Received by OCD: 4/4/2023 9:28:06 AM

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.

R	elease	Notification	and	Corrective	Action
4.4	CICUSC	TACHTICHTON	GRIEU	CULLCUIT	

					OPERA'	TOR		Initial	Report	\boxtimes	Final Report
Name of Company OXY USA INC					Contact V	VADE DITTRIC	CH				
Address PO BOX 4294; HOUSTON, TX 77210					Telephone l						
Facility Nan	ne LOS'	T TANK 35	STATE :	#4 CTB	Facility Typ	Facility Type BATTERY					
Surface Owner Mineral Owner					er Stat	2		API No.	30-015	-3127	5
			ON OF REI	LEASE							
Unit Letter						Feet from the	East/W	Vest Line		Count	У
M	35	218	SOUTH	560	w	EST		EDD'	Y		
			Latit	ude_32.4287224_	Longitude10	3.7553329 N	AD83				
				NATUE	E OF REL	EASE					
Type of Relea	ise OIL &	& PRODUCE	D WATE	?	1	Release . 25 bl	1	Volume Ro	ecovered	0 BBL	.S
Source of Rel	ease 2 ir	ich steel wat	er line be	tween heater's		lour of Occurrence		Date and H	lour of Dis	covery	-
Was Immedia	ite Notice C		Yes	No 🔲 Not Requi		Whom? ATCHER-NMOC NN-NMSLO	CD; CRY	STAL WE	AVER-NN	40CD	
By Whom?						lour 7/28/2017					
Was a Watero	ourse Reac		Yes 🗵	No	If YES, Vo	lume Impacting t	he Water	rcourse.			
If a Watercou	rse was Im	pacted, Descri	be Fully.*		1						
Describe Cau	se of Proble	em and Remed	lial Action	Taken.*							
Spill was cau:	sed by a fai	lure in the 2 ii	ich steel v	ater line between hea	iter's. The line h	as been repaired a	ind returi	ned to servi	ce.		
Describe Area	a Affected a	and Cleanup A	Action Tak	en.*							
The affected :	area of the s	nill ic 85v 15	ET Leal	did not leave locat	ion (magguran	iante ara cubiact	t to char	nga with G	DS tranki	na)	1
				a remediation plan					ro uacki.	пg <i>)</i> .	
NMOCD Ca	ise Numbe	er is 2RP-432	23	-							
I hereby certi-	fy that the i	nformation gi	ven above	is true and complete d/or file certain releas	to the best of my	knowledge and u	nderstan	d that pursu	iant to NM	OCD n	iles and
public health	or the envii	onment. The	acceptanc	e of a C-141 report by	the NMOCD m	arked as "Final Re	eport" do	oes not relie	eve the ope	rator of	liability
should their o	perations h	ave failed to a	dequately	investigate and reme	diate contaminati	on that pose a thre	eat to gro	ound water,	surface wa	ater, hu	man health
federal, state,				tance of a C-141 repo	rt does not reliev	e the operator of i	responsit	bility for co	mpliance v	vith any	other .
		. / /	1 -, -	-/		OIL CONS	SERV.	ATION I	DIVISIO	<u>NC</u>	
Signature:	h	de ll	Alth							11	/ /
Printed Name	: WADE	DITTRICH			Approved by	Environmental S _I	pegialist	: K)i	illary	Ha	Ц
Title: ENV	IROMENT	AL COORDI	NATOR		Approval Da	e: 4/10/2023	E	Expiration D	oate: N	/A	
E-mail Addre	ss: wade	dittrich@ox	y.com		Conditions o	Approval:			A		
				. 575 300 3939		none			Attached	. П	
Date: 5/22/	10		Phone	: 575-390-2828					<u> </u>		

Closure Report

Site Description						
Site Name:	Oxy USA					
Company:	Lost Tank 35 State #4 CTB					
Legal Description:	U/L M, Section 35, T21S, R31E					
County:	Eddy County, NM					
GPS Coordinates:	N 32.42871 W-103.75585					

Release Data						
Date of Release:	07/28/2017					
Type of Release:	Oil and produced water					
Source of Release:	2 inch steel water line compromised					
Volume of Release:	0.25 bbl oil, 25 bbls produced water					
Volume Recovered:	0 bbls					

