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DELINEATION WORKPLAN

OXY - LOST TANK 3 FEDERAL #25 SWD (Leak Dates: 03/1/17, 05/15/17)

RP # 2RP-4149, 2RP-4212

This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-4149 and 2RP-4212.

The following information includes:

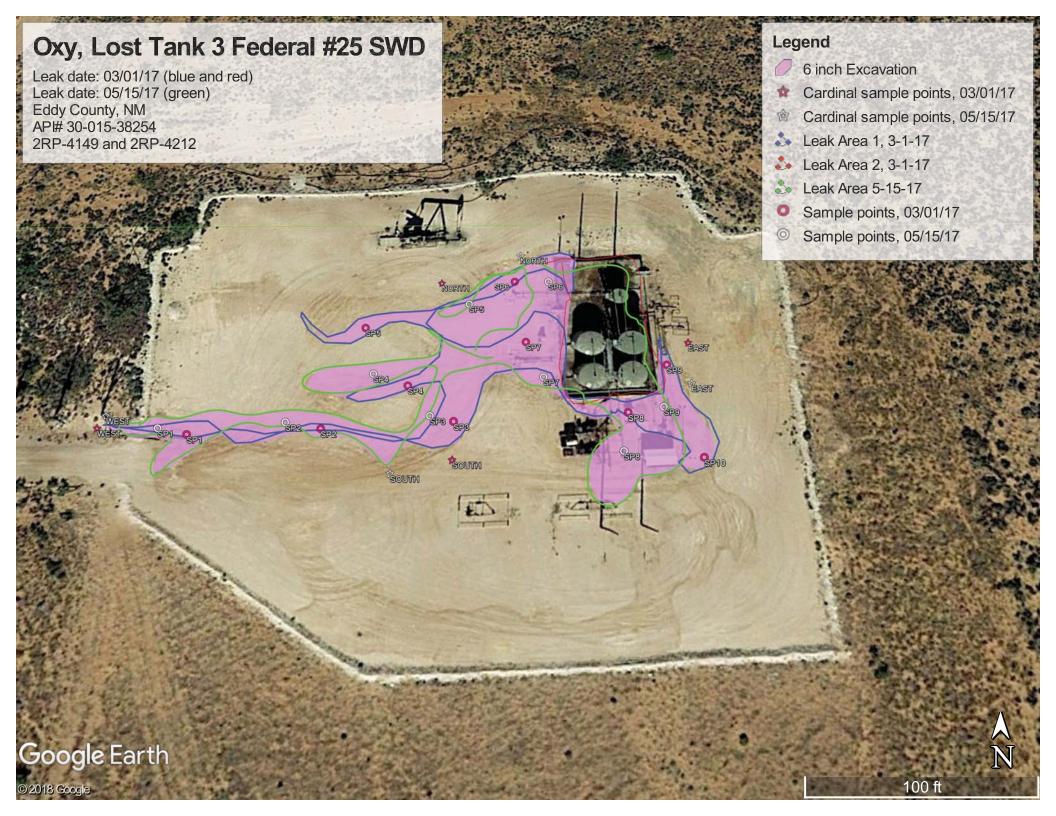
- 1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 2. GPS information for sample points and sample methodology
- 3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
- 4. Laboratory analysis results summary table and original laboratory analysis reports
- 5. A copy of the initial C-141
- 6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

OXY will excavate the spill areas as depicted on the following site diagram. The leak areas in pink shade will be excavated to a depth of 6 inches. As discussed, OXY is going to dismantle the existing battery and move it to a temporary location so delineation and remediation activities may occur at the current battery location. OXY will be keeping both the OCD and BLM informed of the progress and will present a plan for the remediation of the current battery area. When that is completed, a new permanent facility will be constructed in the original location.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy, Lost Tank 3 Federal #25 SWD (3/1/17)

