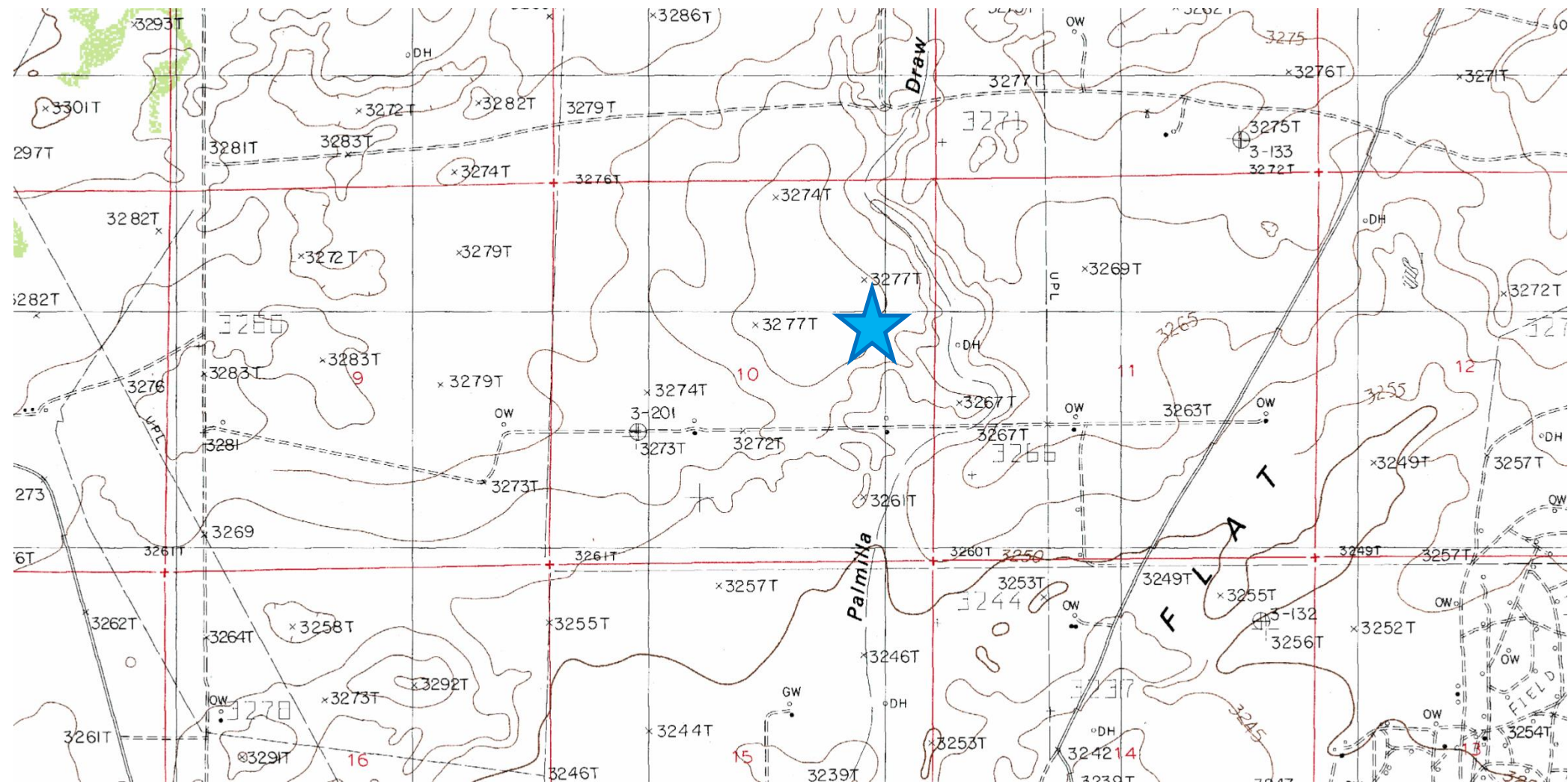
4

Oxy

Government AB Federal #13



Government AB Federal #13



**Laboratory Analytical Results Summary
Government AB Federal #13**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	3/2/16	3/2/16	3/2/16
			mg/Kg	mg/Kg	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		944	640	64
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP5 @ 2'
Analyte	Method	Date	3/2/16	3/2/16	3/2/16	3/2/16	3/2/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32	48	64	80	80
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		93.2	94.5	32	76.7	<10.0

