

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

Form C-141
Revised April 3, 2017

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

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 USA INC (16696)	Contact	CASEY L SUMMERS
Address	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-513-8289
Facility Name	LOST TANK 3 FEDERAL #18	Facility Type	WELL

Surface Owner	FEDERAL	Mineral Owner	FEDERAL	API No.	30-015-37908
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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
O	3	22S	31E	770	SOUTH	1909	EAST	EDDY

Latitude_ 32.4154053_ Longitude__ -103.7633514_ NAD83

NATURE OF RELEASE

Type of Release	OIL & PRODUCED WATER	Volume of Release	3 bbls OIL & 20 bbls PW	Volume Recovered	12 bbls recovered
Source of Release	STUFFING BOX PACKING FAILURE	Date and Hour of Occurrence	04-27-2017	Date and Hour of Discovery	04-27-2017
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	MIKE BRATCHER-NMOCD; CRYSTAL WEAVER-NMOCD; SHELLY TUCKER-BLM		
By Whom?	CASEY L SUMMERS	Date and Hour	4/27/2017 5:03 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.*
Leak caused by a failure of the stuffing box packing on the wellhead. Recovery of the free fluids via vacuum truck and replaced well head packing.

Describe Area Affected and Cleanup Action Taken.*
The approximate area impacted by the release is 100x60 ft (measurements are subject to change with future GPS track). Remediation completed in accordance with a remediation plan approved by the NMOCD and 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:	John Dittrich	Approved by Environmental Specialist:	
Title:	Environmental Specialist	Approval Date:	4/5/2023
E-mail Address:	Wade_Dittrich@oxy.com	Expiration Date:	N/A
Date:	5/4/18	Conditions of Approval:	None
Phone:	1-575-390-2828	Attached	<input type="checkbox"/> 2RP-4199

Attach Additional Sheets If Necessary

Closure Report

Site Description

Site Name:	Lost Tank 3 Federal #18
Company:	Oxy USA Inc.
Legal Description:	U/L O, Section 3, T22S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.41551° W-103.76325°

Release Data

Date of Release:	04/27/2017
Type of Release:	Oil and produced water
Source of Release:	Stuffing box packing failure
Volume of Release:	3 bbls oil, 20 bbls produced water
Volume Recovered:	12 bbls

Remediation Specifications

Remediation Parameters:	The areas of SP1, SP2, SP3, SP6, and SP7 require no remediation. Excavate the areas of SP4 and SP5 to a depth of 1 foot. Excavate the areas of SP8, SP9, and SP10 to a depth of 2 feet. Backfill the site with clean soil.	
Remediation Activities:	04/20/2018 to 04/25/2018	
Plan Sent to OCD:	09/12/2017	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	09/20/2017	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	09/12/2017	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	10/03/2017	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 05/04/2017
Final C-141	Upon completion
Site Diagram	May 2017
Groundwater Plot	125'-150'
TOPO Maps	May 2017
Lab Summary	05/04/2017
Lab Analysis	05/04/2017
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

04/30/2018

NM OIL CONSERVATION

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Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

ARTESIA DISTRICT

Form C-141
Revised April 3, 2017

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

RECEIVED

MAY 04 2017

Release Notification and Corrective Action

DAB1712953618 OPERATOR Initial Report Final Report

Name of Company	OXY USA INC <i>11010910</i>	Contact	CASEY L SUMMERS
Address	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-513-8289
Facility Name	LOST TANK 3 FEDERAL #18	Facility Type	WELL
Surface Owner	FEDERAL	Mineral Owner	FEDERAL
		API No.	30-015-37908

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	3	22S	31E	770	SOUTH	1909	EAST	EDDY

Latitude 32.4154053 Longitude -103.7633514 NAD83

NATURE OF RELEASE

Type of Release	OIL & PRODUCED WATER	Volume of Release	3 bbls OIL & 20 bbls PW	Volume Recovered	12 bbls recovered
Source of Release	STUFFING BOX PACKING FAILURE	Date and Hour of Occurrence	04-27-2017	Date and Hour of Discovery	04-27-2017
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	MIKE BRATCHER-NMOCD; CRYSTAL WEAVER-NMOCD; SHELLY TUCKER-BLM		
By Whom?	CASEY L SUMMERS	Date and Hour	4/27/2017 5:03 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.*					
Leak caused by a failure of the stuffing box packing on the wellhead. Recovery of the free fluids via vacuum truck and replaced well head packing.					
Describe Area Affected and Cleanup Action Taken.*					
The approximate area impacted by the release is 100x60 ft (measurements are subject to change with future GPS track). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and 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 L SUMMERS	Approved by Environmental Specialist:			
Title:	ENVIRONMENTAL ADVISOR	Approval Date:	5/8/17	Expiration Date:	N/A
E-mail Address:	casey_summers@oxy.com	Conditions of Approval:	see attached		Attached <input checked="" type="checkbox"/>
Date:	5-4-17	Phone:	575-513-8289		