Sample points, hand auger

SP1, N 32.42380 W-103.75940

SP2, N 32.42381 W-103.75918

SP3, N 32.42382 W-103.75896

SP4, N 32.42388 W-103.75904

SP5, N 32.42398 W-103.75912

SP6, N 32.42406 W-103.75886

SP7, N 32.42395 W-103.75884

SP8, N 32.42383 W-103.75867

SP9, N 32.42391 W-103.75860

SP10, N 32.42376 W-103.75855

NORTH, N 32.42406 W-103.75899

SOUTH, N 32.42376 W-103.75896

EAST, N 32.42395 W-103.75856

WEST, N 32.42381 W-103.75955

Oxy, Lost Tank 3 Federal #25 SWD (5/15/17)

Sample points, hand auger

SP1, N 32.42381 W-103.75945

SP2, N 32.42382 W-103.75924

SP3, N 32.42383 W-103.75900

SP4, N 32.42390 W-103.75910

SP5, N 32.42402 W-103.75894

SP6, N 32.42406 W-103.75880

SP7, N 32.42389 W-103.75881

SP8, N 32.42377 W-103.75868

SP9, N 32.42384 W-103.75861

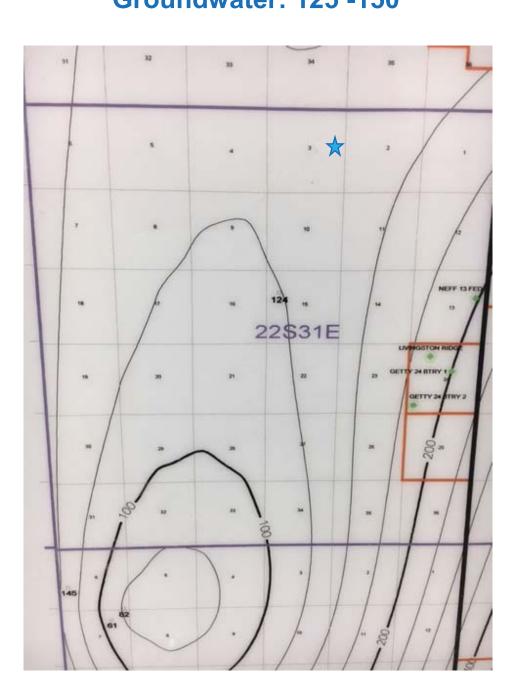
NORTH, N 32.42411 W-103.75885

SOUTH, N 32.42374 W-103.75906

EAST, N 32.42388 W-103.75856

WEST, N 32.42383 W-103.75954

Oxy, Lost Tank 3-25 SWD Facility U/L H, 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 (quarters are 1=NW 2=NE 3=SW 4=SE)

closed)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

				,	(4					8)	(()	
POD Number	Code	POD Sub- basin	County		Q 16			Tws	Rng		X	Y	DistanceDepth	WellDepthW	Water 'ater Column
C 02949 EXPL			ED	1	1	4	34	21S	31E	61614	40	3589231*	1399	970	
<u>C 02744</u>			ED	3	2	1	11	22S	31E	61737	74	3586631*	1483	4911	
												Averag	ge Depth to Water:		
													Minimum Depth	1:	
													Maximum Depth	:	

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 616657 **Northing (Y):** 3587930 **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.

3/23/17 2:52 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

	Public Land Survey System (PLSS) Q64: Q16: SE Q4: NE Sec: 03 Tws: 22S Rng: 31E								
	State Plane Coordinate System - NAD27 X: 0 ft Y: 0 ft Zone:								
	State Plane Coordinate System - NAD83 X: 0 ft Y: 0 ft Zone:								
	Degrees/Minutes/Seconds Longitude (X): Degrees: 0 ° Minutes: 0 ' Seconds: 0 " Latitude (Y): Degrees: 0 ° Minutes: 0 ' Seconds: 0 "								
	UTM - NAD27 Easting (X): 0 mtrs Northing (Y): 0 mtrs Zone:								
I.	SUBMIT								
	All Conversion Results are displayed as <u>NAD 1983 UTM Zone 13</u>								
	Easting (X): 616657.0 mtrs Northing (Y): 3587930.0 mtrs								
	~~ Please keep screen open to copy UTM values for Reports. ~~								