March 10, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GOVERNMENT AB FEDERAL #13

Enclosed are the results of analyses for samples received by the laboratory on 03/07/16 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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:	03/07/2016	Sampling Date:	03/02/2016
Reported:	03/10/2016	Sampling Type:	Soil
Project Name:	GOVERNMENT AB FEDERAL #13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 1 @ 1' (H600489-01)

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2016	ND	2.08	104	2.00	0.193	
Toluene*	<0.050	0.050	03/08/2016	ND	2.03	102	2.00	0.140	
Ethylbenzene*	<0.050	0.050	03/08/2016	ND	1.83	91.3	2.00	0.480	
Total Xylenes*	<0.150	0.150	03/08/2016	ND	5.63	93.8	6.00	0.275	
Total BTX	<0.300	0.300	03/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	03/08/2016	ND	432	108	400	7.69	

TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	<10.0	10.0	03/08/2016	ND	209	104	200	4.50	

Surrogate: 1-Chlorooctane 99.8 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 28-171

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:	03/07/2016	Sampling Date:	03/02/2016
Reported:	03/10/2016	Sampling Type:	Soil
Project Name:	GOVERNMENT AB FEDERAL #13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 1 @ 2' (H600489-02)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2016	ND	2.08	104	2.00	0.193	
Toluene*	<0.050	0.050	03/08/2016	ND	2.03	102	2.00	0.140	
Ethylbenzene*	<0.050	0.050	03/08/2016	ND	1.83	91.3	2.00	0.480	
Total Xylenes*	<0.150	0.150	03/08/2016	ND	5.63	93.8	6.00	0.275	
Total BTEx	<0.300	0.300	03/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/08/2016	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	<10.0	10.0	03/08/2016	ND	209	104	200	4.50	

Surrogate: 1-Chlorooctane 99.7 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

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*=Accredited Analyte

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

Received:	03/07/2016	Sampling Date:	03/02/2016
Reported:	03/10/2016	Sampling Type:	Soil
Project Name:	GOVERNMENT AB FEDERAL #13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 1 @ 3' (H600489-03)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2016	ND	2.08	104	2.00	0.193	
Toluene*	<0.050	0.050	03/08/2016	ND	2.03	102	2.00	0.140	
Ethylbenzene*	<0.050	0.050	03/08/2016	ND	1.83	91.3	2.00	0.480	
Total Xylenes*	<0.150	0.150	03/08/2016	ND	5.63	93.8	6.00	0.275	
Total BTEx	<0.300	0.300	03/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/08/2016	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	<10.0	10.0	03/08/2016	ND	209	104	200	4.50	

Surrogate: 1-Chlorooctane 95.3 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

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Reported:	03/10/2016	Sampling Type:	Soil
Project Name:	GOVERNMENT AB FEDERAL #13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 2 @ 1' (H600489-04)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2016	ND	2.08	104	2.00	0.193	
Toluene*	<0.050	0.050	03/08/2016	ND	2.03	102	2.00	0.140	
Ethylbenzene*	<0.050	0.050	03/08/2016	ND	1.83	91.3	2.00	0.480	
Total Xylenes*	<0.150	0.150	03/08/2016	ND	5.63	93.8	6.00	0.275	
Total BTEx	<0.300	0.300	03/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/08/2016	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	93.2	10.0	03/08/2016	ND	209	104	200	4.50	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