Remediation Specifications									
Remediation Parameters:	Excavate the entire leak area to a depth of 6 inches. Backfill the site with clean soil.								
Remediation Activities:	05/14/2018 to 0	5/18/2018							
Plan Sent to OCD:	11/22/2017	Email from Cliff Brunson to Mike Bratcher							
OCD Approval of Plan:	03/05/2018	Email from Mike Bratcher to Cliff Brunson							
Plan Sent to BLM:	n/a	n/a							
BLM Approval of Plan:	n/a	n/a							

Supporting Documentation							
Initial C-141	Signed 08/02/2017						
Final C-141	Upon completion						
Site Diagram	August 2017						
Groundwater Plot	125'-50'						
TOPO Maps	August 2017						
Lab Summary	09/18/2017						
Lab Analysis	09/18/2017						
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 USA

05/22/2018

NM OIL CONSERVATION

ARTESIA DISTRICT

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

AUG 0 2 2017

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECURIVE Spy to appropriate District Office in accordance with 19.15.29 NMAC.

			TACH	ease Notific	TAUUI	anu Cu		CHUL			
1AB17	21950	1923				OPERA	ror		☑ Initia	l Report	Final Repor
Name of Co	ompany	OXY USA I		16696			VADE DITTRIC	CH			
		294; HOUS				Telephone N					
acility Na	me LOS'	TTANK 35	STATE	#4 CTB	1	Facility Typ	e BATTERY	· 			
Surface Ow	ner			Mineral ()wner				API No.	30-015	5-31275
				LOC	ATION	OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/\	West Line		County
М	35	215	31E	330	S	OUTH	560	N	VEST		EDDY
			Lat	itude_32.4293	30_ Lon	gitude10	3.775490 NA	AD83			
				NAT	TURE	OF RELI	EASE				
ype of Rele	ase OIL	& PRODUCE	D WATE		. ~ 2 ~ ~	Volume of		bls	Volume R	ecovered	0 BBLS
			·		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·	bbls Produced V	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		······································	
ource of Re	elease 2 in	nch steel wat	ter line be	etween heater's		Date and H 7/28/2017	lour of Occurrence	e	Date and I	Hour of Di	scovery
√as Immedi	ate Notice C		Yes [No Not R	equir e d	If YES, To AMBER C WEAVER	ROVES-SLO; M	IIKE BI	RATCHER-	NMOCD;	CRYSTAL
	WADE D					Date and F	lour 7/28/2017	*	8:13	ppm	(email)
Vas a Water	course Read		Yes ⊠	l No		If YES, Vo	olume Impacting (the Wate	ercourse.	•	
C - 11/		pacted, Descr				<u> </u>					
escribe Car	ise of Proble	em and Reme	dial Actio	n Taken.*		Obtained the second second					
pill was cau	ısed by a fai	lure in the 2 i	nch steel v	water line betewy	vn heater'	's. The line l	nas been repaired	and retu	umed to serv	vice.	
pill was cau Describe Are	area of the	lure in the 2 in the	nch steel v	water line betewy ken.* k did not leave	location	(measuren		t to cha			ing). Remediation
Describe Are The affected will be com hereby cert egulations a public health hould their or the enviro	area of the appleted in a lify that the ill operators or the environment. In a	and Cleanup A spill is 85x15 ccordance w information gare required to ronment. The	Action Takes FT, Leavith a remitted acceptance acceptan	k did not leave hediation plan a is true and com and/or file certain oe of a C-141 rep y investigate and	location pproved blete to the release ne on by the remedian	(measurent by the NM) me best of my otifications are NMOCD me contaminate	nents are subjectored and the SI knowledge and und perform correctors arked as "Final R	t to cha LO. understactive active act	ange with C and that purs tions for rela does not reli round water	GPS tracki mant to NA eases which eve the open	MOCD rules and h may endanger erator of liability vater, human health
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Operator/Responsible Party,

