

Closure Report

Incident ID: NRM2015542482

Site Description

Site Name:	Red Tank 34 Fed #3
Company:	Oxy, Permian
Legal Description:	U/L H, Section 34, T22S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.34994 W -103.65616

Release Data

Date of Release:	5/24/2020
Type of Release:	Oil & Produced water
Source of Release:	Transition to steel in caliche berm gave due to corrosion
Volume of Release:	12 bbls Oil/10 bbls Produced Water
Volume Recovered:	9 bbls Oil/ 7 bbls Produced Water

Remediation Specifications

Remediation Parameters:	Excavated the entire leak area to a depth of 2 feet. Bottom confirmation samples were taken every 75 feet. The entire site was backfilled with clean soil.
Remediation Activities:	2/1/21 to 3/17/21

Plan Sent to OCD:	7/29/2020	Receipted on PO XMOOI-200729-C-1410
OCD Approval of Plan:	11/25/2020	Email from Robert Hamlet to Wade Dittrich
Plan Sent to BLM:	7/29/2020	Email from Cliff Brunson to Jim Amos
BLM Approval of Plan:	1/3/2021	Email from Jim Amos to Wade Dittrich

Supporting Documentation

Initial C-141	signed and included	
C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 3/20/20	
Depth to Groundwater	USGS Info	

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.

5/7/2021

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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRM2015542482
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210		

Location of Release Source

Latitude 32.349945 Longitude -103.656166
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	RED TANK 34 Federal #3	Site Type	WELL
Date Release Discovered	5-24-2020	API# (if applicable)	30-025-31951

Unit Letter	Section	Township	Range	County
H	34	T22S	R32E	LEA COUNTY, NM

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 12 BBLS	Volume Recovered (bbls) 9 BBLS
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10 BBLS	Volume Recovered (bbls) 7 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

TRANSITION TO STEEL IN CALICHE BERM GAVE DUE TO CORROSION

Form C-141

State of New Mexico
Oil Conservation Division

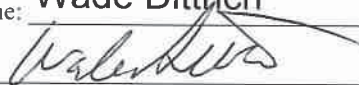
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Incident ID	NRM2015542482
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Wade Dittrich</u> Signature: <u></u> email: <u>wade_dittrich@oxy.com</u>	Title: <u>Environmental Coordinator</u> Date: <u>5-27-2020</u> Telephone: <u>(575) 390-2828</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2015542482
District RP	
Facility ID	
Application ID	


Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 3-30-21
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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


Closure Approved by: _____ Date: _____


Printed Name: _____ Title: _____


Oxy Red Tank 34 Fed #3

Leak Date: 5-24-2020
Lea County, NM
API: 30-025-31951
Incident ID: NRM2015542482

Legend

 2' Excavation

 Confirmation Samples

 Leak Area



Oxy, Red Tank 34 Federal #3 (5-24-20)

Confirmation Sample points

BS1, N 32.35012 W-103.65577

BS2, N 32.35012 W-103.65586

BS3, N 32.35008 W-103.65591

BS4, N 32.35009 W-103.65583

BS5, N 32.35009 W-103.65580

BS6, N 32.35005 W-103.65582

SW1, N 32.35015 W-103.65582

SW2, N 32.35007 W-103.65592

SW3, N 32.35007 W-103.65581

POG



OXY USA INC.

G CO.