* Attach Additional Sheets If Necessary

2RP-4199

Operator/Responsible Party,

The OCD has received the form C-141 you provided on **5/4/17** regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4199 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District II office in Artesia on or before 6/4/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Weaver, Crystal, EMNRD

From: Casey_Summers@oxy.com
Sent: Thursday, May 4, 2017 10:30 AM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; stucker@blm.gov; Jennifer_Hudgens@oxy.com
Cc: cbrunson@bbcinternational.com; kswinney@bbcinternational.com; kathy@bbcinternational.com; jgilkey@bbcinternational.com
Subject: RE: LOST TANK 3 FEDERAL 0018
Attachments: LOST TANK 3 FED 18 - INITIAL C141.pdf

All,
Please see the initial C141 attached for the below release.

Casey Summers
O: (575)-628-4152
C: (575)-513-8289

From: Summers, Casey L
Sent: Thursday, April 27, 2017 3:57 PM
To: 'Bratcher, Mike, EMNRD' <mike.bratcher@state.nm.us>; 'Weaver, Crystal, EMNRD' <Crystal.Weaver@state.nm.us>; 'Tucker, Shelly' <stucker@blm.gov>; Hudgens, Jennifer A <Jennifer_Hudgens@oxy.com>
Cc: 'Cliff Brunson' <cbrunson@bbcinternational.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>
Subject: LOST TANK 3 FEDERAL 0018

All,
This is to inform you that Oxy Permian had a release in Eddy County at the LOST TANK 3 FEDERAL 0018 on 4/27/2017.

- **Release Location:** Legal O-03-22S-31E, API: 30-015-37908
- **Release Volume:** 0.3 bbls of Oil and 20 bbls of Produced Water
- **Recovered:** recover in process
- **Cause of Release:** STUFFING BOX PACKING ON WELLHEAD FAILED
- **Approximate Area impacted by release:** 100Lx60W FT (measurements are subject to change with future GPS track)
- **GPS Coordinates and Driving Direction:** 32.4154053,-103.7633514, FROM CARLSBAD NM ON HWY 128 E TO MM 10 TURN LEFT ON WHIPP ROAD TO DEAD END AND TURN LEFT GO TO MM 2 PASS THE ROAD CLOSED SIGNS TURN LEFT AND CROSS THE CATTLEGUARD FOLLOW TO DEAD END AND TURN RIGHT GO PASS THE POWER STATION TAKE THE CURVE TO THE LEFT PASS 4 PUMP JACKS ON LEFT AND TURN ON FIRST RIGHT LOCATION IS AT THE ROAD DEADEND

Please let me know if you have any questions.

Casey Summers
O: (575)-628-4152
C: (575)-513-8289

Weaver, Crystal, EMNRD

From: Casey_Summers@oxy.com
Sent: Thursday, April 27, 2017 4:03 PM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; stucker@blm.gov; Jennifer_Hudgens@oxy.com
Cc: cbrunson@bbcinternational.com; kswinney@bbcinternational.com; kathy@bbcinternational.com; jgilkey@bbcinternational.com
Subject: RE: LOST TANK 3 FEDERAL 0018

See correction below on oil release.

Casey Summers
O: (575)-628-4152
C: (575)-513-8289

From: Summers, Casey L
Sent: Thursday, April 27, 2017 3:57 PM
To: 'Bratcher, Mike, EMNRD' <mike.bratcher@state.nm.us>; 'Weaver, Crystal, EMNRD' <Crystal.Weaver@state.nm.us>; 'Tucker, Shelly' <stucker@blm.gov>; Hudgens, Jennifer A <Jennifer_Hudgens@oxy.com>
Cc: 'Cliff Brunson' <cbrunson@bbcinternational.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>
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Please let me know if you have any questions.