The OCD has received the form C-141 you provided on 8/2/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 3/29 4/333 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 <u>division-approved corrective action</u> 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 $\frac{2}{2}$ office in $\frac{ARTESIA}{ARTESIA}$ on or before $\frac{9/2/2017}{2}$. 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

Bratcher, Mike, EMNRD

From: Wade_Dittrich@oxy.com

Sent: Wednesday, August 2, 2017 2:21 PM

To: agroves@slo.state.nm.us

Cc: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Jennifer_Smith@oxy.com;

cbrunson@bbcinternational.com; kathy@bbcinternational.com;

jgilkey@bbcinternational.com

Subject:Lost Tank 35 4 CTBAttachments:Signed C141.pdf

All,

Here is the initial C141, please take a look at it and let me know if there are any questions. Thank you.

Wade Dittrich

Environmental Coordinator
Oxy Permian-New Mexico
575.390.2828 cell
Wade_Dittrich@Oxy.com

Weaver, Crystal, EMNRD

From: Wade_Dittrich@oxy.com

Sent: Friday, July 28, 2017 8:13 PM

To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD

Subject: FW: Lost Tank 35 St. 4 CTB

Wade Dittrich

Environmental Coordinator

Oxy Permian-New Mexico 575.390.2828 cell

Wade_Dittrich@Oxy.com

From: Dittrich, John W (Ervin Well Site Consultants)

Sent: Friday, July 28, 2017 5:06 PM **To:** agroves@slo.state.nm.us

Cc: cbrunson@bbcinternational.com; kathy@bbcinternational.com; Smith, Jennifer A < Jennifer_Smith@oxy.com>;

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

Subject: Lost Tank 35 St. 4 CTB

All,

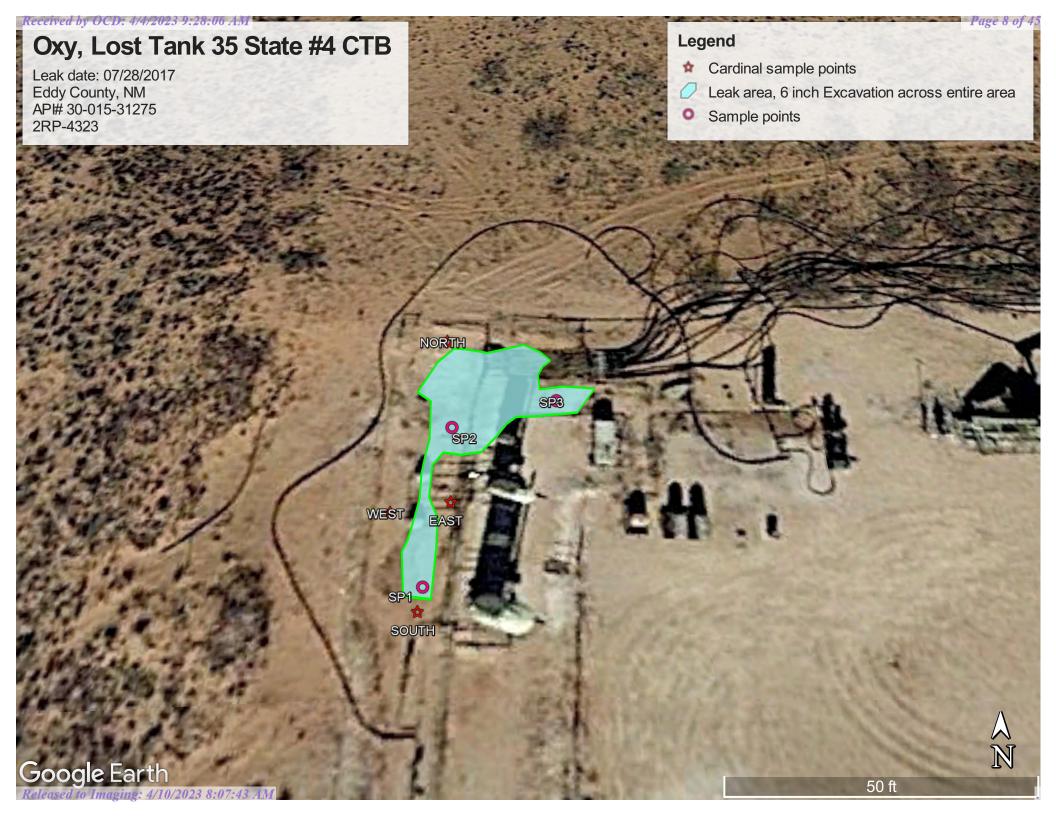
This is to inform you that Oxy Permian had a **Reportable** release in Eddy County at the <u>Lost Tank 35 St.4 CTB</u> on 7/28/2017.