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Reported:	03/10/2016	Sampling Type:	Soil
Project Name:	GOVERNMENT AB FEDERAL #13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 2 @ 2' (H600489-05)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2016	ND	2.08	104	2.00	0.193	
Toluene*	<0.050	0.050	03/08/2016	ND	2.03	102	2.00	0.140	
Ethylbenzene*	<0.050	0.050	03/08/2016	ND	1.83	91.3	2.00	0.480	
Total Xylenes*	<0.150	0.150	03/08/2016	ND	5.63	93.8	6.00	0.275	
Total BTEx	<0.300	0.300	03/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/08/2016	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	94.5	10.0	03/08/2016	ND	209	104	200	4.50	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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:	03/07/2016	Sampling Date:	03/02/2016
Reported:	03/10/2016	Sampling Type:	Soil
Project Name:	GOVERNMENT AB FEDERAL #13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 2 @ 3' (H600489-06)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2016	ND	2.08	104	2.00	0.193	
Toluene*	<0.050	0.050	03/09/2016	ND	2.03	102	2.00	0.140	
Ethylbenzene*	<0.050	0.050	03/09/2016	ND	1.83	91.3	2.00	0.480	
Total Xylenes*	<0.150	0.150	03/09/2016	ND	5.63	93.8	6.00	0.275	
Total BTEx	<0.300	0.300	03/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/08/2016	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	32.0	10.0	03/08/2016	ND	209	104	200	4.50	

Surrogate: 1-Chlorooctane 96.0 % 35-147

Surrogate: 1-Chlorooctadecane 98.6 % 28-171

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*=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:	03/07/2016	Sampling Date:	03/02/2016
Reported:	03/10/2016	Sampling Type:	Soil
Project Name:	GOVERNMENT AB FEDERAL #13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 2 @ 4' (H600489-07)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2016	ND	2.08	104	2.00	0.193	
Toluene*	<0.050	0.050	03/09/2016	ND	2.03	102	2.00	0.140	
Ethylbenzene*	<0.050	0.050	03/09/2016	ND	1.83	91.3	2.00	0.480	
Total Xylenes*	<0.150	0.150	03/09/2016	ND	5.63	93.8	6.00	0.275	
Total BTEx	<0.300	0.300	03/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 73.6-140

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	03/08/2016	ND	448	112	400	15.4	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	76.7	10.0	03/08/2016	ND	209	104	200	4.50	

Surrogate: 1-Chlorooctane 96.5 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 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:	03/07/2016	Sampling Date:	03/02/2016
Reported:	03/10/2016	Sampling Type:	Soil
Project Name:	GOVERNMENT AB FEDERAL #13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 2 @ 5' (H600489-08)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2016	ND	2.08	104	2.00	0.193	
Toluene*	<0.050	0.050	03/09/2016	ND	2.03	102	2.00	0.140	
Ethylbenzene*	<0.050	0.050	03/09/2016	ND	1.83	91.3	2.00	0.480	
Total Xylenes*	<0.150	0.150	03/09/2016	ND	5.63	93.8	6.00	0.275	
Total BTEx	<0.300	0.300	03/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.6-140

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	03/08/2016	ND	448	112	400	15.4	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2016	ND	198	98.8	200	3.81	
DRO >C10-C28	<10.0	10.0	03/08/2016	ND	209	104	200	4.50	

Surrogate: 1-Chlorooctane 79.4 % 35-147

Surrogate: 1-Chlorooctadecane 87.1 % 28-171

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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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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

Company Name: BBC International, Inc.		P.O. #:		BILL TO																			
Project Manager: Cliff Brunson		Company: Pxy		ANALYSIS REQUEST																			
Address: P.O. Box 805		Attn:																					
City: Hobbs		State: NM Zip: 88241																					
Phone #: 575-397-6388		Fax #: 575-397-0397																					
Project #:		Project Owner: Oxy																					
Project Name: Copernicus AB Field #13		City:																					
Project Location: Carlsted		State:																					
Sample Name: P.O.		Phone #:																					
FOR LAB USE ONLY		Fax #:																					
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		MATRIX		PRESERV		SAMPLING															
H600487		# CONTAINERS		GROUNDWATER		WASTEWATER		DATE		TIME													
1 Sp1e1		X		X		X		3-2		1020		BTEX											
2 Sp2e1		X		X		X		1030		1030		TPH											
3 Sp2e1		X		X		X		1048		1048		CI-											
4 Sp2e1		X		X		X		1201		1201													
5 Sp2e1		X		X		X		139		139													
6 Sp2e1		X		X		X		155		155													
7 Sp2e1		X		X		X		215		215													
8 Sp2e1		X		X		X																	
Relinquished By: [Signature]		Date: 3-6-16		Received By: [Signature]		Date: 3-6-16		Time: 5:30pm		Time: 5:30pm													
Reinquired By: [Signature]		Date: 3-6-16		Received By: [Signature]		Date: 3-6-16		Time: 5:30pm		Time: 5:30pm													
Delivered By: (Circle One)		Sample Condition		Cool		Intact		Checked By: [Signature]		Checked By: [Signature]													
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476		#54																					