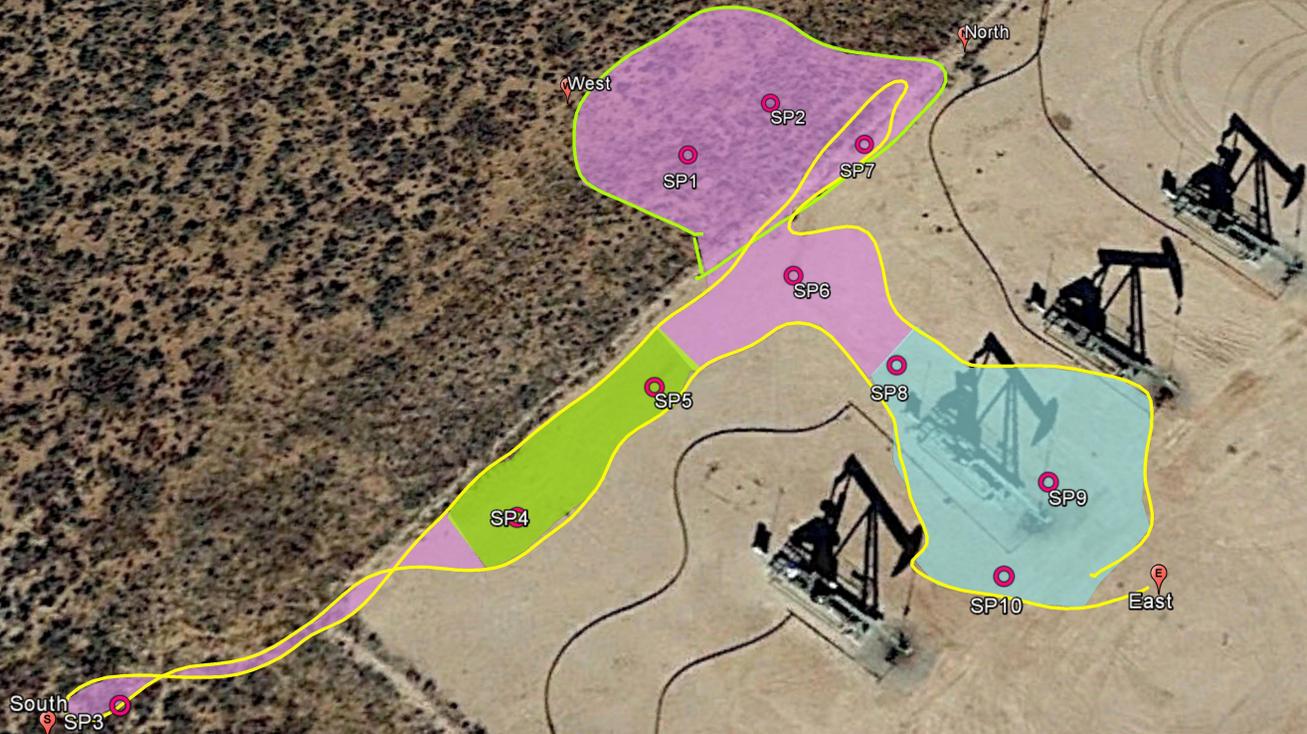
Casey Summers
O: (575)-628-4152
C: (575)-513-8289

Oxy, Lost Tank 3 Federal #18

Leak date: 04/27/2017
Eddy County, NM
API# 30-015-37908
2RP-4199

Legend

-  1' Excavation
-  2' Excavation
-  East sample, hand auger
-  Leak area
-  Leak Area
-  No remediation necessary
-  North sample, hand auger
-  Sample points, hand auger
-  South sample, hand auger
-  West sample, hand auger