- Release Location: Legal -35-21S-31E, API: 30-015-31275
- Release Volume: .25 bbls of Oil and 25 bbls of Produced Water.
- Recovered: 0 bbls recovered
- Cause of Release: 2 inch steel water line between heater's.
- Approximate Area impacted by release: 85x15 FT, Leak did not leave location (measurements are subject to change with GPS tracking)

GPS Coordinates and Driving Direction: 32.429380, **-103.775490** EAST OF CARLSBAD NM AT INTERSECTION OF HWY 62180 AND WIPP ROAD GO 7 MILES AND TURN LEFT GOING .75 MILE AND BATTERY IS ON THE LEFT Please let me know if you have any questions.

Wade Dittrich

Environmental Coordinator
Oxy Permian-New Mexico
575.390.2828 cell
Wade_Dittrich@Oxy.com



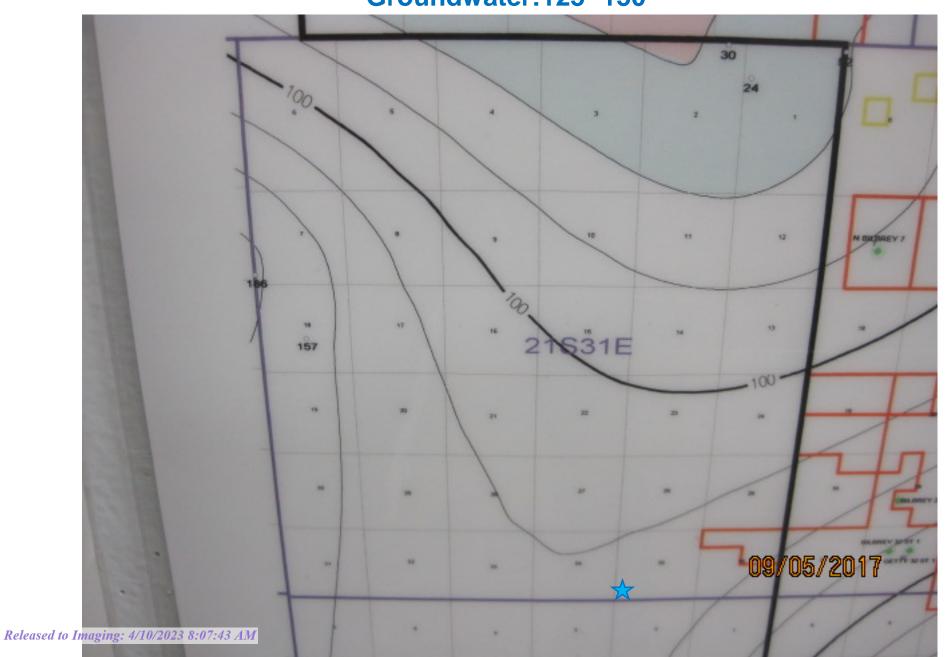
Oxy, Lost Tank 35 State #4 CTB

Sample points, hand auger SP1, N 32.42860 W-103.75581 SP2, N 32.42870 W-103.75580 SP3, N 32.42872 W-103.75573 NORTH, N 32.42876 W-103.75581 SOUTH, N 32.42859 W-103.75581 EAST, N 32.42865 W-103.75580 WEST, N 32.42864 W-103.75584

Oxy, Lost Tank 35 State #4

U/L M, Section 35, T21S, 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,

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

C=the file is closed)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Sub-Q Q QWater basin County 64 16 4 Sec Tws Rng DistanceDepthWellDepthWater Column **POD Number** Code C 02949 EXPL 616140 3589231* 1034

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 617050 **Radius:** 1700 **Northing (Y):** 3588738

*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.