RED TANK 34 FEDERAL NO. 2

1980' FNL & 660' FEL

SEC. 34, T22S, R32E

LEA COUNTY, NM NM-77060

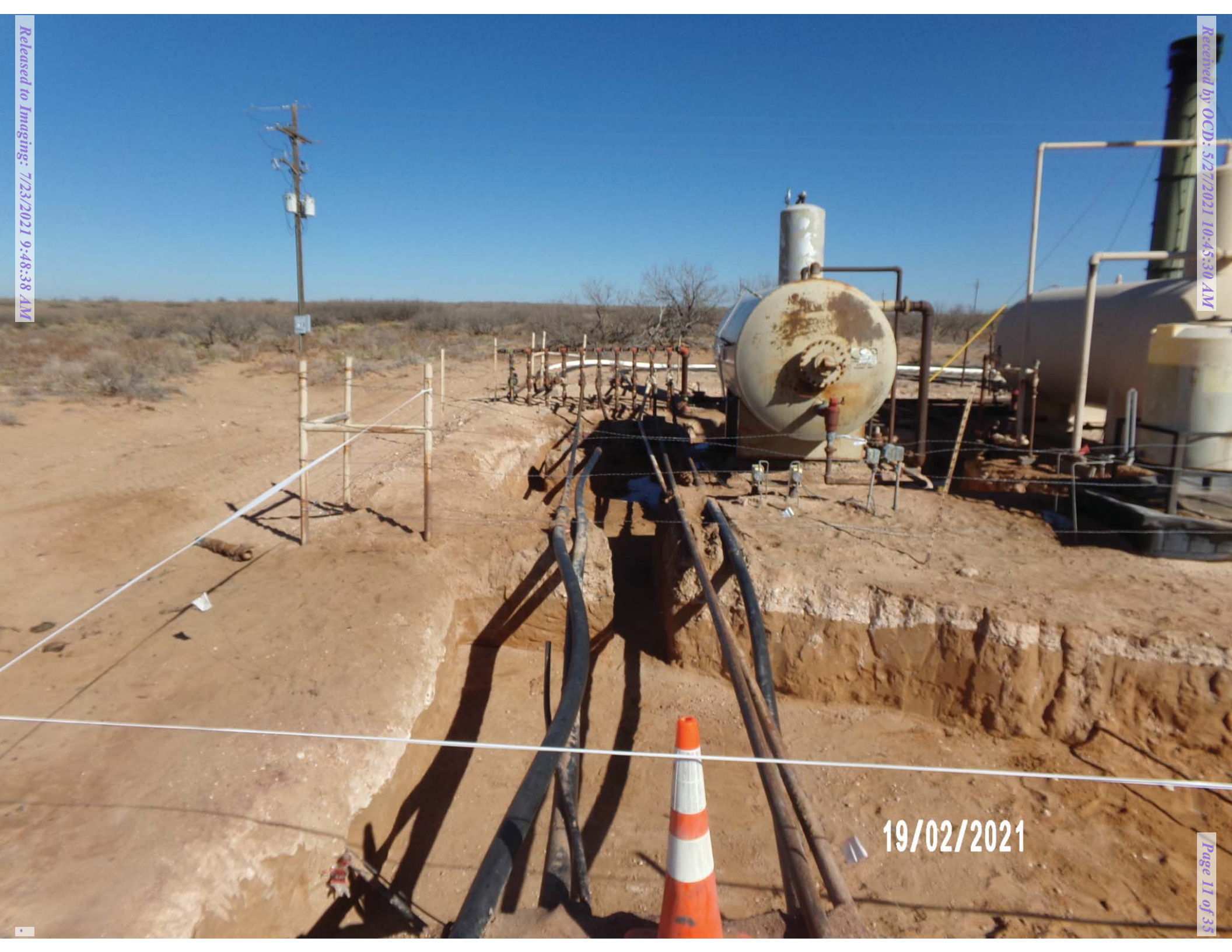
API# 30-025-31932







19/02/2021



19/02/2021



19/02/2021



04/13/2021

04/13/2021





04/13/2021



04/13/2021

Laboratory Analytical Results Summary
Oxy Red Tank 34 Fed #3 (5-24-20)

		Sample ID	BS1	BS1A	BS2	BS3	BS4	BS5	BS6
Analyte	Method	Date	3/10/21	3/12/21	3/10/21	3/10/21	3/10/21	3/10/21	3/10/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		720	352	400	448	400	368	112
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SW1	SW2	SW3
Analyte	Method	Date	3/10/21	3/10/21	3/10/21
			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		144	144	160
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