Oxy, Lost Tank 3 Federal #18

Sample points, hand auger

SP1, N 32.41572 W-103.76367

SP2, N 32.41577 W-103.76360

SP3, N 32.41528 W-103.76407

SP4, N 32.41541 W-103.76378

SP5, N 32.41551 W-103.76368

SP6, N 32.41561 W-103.76357

SP7, N 32.41573 W-103.76352

SP8, N 32.41553 W-103.76349

SP9, N 32.41544 W-103.76337

SP10, N 32.41537 W-103.76340

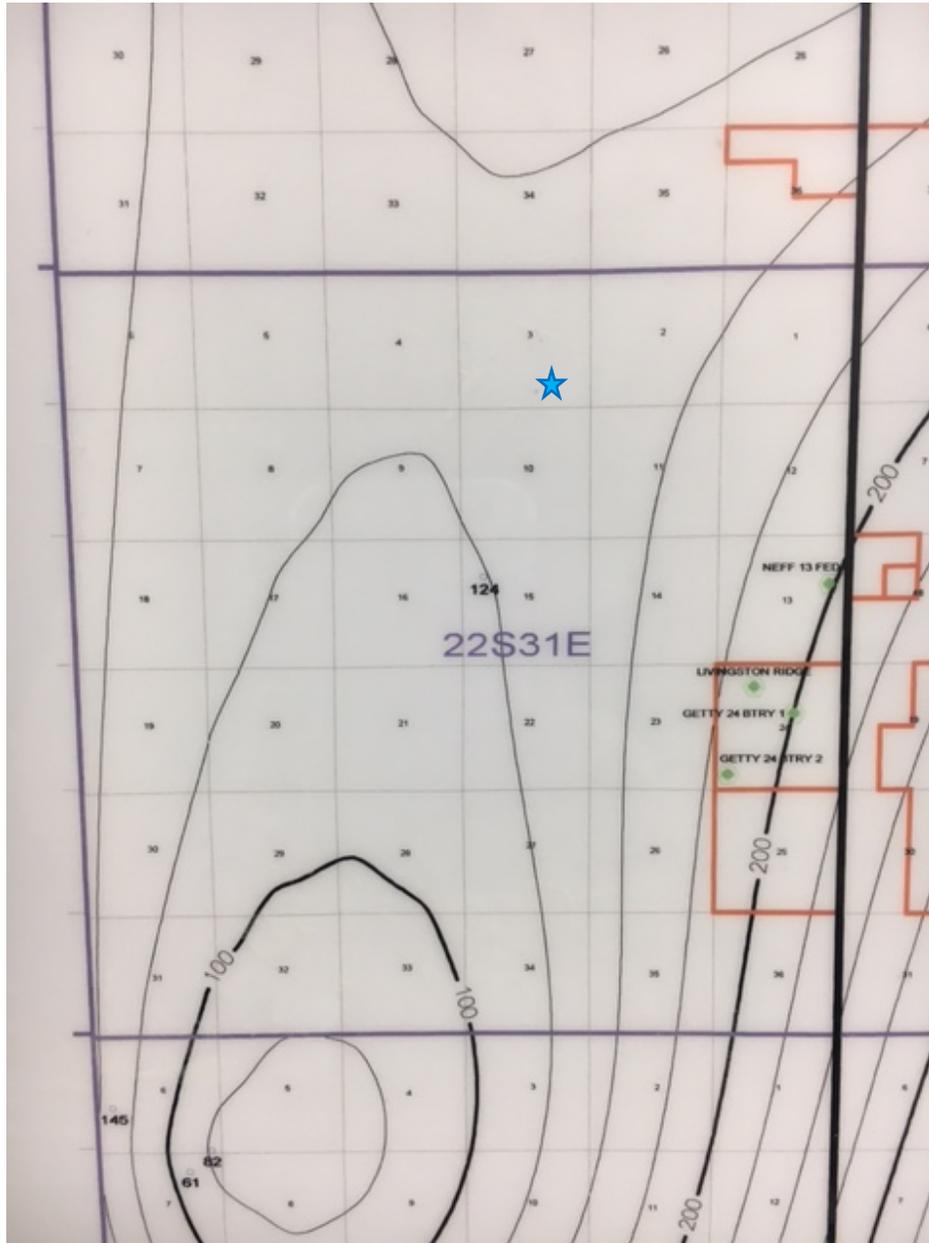
NORTH, N 32.41583 W-103.76343

SOUTH, N 32.41526 W-103.76412

EAST, N 32.41536 W-103.76328

WEST, N 32.41578 W-103.76378

Oxy, Lost Tank 3 Federal #18
U/L O, Section 3, T22S, R31E
Groundwater: 125'-150'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_02744			ED	3	2	1	11	22S	31E	617374	3586631*	<input type="checkbox"/>	1213	4911	

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 616264

Northing (Y): 3587122

Radius: 1700

*UTM location was derived from PLSS - see Help

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

5/4/17 2:45 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Public Land Survey System (PLSS)

Q64: Q16: SW Q4: SE Sec: 03 Tws: 22S Rng: 31E

State Plane Coordinate System - NAD27

X: ft Y: ft Zone:

State Plane Coordinate System - NAD83

X: ft Y: ft Zone:

Degrees/Minutes/Seconds

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

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

UTM - NAD27

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

SUBMIT

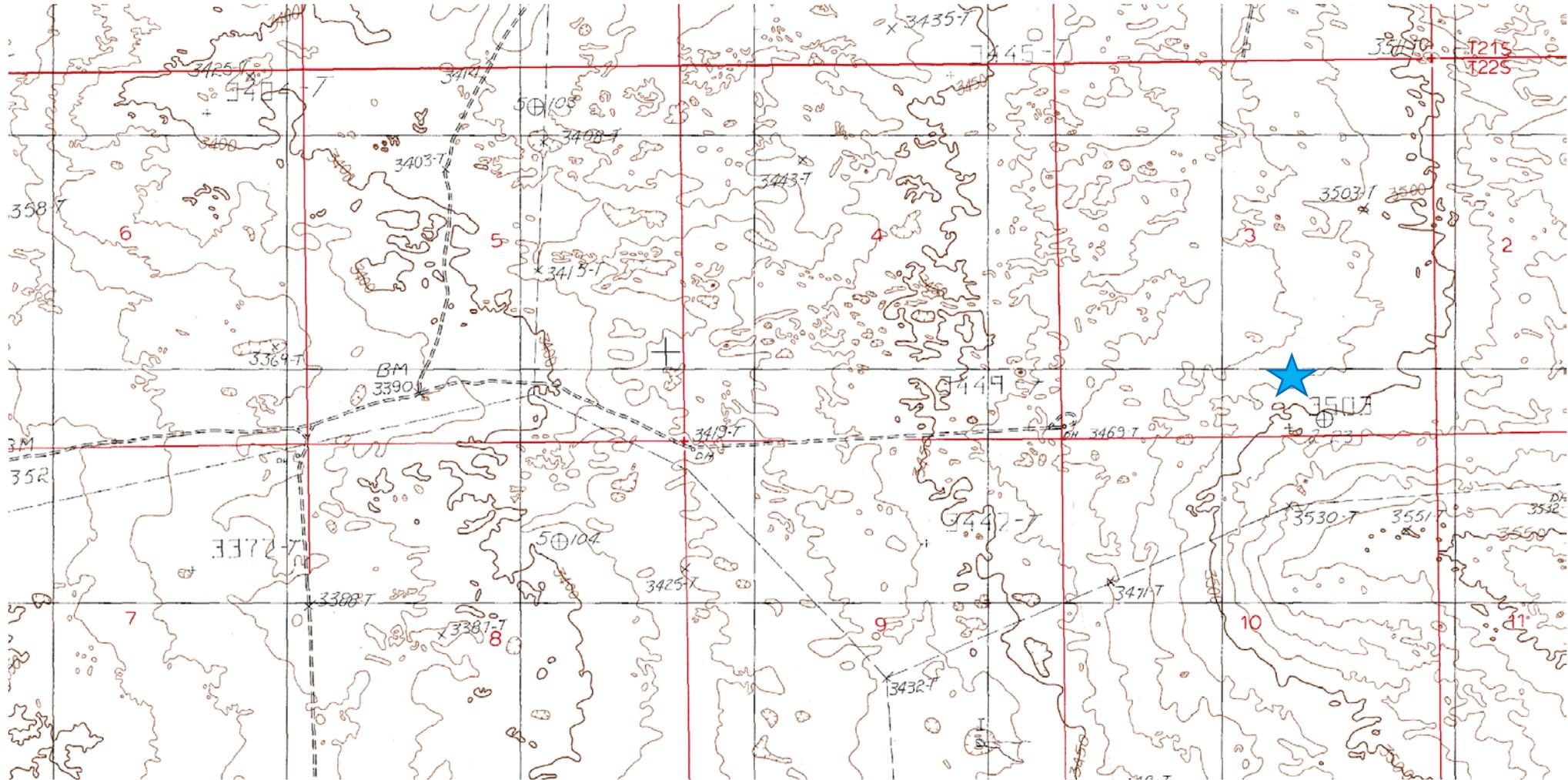
All Conversion Results are displayed as **NAD 1983 UTM Zone 13**

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

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

Oxy

Lost Tank 3 Federal #18



Laboratory Analytical Results Summary
Lost Tank 3 Federal #18

Analyte	Method	Sample Date	SP1 @ 1'	SP1 @ 6'
			5/4/17	5/4/17
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a
Toluene	BTEX 8021B		<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	n/a
Chloride	SM4500Cl-B		80	48
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

Analyte	Method	Sample Date	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 8'
			5/4/17	5/4/17	5/4/17	5/4/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		1490	32	48	48
GRO	TPH 8015M		<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a

Analyte	Method	Sample Date	SP2 @ 1'	SP2 @ 6'
			5/4/17	5/4/17
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a
Toluene	BTEX 8021B		<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	n/a
Chloride	SM4500Cl-B		80	64
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

Analyte	Method	Sample Date	SP6 @ 1'	SP6 @ 2'	SP6 @ 7'
			5/4/17	5/4/17	5/4/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		32	112	48
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a

Analyte	Method	Sample Date	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 8'
			5/4/17	5/4/17	5/4/17	5/4/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		16	<16	<16	<16
GRO	TPH 8015M		<10.0	n/a	n/a	n/a
DRO	TPH 8015M		32.3	n/a	n/a	n/a

Analyte	Method	Sample Date	SP7 @ 1'	SP7 @ 2'	SP7 @ 7'
			5/4/17	5/4/17	5/4/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		48	112	48
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a

Analyte	Method	Sample Date	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 8'
			5/4/17	5/4/17	5/4/17	5/4/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		1470	16	32	<16
GRO	TPH 8015M		<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a

Laboratory Analytical Results Summary
Lost Tank 3 Federal #18

Analyte	Method	Sample Date	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 5'	SP8 @ 7'	SP8 @ 8'	SP8 @ 9'	SP8 @ 14'
			mg/Kg							
Benzene	BTEX 8021B	5/4/17	<0.050	n/a						
Toluene	BTEX 8021B	5/4/17	<0.050	n/a						
Ethylbenzene	BTEX 8021B	5/4/17	<0.050	n/a						
Total Xylenes	BTEX 8021B	5/4/17	<0.150	n/a						
Total BTEX	BTEX 8021B	5/4/17	<0.300	n/a						
Chloride	SM4500Cl-B	5/4/17	1300	1840	1550	2400	16	272	32	16
GRO	TPH 8015M	5/4/17	<10.0	n/a						
DRO	TPH 8015M	5/4/17	<10.0	n/a						