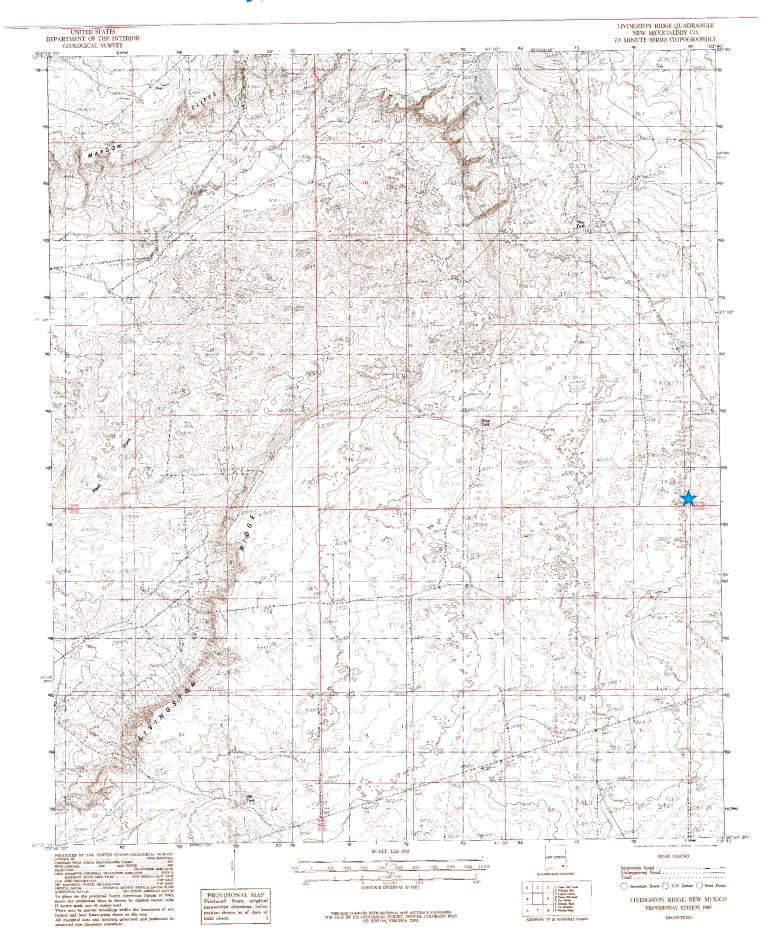
9/5/17 9:53 AM

WATER COLUMN/ AVERAGE DEPTH TO

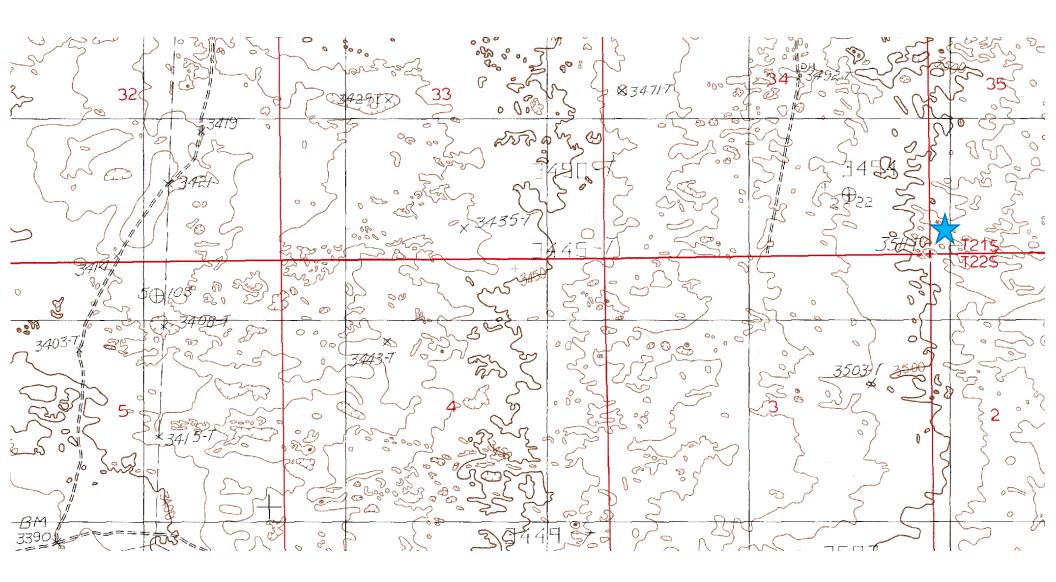
WATER

Public Land Survey System (PLSS)											
Q64: Q16: SW Q4: SW Sec: 35 Tws: 21S 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): 617050.0 mtrs Northing (Y): 3588738.0 mtrs											
~~ Please keep screen open to copy UTM values for Reports. ~~											

Oxy, Lost Tank 35 State #4 CTB



Oxy, Lost Tank 35 State #4 CTB



Laboratory Analytical Results Summary Lost Tank 35 State #4 CTB

		Sample	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 7'	SP1 @ 12'
Analyte	Method	Date	9/18/17	9/18/17	9/18/17	9/18/17	9/18/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		528	112	16	32	16
GRO	TPH 8015M		<200	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		14200	333	n/a	n/a	n/a
EXT DRO	TPH 8015M		5270	103	n/a	n/a	n/a

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 7'	SP2 @ 12'
Analyte	Method	Date	9/18/17	9/18/17	9/18/17	9/18/17	9/18/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		0.073	< 0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		8130	384	176	192	224
GRO	TPH 8015M		<200	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		10700	18.8	n/a	n/a	n/a
EXT DRO	TPH 8015M		3640	<10.0	n/a	n/a	n/a

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 7'	SP3 @ 12'
Analyte	Method	Date	9/18/17	9/18/17	9/18/17	9/18/17	9/18/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		0.077	< 0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		624	48	192	96	128
GRO	TPH 8015M		<200	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		7950	167	n/a	n/a	n/a
EXT DRO	TPH 8015M		2960	55.3	n/a	n/a	n/a

Cardinal points	Sample	North @ Surface	East @ Surface	West @ Surface	South @ Surface	
Analyte	Method	Date	9/18/17	9/18/17	9/18/17	9/18/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		16	16	32	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0



September 26, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 35 #4

Enclosed are the results of analyses for samples received by the laboratory on 09/20/17 15:10.

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

A ... - L ... - - - I D. .. MC

Project Location: OXY - EDDY COUNTY, NM

Sample ID: SP 1 @ SURFACE (H702562-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	14200	200	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	5270	200	09/24/2017	ND					