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

March 15, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 34 FEDERAL #3

Enclosed are the results of analyses for samples received by the laboratory on 03/10/21 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BS 1	H210603-01	Soil	10-Mar-21 09:03	10-Mar-21 16:00
BS 2	H210603-02	Soil	10-Mar-21 09:14	10-Mar-21 16:00
BS 3	H210603-03	Soil	10-Mar-21 09:32	10-Mar-21 16:00
BS 4	H210603-04	Soil	10-Mar-21 09:44	10-Mar-21 16:00
BS 5	H210603-05	Soil	10-Mar-21 10:06	10-Mar-21 16:00
BS 6	H210603-06	Soil	10-Mar-21 10:32	10-Mar-21 16:00
SW 1	H210603-07	Soil	10-Mar-21 10:50	10-Mar-21 16:00
SW 2	H210603-08	Soil	10-Mar-21 11:12	10-Mar-21 16:00
SW 3	H210603-09	Soil	10-Mar-21 11:27	10-Mar-21 16:00

03/15/21 - Spill date was changed as per the customer. This is the revised report and will replace the one sent on 03/ 11/21.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

BS 1
H210603-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	720		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Toluene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	1031021	ms	10-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129 1031021 ms 10-Mar-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane 89.6 % 44.3-144 1031020 MS 11-Mar-21 8015B

Surrogate: 1-Chlorooctadecane 87.1 % 42.2-156 1031020 MS 11-Mar-21 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

BS 2**H210603-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	400		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Toluene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	1031021	ms	10-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	73.3-129	1031021	ms	10-Mar-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane	92.9 %	44.3-144	1031020	MS	11-Mar-21	8015B	
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Surrogate: 1-Chlorooctadecane	91.1 %	42.2-156	1031020	MS	11-Mar-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

BS 3**H210603-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	448		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1031021	ms	10-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129 1031021 ms 10-Mar-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane 94.5 % 44.3-144 1031020 MS 11-Mar-21 8015B

Surrogate: 1-Chlorooctadecane 92.2 % 42.2-156 1031020 MS 11-Mar-21 8015B

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

BS 4**H210603-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	400		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Toluene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	1031021	ms	10-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	73.3-129	1031021	ms	10-Mar-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane	92.7 %	44.3-144	1031020	MS	11-Mar-21	8015B	
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Surrogate: 1-Chlorooctadecane	89.9 %	42.2-156	1031020	MS	11-Mar-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

BS 5**H210603-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	368		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Toluene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	1031021	ms	10-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	73.3-129	1031021	ms	10-Mar-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane	94.7 %	44.3-144	1031020	MS	11-Mar-21	8015B	
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Surrogate: 1-Chlorooctadecane	90.9 %	42.2-156	1031020	MS	11-Mar-21	8015B	
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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

BS 6**H210603-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1031021	ms	10-Mar-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1031021	ms	10-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129 1031021 ms 10-Mar-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane 89.2 % 44.3-144 1031020 MS 11-Mar-21 8015B

Surrogate: 1-Chlorooctadecane 86.2 % 42.2-156 1031020 MS 11-Mar-21 8015B

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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

SW 1**H210603-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Toluene*	<0.050	0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	1031021	ms	11-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	111 %	73.3-129	1031021	ms	11-Mar-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane	95.2 %	44.3-144	1031020	MS	11-Mar-21	8015B	
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Surrogate: 1-Chlorooctadecane	91.7 %	42.2-156	1031020	MS	11-Mar-21	8015B	
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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

SW 2**H210603-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1031021	ms	11-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129 1031021 ms 11-Mar-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane 93.5 % 44.3-144 1031020 MS 11-Mar-21 8015B

Surrogate: 1-Chlorooctadecane 90.6 % 42.2-156 1031020 MS 11-Mar-21 8015B

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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