Analyte	Method	Sample Date	SP9 @ 1'	SP9 @ 3'	SP9 @ 5'	SP9 @ 7'	SP9 @ 8'	SP9 @ 13'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	5/5/17	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B	5/5/17	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B	5/5/17	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B	5/5/17	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B	5/5/17	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B	5/5/17	1280	1640	944	272	16	32
GRO	TPH 8015M	5/5/17	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M	5/5/17	<10.0	n/a	n/a	n/a	n/a	n/a

Analyte	Method	Sample Date	SP10 @ 1'	SP10 @ 3'	SP10 @ 5'	SP10 @ 7'	SP10 @ 8'	SP10 @ 13'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	5/5/17	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B	5/5/17	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B	5/5/17	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B	5/5/17	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B	5/5/17	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B	5/5/17	1150	2440	2680	288	32	<16
GRO	TPH 8015M	5/5/17	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M	5/5/17	<10.0	n/a	n/a	n/a	n/a	n/a

Analyte	Method	Sample Date	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	5/5/17	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B	5/5/17	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B	5/5/17	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B	5/5/17	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B	5/5/17	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B	5/5/17	<16	<16	<16	16
GRO	TPH 8015M	5/5/17	n/a	n/a	n/a	n/a
DRO	TPH 8015M	5/5/17	n/a	n/a	n/a	n/a



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

May 15, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 3 FEDERAL #18

Enclosed are the results of analyses for samples received by the laboratory on 05/08/17 16:35.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP1 @ 1 (H701232-01)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	05/13/2017	ND	2.10	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.12	106	2.00	2.63	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	6.23	104	6.00	1.86	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 72-148

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	05/11/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 79.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 80.0 % 34.7-157

Sample ID: SP1 @ 6 (H701232-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/11/2017	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP2 @ 1 (H701232-03)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	05/13/2017	ND	2.10	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.12	106	2.00	2.63	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	6.23	104	6.00	1.86	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 72-148

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	05/11/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 80.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.1 % 34.7-157

Sample ID: SP2 @ 6 (H701232-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/11/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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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:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP3 @ 1 (H701232-05)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	05/13/2017	ND	2.10	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.12	106	2.00	2.63	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	6.23	104	6.00	1.86	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 72-148

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	05/11/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	32.3	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 81.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.9 % 34.7-157

Sample ID: SP3 @ 2 (H701232-06)

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	05/11/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP3 @ 3 (H701232-07)

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	05/11/2017	ND	416	104	400	0.00	

Sample ID: SP3 @ 8 (H701232-08)

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	05/11/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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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:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP4 @ 1 (H701232-09)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	05/13/2017	ND	2.10	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.12	106	2.00	2.63	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	6.23	104	6.00	1.86	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	05/11/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 78.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 71.1 % 34.7-157

Sample ID: SP4 @ 2 (H701232-10)

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	05/11/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP4 @ 3 (H701232-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/11/2017	ND	416	104	400	0.00	

Sample ID: SP4 @ 8 (H701232-12)

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	05/11/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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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:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP5 @ 1 (H701232-13)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	05/13/2017	ND	2.10	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.12	106	2.00	2.63	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	6.23	104	6.00	1.86	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	05/11/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 75.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 72.8 % 34.7-157

Sample ID: SP5 @ 2 (H701232-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/11/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP5 @ 3 (H701232-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/11/2017	ND	416	104	400	0.00	

Sample ID: SP5 @ 8 (H701232-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/11/2017	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:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP6 @ 1 (H701232-17)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	05/13/2017	ND	2.10	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.12	106	2.00	2.63	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	6.23	104	6.00	1.86	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 72-148

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	05/11/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 85.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.6 % 34.7-157

Sample ID: SP6 @ 2 (H701232-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/11/2017	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:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP6 @ 7 (H701232-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/11/2017	ND	416	104	400	0.00	

Sample ID: SP7 @ 1 (H701232-20)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	05/13/2017	ND	2.10	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.12	106	2.00	2.63	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	6.23	104	6.00	1.86	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/11/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 83.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.7 % 34.7-157

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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:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP7 @ 2 (H701232-21)

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	05/11/2017	ND	416	104	400	0.00	

Sample ID: SP7 @ 7 (H701232-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/11/2017	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:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP8 @ 1 (H701232-23)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	05/13/2017	ND	2.10	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.12	106	2.00	2.63	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	6.23	104	6.00	1.86	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	05/11/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 73.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 78.1 % 34.7-157

Sample ID: SP8 @ 2 (H701232-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	05/11/2017	ND	416	104	400	3.77	

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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:	05/08/2017	Sampling Date:	05/04/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP8 @ 3 (H701232-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP8 @ 5 (H701232-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP8 @ 7 (H701232-27)

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	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP8 @ 8 (H701232-28)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP8 @ 9 (H701232-29)

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	05/11/2017	ND	416	104	400	3.77	

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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:	05/08/2017	Sampling Date:	05/05/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP8 @ 14 (H701232-30)