Surrogate: 1-Chlorooctane	40.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	789	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Frene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: OXY - EDDY COUNTY, NM

ma/ka

Sample ID: SP 1 @ 1 (H702562-02)

RTFY 8021R

BIEX 8021B	mg,	^и кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 72-148	,						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	333	10.0	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	103	10.0	09/24/2017	ND					
Surrogate: 1-Chlorooctane	78.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	94.2	% 34.7-15	7						

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY COUNTY, NM

Sample ID: SP 1 @ 2 (H702562-03)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 09/25/2017 ND 432 400 16.0 16.0 108 3.77

Sample ID: SP 1 @ 7 (H702562-04)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery Chloride 32.0 16.0 09/25/2017 432 400 3.77 ND 108

Sample ID: SP 1 @ 12 (H702562-05)

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 09/25/2017 ND 400 16.0 432 108 3.77

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Celeg D. Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Analyzed By: MC

Project Location: OXY - EDDY COUNTY, NM

Sample ID: SP 2 @ SURFACE (H702562-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Analyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	0.073	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 72-148	,						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	10700	200	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	3640	200	09/24/2017	ND					
Surrogate: 1-Chlorooctane	39.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	485	% 34.7-15	7						

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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: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: OXY - EDDY COUNTY, NM

ma/ka

Sample ID: SP 2 @ 1 (H702562-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 72-148	?						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	18.8	10.0	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					
Surrogate: 1-Chlorooctane	69.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	75.2	% 34.7-15	7						

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Celeg D. Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY COUNTY, NM

Sample ID: SP 2 @ 2 (H702562-08)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 09/25/2017 ND 432 400 176 16.0 108 3.77