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Wednesday, March 16, 2016 3:46 PM
To: Cliff Brunson
Cc: Patterson, Heather, EMNRD; Casey Summers; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Tucker, Shelly
Subject: RE: OXY-Government AB Federal #13-Remediation Plan

RE: OXY USA * Government AB Fed 13 * 30-015-40920 * **2RP-3562** * DOR 2/11/2016

Cliff,

Your proposal for remediation of the above referenced release is approved. Please reference the listed **2RP** number for future correspondence. Federal sites require like approval from BLM.

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, March 14, 2016 7:24 PM
To: Bratcher, Mike, EMNRD
Cc: Patterson, Heather, EMNRD; Casey Summers; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Government AB Federal #13-Remediation Plan

Mike, I am resending this one as well. I had the wrong name on the title page in the packet. My apologies again...

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy Government AB Federal #13 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 back 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.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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No virus found in this message.

Checked by AVG - www.avg.com

Version: 2015.0.6189 / Virus Database: 4542/11823 - Release Date: 03/16/16

Kathy Purvis

From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Monday, March 21, 2016 3:34 PM
To: Ken Swinney; Jennifer Gilkey; Kathy Purvis; Casey Summers; Dusty Wilson; Jennifer_Duarte@oxy.com
Subject: FW: OXY-Government AB Federal #13-Remediation Plan

FYI

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: Price, Henryetta [mailto:hprice@blm.gov]
Sent: Thursday, March 17, 2016 11:09 AM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: Re: OXY-Government AB Federal #13-Remediation Plan

Cliff,

BLM accepts and approves the proposed work plan. Please let us know when work has been completed. Thank you.

Henryetta Price

Environmental Protection Specialist
Bureau Of Land Management
Hprice@blm.gov
Phone 575-234-5951
Cell 575-706-2780
Fax 575-234-5927

On Thu, Mar 17, 2016 at 8:41 AM, Tucker, Shelly <stucker@blm.gov> wrote:

OCDs approval

----- Forwarded message -----

From: **Bratcher, Mike, EMNRD** <mike.bratcher@state.nm.us>

Date: Wed, Mar 16, 2016 at 3:46 PM

Subject: RE: OXY-Government AB Federal #13-Remediation Plan

To: Cliff Brunson <cbrunson@bbcinternational.com>

Cc: "Patterson, Heather, EMNRD" <Heather.Patterson@state.nm.us>, Casey Summers <Casey_Summers@oxy.com>, Dusty Wilson <dusty_wilson@oxy.com>, "Jennifer Duarte@oxy.com" <Jennifer_Duarte@oxy.com>, Ken Swinney <kswinney@bbcinternational.com>, Jennifer Gilkey <jgilkey@bbcinternational.com>, Kathy Purvis <kathy@bbcinternational.com>, "Tucker, Shelly" <stucker@blm.gov>

RE: OXY USA * Government AB Fed 13 * 30-015-40920 * **2RP-3562** * DOR 2/11/2016

Cliff,

Your proposal for remediation of the above referenced release is approved. Please reference the listed **2RP** number for future correspondence. Federal sites require like approval from BLM.

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, March 14, 2016 7:24 PM

To: Bratcher, Mike, EMNRD

Cc: Patterson, Heather, EMNRD; Casey Summers; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY-Government AB Federal #13-Remediation Plan

Mike, I am resending this one as well. I had the wrong name on the title page in the packet. My apologies again...

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy Government AB Federal #13 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 back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

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Mailing Address:

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Checked by AVG - www.avg.com

Version: 2015.0.6189 / Virus Database: 4542/11858 - Release Date: 03/21/16