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	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP9 @ 1 (H701232-31)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.40	120	2.00	0.806	
Toluene*	<0.050	0.050	05/13/2017	ND	2.41	121	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.39	119	2.00	0.822	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	7.19	120	6.00	0.808	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	05/11/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 81.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.2 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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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:	05/08/2017	Sampling Date:	05/05/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP9 @ 3 (H701232-32)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP9 @ 5 (H701232-33)

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	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP9 @ 7 (H701232-34)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP9 @ 8 (H701232-35)

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	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP9 @ 13 (H701232-36)

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	05/11/2017	ND	416	104	400	3.77	

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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:	05/08/2017	Sampling Date:	05/05/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP10 @ 1 (H701232-37)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2017	ND	2.40	120	2.00	0.806	
Toluene*	<0.050	0.050	05/13/2017	ND	2.41	121	2.00	1.84	
Ethylbenzene*	<0.050	0.050	05/13/2017	ND	2.39	119	2.00	0.822	
Total Xylenes*	<0.150	0.150	05/13/2017	ND	7.19	120	6.00	0.808	
Total BTEX	<0.300	0.300	05/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	05/11/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2017	ND	187	93.6	200	1.76	
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	191	95.5	200	0.844	

Surrogate: 1-Chlorooctane 69.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.9 % 34.7-157

Sample ID: SP10 @ 3 (H701232-38)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	05/11/2017	ND	416	104	400	3.77	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/08/2017	Sampling Date:	05/05/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: SP10 @ 5 (H701232-39)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP10 @ 7 (H701232-40)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP10 @ 8 (H701232-41)

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	05/11/2017	ND	416	104	400	3.77	

Sample ID: SP10 @ 13 (H701232-42)

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	05/11/2017	ND	416	104	400	3.77	

Sample ID: NORTH @ 1 (H701232-43)

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	05/11/2017	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/08/2017	Sampling Date:	05/05/2017
Reported:	05/15/2017	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #18	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	WIPP RD		

Sample ID: EAST @ 1 (H701232-44)

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	05/11/2017	ND	432	108	400	3.64	

Sample ID: WEST @ 1 (H701232-45)

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	05/11/2017	ND	432	108	400	3.64	

Sample ID: SOUTH @ 1 (H701232-46)

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	05/11/2017	ND	432	108	400	3.64	

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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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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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:			
Project Manager: Cliff Brunson		Company:	OKY		
Address: P.O. Box 805		Attn:			
City: Hobbs		Address:			
Phone #: 575-397-6388		City:			
State: NM Zip: 88241		State:			
Fax #: 575-397-0397		Zip:			
Project #: <i>Project Owner: OKY</i>					
Project Name: <i>Lost Tank 3 Federal #10</i>					
Project Location: <i>WIPP Rd</i>					
Sampler Name: <i>10</i>					
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	DATE	TIME	ANALYSIS REQUEST
		# CONTAINERS			
		MATRIX			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		PRESERV.			
		SAMPLING			

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Relinquished By: <i>Will O'neal SS</i>	Date: <i>5-8-17</i>	Received By: <i>Summa</i>	Checked By: <i>TS</i>
Time: <i>4:35</i>			
Relinquished By: <i>Will O'neal SS</i>	Date: <i>5-8-17</i>	Received By: <i>Summa</i>	Checked By: <i>TS</i>
Time: <i>4:35</i>			
Delivered By: (Circle One)	Sampler - UPS - Bus - Other:	Sample Condition	CHECKED BY: (Initials)
		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"/>	

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS:

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/5

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs
 Phone #: 575-397-6388
 Project #: [blank]
 Project Name: *lost Tank 3 Federal # 18*
 Project Location: *WPP Federal # 18*
 Sampler Name: *V.9*

P.O. #: [blank]
 Company: *OXY*
 Attn: [blank]
 Address: [blank]
 City: [blank]
 State: [blank]
 Zip: [blank]

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CI-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<i>HPD1332</i>	<i>SP702</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-9</i>	<i>1:45</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>SP007</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>3:30</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>3</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>3:33</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>3:15</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>3:01</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>5-5</i>	<i>2:55</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2</i>	<i>G-1</i>	<i>1</i>	<i>X</i>	<i>X</i>									



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4/5

Company Name: BBC International, Inc. **BILL TO** P.O. #:
 Project Manager: Cliff Brunson Company: *AY* **ANALYSIS REQUEST**
 Address: P.O. Box 805 State: NM Zip: 88241 Attn:
 City: Hobbs Address:
 Phone #: 575-397-6388 Fax #: 575-397-0397 City:
 Project #: Project Owner: *OKY* State: Zip:
 Project Name: *lost Tank 3 Federal #18* Phone #:
 Project Location: *WIPP Rd* Fax #:
 Sampler Name: *LD*