Sample ID: SP 2 @ 7 (H702562-09)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery Chloride 192 16.0 09/25/2017 432 400 3.77 ND 108

Sample ID: SP 2 @ 12 (H702562-10)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 09/25/2017 ND 400 224 16.0 432 108 3.77

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: OXY - EDDY COUNTY, NM

Sample ID: SP 3 @ SURFACE (H702562-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	0.077	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 72-148	}						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	7950	200	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	2960	200	09/24/2017	ND					
Surrogate: 1-Chlorooctane	29.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	340	% 34.7-15	7						

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Celeg & Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY COUNTY, NM

Sample ID: SP 3 @ 1 (H702562-12)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 72-148	}						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	167	10.0	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	55.3	10.0	09/24/2017	ND					
Surrogate: 1-Chlorooctane	75.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	85.5	% 34.7-15	7						

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Celey D. Kune



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY COUNTY, NM

Sample ID: SP 3 @ 2 (H702562-13)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 192 09/25/2017 432 400 16.0 ND 108 3.77

Sample ID: SP 3 @ 7 (H702562-14)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery 96.0 16.0 09/25/2017 432 400 3.77 Chloride ND 108

Sample ID: SP 3 @ 12 (H702562-15)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 128 09/25/2017 ND 400 16.0 432 108 3.77

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Celeg D. Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: OXY - EDDY COUNTY, NM

Sample ID: NORTH @ SURFACE (H702562-16)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 72-148							
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					
Surrogate: 1-Chlorooctane	49.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	56.2	% 34.7-15	7						

50.2 /v 51.7 157

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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: 09/20/2017 Sampling Date: 09/18/2017

Reported: 09/26/2017 Sampling Type: Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY COUNTY, NM

Sample ID: EAST @ SURFACE (H702562-17)

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 72-148	?						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					
Surrogate: 1-Chlorooctane	69.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	69.2	% 34.7-15	7						

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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:
 09/20/2017
 Sampling Date:
 09/18/2017

 Reported:
 09/26/2017
 Sampling Type:
 Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Tamara Oldaker
Project Location: OXY - EDDY COUNTY, NM

Sample ID: WEST @ SURFACE (H702562-18)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	< 0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 72-148	}						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2017	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					
Surrogate: 1-Chlorooctane	59.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	64.4	% 34.7-15	7						

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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:
 09/20/2017
 Sampling Date:
 09/18/2017

 Reported:
 09/26/2017
 Sampling Type:
 Soil

Project Name: LOST TANK 35 #4 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY COUNTY, NM

Sample ID: SOUTH @ SURFACE (H702562-19)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					
Surrogate: 1-Chlorooctane	78.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	85.3	% 34.7-15	7						

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.	50 5 70	BILL TO			ANALYSIS REQUEST
	-	P.O. #:			
Address: P.O. Box 805		Company: OXU			
City: Hobbs State: NM Zip:	88241	Attn: Wade Within	7		
Phone #: 575-397-6388 Fax #: 575-39	575-397-0397	Address:			
Project #: Project Owner: OXV		City:			
Project Name: Lost Tank St #4		State: Zip:			
Project Location: Eddy County		Phone #:			
F		Fax #:			
	MATRIX	PRESERV. SAMPLING	NG		
Lab I.D. Sample I.D.	TAINERS NDWATER EWATER	ASE:		ex h Ext	
H7035u3	# CON GROU WAST SOIL OIL SLUDG	ACID/I ICE / C OTHE	TIME		
ms@1951	<	V 4.18.17	10:30	< <	
25010	<	<	10145 V	<	
3 50 100 2	<	<	11:02		
L 10 1 d5 H	<	<	11,110 ~		
589100 12	<	<	11:35 V		
6 SP26 Sur	<	<	11150 V	< <	
7582001	\ \	<	12:35 V	< <	
2 8628 3	V	4	Varso V		
L 2020 b	~	<	1:05 V		
E! @ E 05 01	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	< <	1129 1		
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affiliates or successors arising out of or related to the performance of services hereunder by Cardin	inder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise Phone Res	based upon any of the above stated rea	Phone Result:		Add'l Phone #:
488	The second		Fax Result: REMARKS:	□ Yes □ No	Ш
Less Signature	den	William.			
Relinquished By: On the second of the secon	Received By:				
delic boney for 300	Malux	wrbow			
Delivered By: (Circle Ohe) 1.8.C/ #75	Sample Condition Cool Intact	on CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other: /2.05 - C	L	HC			