SW 3
H210603-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	1031106	AC	11-Mar-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1031021	ms	11-Mar-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1031021	ms	11-Mar-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129 1031021 ms 11-Mar-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1031020	MS	11-Mar-21	8015B	

Surrogate: 1-Chlorooctane 98.4 % 44.3-144 1031020 MS 11-Mar-21 8015B

Surrogate: 1-Chlorooctadecane 95.2 % 42.2-156 1031020 MS 11-Mar-21 8015B

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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1031106 - 1:4 DI Water									
Blank (1031106-BLK1)					Prepared & Analyzed: 11-Mar-21				
Chloride	ND	16.0	mg/kg						
LCS (1031106-BS1)					Prepared & Analyzed: 11-Mar-21				
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (1031106-BSD1)					Prepared & Analyzed: 11-Mar-21				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20

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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1031021 - Volatiles**Blank (1031021-BLK1)**

Prepared & Analyzed: 10-Mar-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0540		mg/kg	0.0500		108	73.3-129			

LCS (1031021-BS1)

Prepared & Analyzed: 10-Mar-21

Benzene	2.12	0.050	mg/kg	2.00		106	72.2-131			
Toluene	2.18	0.050	mg/kg	2.00		109	71.7-126			
Ethylbenzene	2.27	0.050	mg/kg	2.00		114	68.9-126			
Total Xylenes	7.12	0.150	mg/kg	6.00		119	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0540		mg/kg	0.0500		108	73.3-129			

LCS Dup (1031021-BSD1)

Prepared & Analyzed: 10-Mar-21

Benzene	2.05	0.050	mg/kg	2.00		103	72.2-131	3.57	14.6	
Toluene	2.12	0.050	mg/kg	2.00		106	71.7-126	2.88	17.4	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	68.9-126	6.02	18.9	
Total Xylenes	6.72	0.150	mg/kg	6.00		112	71.4-125	5.80	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	73.3-129			

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Analytical Results For:

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

Project: RED TANK 34 FEDERAL #3
Project Number: (5-24-20)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
15-Mar-21 12:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1031020 - General Prep - Organics**Blank (1031020-BLK1)**

Prepared: 10-Mar-21 Analyzed: 11-Mar-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.9		mg/kg	50.0		85.8	44.3-144			
Surrogate: 1-Chlorooctadecane	41.8		mg/kg	50.0		83.7	42.2-156			

LCS (1031020-BS1)

Prepared: 10-Mar-21 Analyzed: 11-Mar-21

GRO C6-C10	217	10.0	mg/kg	200		109	83.7-135			
DRO >C10-C28	215	10.0	mg/kg	200		107	80.4-133			
Total TPH C6-C28	432	10.0	mg/kg	400		108	83.1-133			
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.3	44.3-144			
Surrogate: 1-Chlorooctadecane	47.7		mg/kg	50.0		95.4	42.2-156			

LCS Dup (1031020-BSD1)

Prepared: 10-Mar-21 Analyzed: 11-Mar-21

GRO C6-C10	222	10.0	mg/kg	200		111	83.7-135	2.02	13.8	
DRO >C10-C28	221	10.0	mg/kg	200		110	80.4-133	2.86	22.1	
Total TPH C6-C28	443	10.0	mg/kg	400		111	83.1-133	2.44	17.7	
Surrogate: 1-Chlorooctane	49.2		mg/kg	50.0		98.4	44.3-144			
Surrogate: 1-Chlorooctadecane	47.7		mg/kg	50.0		95.3	42.2-156			

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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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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

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]

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRM2015542482
District RP	
Facility ID	
Application ID	


Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 7-30-21
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Robert Hamlet Date: 7/23/2021

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

Closure Approved by: Robert Hamlet Date: 7/23/2021
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 29716

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 29716
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2015542482 RED TANK 34 FEDERAL #3, thank you. This closure is approved.	7/23/2021