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	Cl-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<i>H901232</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>31</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>32</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>33</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>34</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>35</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>36</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>37</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>38</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>39</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>40</i>	<i>SP923</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *WFF* Date: *5-8-17* Received By: *Jamara*
 Relinquished By: *WFF* Date: *5-9-17* Received By: *Jamara*
 Delivered By: (Circle One) *UPS* Sample Condition: Intact Cool Yes No
 Sampler - UPS - Bus - Other: *UPS* CHECKED BY: *WFF*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Handwritten signature/initials

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:									
Project Manager: Cliff Brunson		Company:		OXY							
Address: P.O. Box 805		Attn:									
City: Hobbs		Address:									
Phone #: 575-397-6388		City:									
State: NM Zip: 88241		State:									
Fax #: 575-397-0397		Zip:									
Project #: <i>OXY</i>		Phone #:									
Project Name: <i>Lost Tank 3 Federal 12/10</i>		Fax #:									
Project Location: <i>WIPP 2 Federal 12/10</i>		Matrix:									
Sampler Name: <i>V. D.</i>		PRESERV:									
FOR LAB USE ONLY		SAMPLING									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	DATE	TIME						
<i>H101032</i>	<i>SP1008</i>			<i>5-5</i>	<i>293</i>						
<i>41</i>	<i>13</i>				<i>245</i>						
<i>42</i>	<i>North 01</i>				<i>305</i>						
<i>43</i>	<i>East 01</i>				<i>310</i>						
<i>44</i>	<i>West 01</i>				<i>315</i>						
<i>45</i>	<i>South 01</i>				<i>320</i>						
<i>46</i>											

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Relinquished By: *[Signature]* Date: *5-8-17* Time:
 Received By: *[Signature]* Date: *5-8-17* Time:

Relinquished By: *[Signature]* Date: *5-8-17* Time:
 Received By: *[Signature]* Date: *5-8-17* Time:

Delivered By: (Circle One) *UPS* Date: *5-8-17* Time: *4:35*
 Received By: *[Signature]* Date: *5-8-17* Time: *10:45*

Sampler - UPS - Bus - Other: *UPS* Sample Condition: *Intact*
 Cool Yes No Intact Yes No

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

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

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 Lost Tank 3 Federal #18 (2RP-4199) - Delineation Workplan
Date: Wednesday, September 20, 2017 2:08:07 PM

RE: OXY USA * Lost Tank 3 Fed 18 * **2RP-4199** * DOR: 4/27/17

Cliff,

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

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: Tuesday, September 12, 2017 6:44 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 Lost Tank 3 Federal #18 (2RP-4199) - Delineation Workplan

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the OXY Lost Tank 3 Federal #18 (2RP-4199). 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 Lost Tank 3 Federal #18 (2RP-4199) - Delineation Workplan
Date: Tuesday, October 3, 2017 4:11:20 PM

BLM concurs with NMOCD approval.

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 2:07 PM, Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us> wrote:

RE: OXY USA * Lost Tank 3 Fed 18 * **2RP-4199** * DOR: 4/27/17

Cliff,

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

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: Tuesday, September 12, 2017 6:44 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 Lost Tank 3 Federal #18 (2RP-4199) - Delineation Workplan

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the OXY Lost Tank 3 Federal #18 (2RP-4199). 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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Hall, Brittany, EMNRD

From: Dittrich, John W <Wade_Dittrich@oxy.com>
Sent: Thursday, February 21, 2019 4:35 PM
To: yolanda@bbcinternational.com
Subject: FW: Lost Tank 3 Federal #18 rp4199

Wade Dittrich

Environmental Coordinator

Oxy Permian-New Mexico

575-390-2828 cell

575-397-8214 office

Wade_Dittrich@Oxy.com

From: Shelly Tucker <stucker@blm.gov>
Sent: Wednesday, July 11, 2018 2:40 PM
To: Dittrich, John W <Wade_Dittrich@oxy.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Subject: Re: [EXTERNAL] Lost Tank 3 Federal #18

BLM accepts your closure request.

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

575.234.5905 - Direct

575.361.0084 - Cellular

575.234.6235 - Emergency Spill Number

stucker@blm.gov

Bureau of Land Management

620 E. Greene St
Carlsbad, NM 88220

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 a site does not achieve successful restoration, or future issues with contaminants are encountered, the operator will be asked to address these issues until they 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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NOTE: LPC Timing Stipulations - from March 1st through June 15th. Please plan remedial activities accordingly. Check for African Rue...treat (before it gets out of control).

On Mon, May 7, 2018 at 8:13 AM <Wade_Dittrich@oxy.com> wrote:

All,

Attached are the **Final C141** and **Closure Report**. Please review and let me know if there are any questions.

Wade Dittrich
Environmental Specialist
Oxy Permian-New Mexico
575-390-2828 cell
575-397-8214 office
Wade_Dittrich@Oxy.com

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 203851

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 203851
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	4/5/2023