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

Corrected +.25°C

1012

Page 16 of 17

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International Inc	JC	BILL TO			ANALYSIS REQUEST	
		P.O. #:				
Address: P.O. Box 805		Company:				
bbs	State: NM Zip: 88241	Attn: Wade Within	3			
5-397-6388	Fax #: 575-397-0397	Address:				
	Project Owner: Oty	City:				
Project Name: LUST TOMK 35	サン	State: Zip:				
		Phone #:				
ROUPLI	andez	1				
	_	PRESERV. SAMPLING	G			
	RS			Ext		
Lab I.D. Sample I.D.	G)RAB OR (CONTAINE ROUNDWAY VASTEWATI OIL ELUDGE	OTHER: ACID/BASE: CE/COOL OTHER:	TIME	BTex TPH		
11 SP 3 @ Sur	1	V 01.1817	1:38 A	< <		
	1 1 2	_	1 Lhil	< <		
5 08 93 EI	?	<	1:59			
L @ 2 05 Hi	5		\$11.6			
2102 18 51	9	_	2:18			
16 NO Sur	5.	_	2125	< <		
TT (T)	\$P - <		2:50	<		
18 W & Sur	57	<	2,40	< <		
19 5 Q. Sur		<	h; p	V V		
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive rehietor by the client for the	Sac land exclusive rehibedy for any claim arising whether based in contra	d 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 witing and received by Cardinal with 30 days after competion of the approximate analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and received unless of unle	whatsoever shall be deemed waived unless made in writing and received by Cardinal writin 30 days after whatsoever shall be deemed waived unless made in writing and received by Cardinal work writing and the state of the state o	nd received by Cardinal within 30 days after s, loss of use, or loss of profits incurred by cl m is hased upon any of the above stated rea	completion of the applic lent, its subsidiaries, sons or otherwise.	2016		
Relinquished By: Date:	8	A.		☐ Yes ☐ No	Add'l Phone #: Add'l Fax #:	
the way	- Sul	en le	REMARKS:			
0	Date: Received By:					
There & many the The	Halus ()	5				
Delivered By: (Circle One) 1,8,0	1 #75	ition CHECKED BY: (Initials)				
Sampler - UPS - Bus - Other:	2.05°C 14°E	No HC				

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

Corrected +.25°C

Page 17 of 17

From: Bratcher, Mike, EMNRD

To: <u>Cliff Brunson</u>

Cc: Weaver, Crystal, EMNRD; Wade Dittrich; Jennifer Smith@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: RE: OXY Lost Tank 35 State #4 CTB (2RP-4323) - Delineation Workplan

Date: Monday, March 5, 2018 10:03:20 AM

RE: OXY USA * Lost Tank 35 St 4 CTB * **2RP-4323** * DOR: 76/28/17

Cliff,

Your proposal for remediation of the above referenced release is approved.

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: Wednesday, November 22, 2017 5:33 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Amber Groves

<agroves@slo.state.nm.us>

Cc: Weaver, Crystal, EMNRD < Crystal. Weaver@state.nm.us>; Wade Dittrich

<Wade_Dittrich@oxy.com>; Jennifer_Smith@oxy.com; Ken Swinney

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

<kathy@bbcinternational.com>

Subject: OXY Lost Tank 35 State #4 CTB (2RP-4323) - Delineation Workplan

Mike and Amber,

Please find the attached Delineation Workplan and remediation proposal for the OXY Lost Tank 35 State #4 CTB (2RP-4323). OXY is requesting that you review this plan and is looking forward to both the OCD's and SLO's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
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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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

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 203858

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294 Houston, TX 772104294	Action Number: 203858
Houston, 1X 772104294	203838 Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Create By		Condition Date
bhal	I None	4/10/2023