Laboratory Analytical Results Summary Lost Tank 3 Fed #25 SWD

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 6'
Analyte	Method	Date	3/31/17	3/31/17	3/31/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.300	< 0.300
Chloride	SM4500CI-B		59200	144	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 6'
Analyte	Method	Date	3/31/17	3/31/17
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		112	176

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 6'
Analyte	Method	Date	3/31/17	3/31/17	3/31/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		<0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		56000	176	96
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 6'
Analyte	Method	Date	3/31/17	3/31/17
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		96	96

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 6'
Analyte	Method	Date	3/31/17	3/31/17	3/31/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		50400	96	48

		Sample	SP6 @ 1'	SP6 @ 6'
Analyte	Method	Date	3/31/17	3/31/17
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		32	32

		Sample	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 6'
Analyte	Method	Date	3/31/17	3/31/17	3/31/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 802	IB	< 0.050	<0.050	< 0.050
Toluene	BTEX 802	IB	< 0.050	<0.050	<0.050
Ethylbenz	BTEX 802°	IB	< 0.050	< 0.050	< 0.050
Total Xyle	BTEX 802	IB	<0.150	<0.150	<0.150
Total BTE	BTEX 802	IB	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-	В	308000	48	48
GRO	TPH 8015N	Л	<10.0	<10.0	<10.0
DRO	TPH 8015N	Л	893	<10.0	<10.0

		Sample	SP8 @ 1'	SP8 @ 2'	SP8 @ 7'
Analyte	Method	Date	3/31/17	3/31/17	3/31/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-	-B	2800	64	48

		Sample	SP9 @ 1'	SP9 @ 6'
Analyte	Method	Date	3/31/17	3/31/17
			mg/Kg	mg/Kg
Chloride	SM4500CI-	-B	128	144

		Sample	SP10 @ SURFACE	SP10 @ 1'	SP10 @ 6'
Analyte	Method	Date	3/31/17	3/31/17	3/31/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-	·B	65600	64	64

		Sample	NORTH @ SURFACE
Analyte	Method	Date	3/31/17
			mg/Kg
Chloride	SM4500CI-	·B	32

		Sample	EAST @ SURFACE
Analyte	Method	Date	3/31/17
			mg/Kg
Chloride	SM4500CI-	48	

		Sample	WEST @ SURFACE
Analyte	Method	Date	3/31/17
			mg/Kg
Chloride	SM4500CI-	В	32

		Sample	SOUTH @ SURFACE
Analyte	Method	Date	3/31/17
			mg/Kg
Chloride	SM4500CI-	-B	48

Laboratory Analytical Results Summary Lost Tank 3-25 Facility

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 6'
Analyte	Method	Date	5/25/17	5/25/17	5/25/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	<0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		16200	16	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 6'
Analyte	Method	Date	5/25/17	5/25/17
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	64

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 6'
Analyte	Method	Date	5/25/17	5/25/17	5/25/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		25200	16	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 6'
Analyte	Method	Date	5/25/17	5/25/17
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		192	64

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 6'
Analyte	Method	Date	5/25/17	5/25/17	5/25/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		16400	160	48

		Sample	SP6 @ 1'	SP6 @ 6'
Analyte	Method	Date	5/25/17	5/25/17
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		176	64

		Sample	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 6'
Analyte	Method	Date	5/25/17	5/25/17	5/25/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	<0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.300	< 0.300
Chloride	SM4500CI-B		38400	48	64
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP8 @ 1'	SP8 @ 2'	SP8 @ 7'
Analyte	Method	Date	5/25/17	5/25/17	5/25/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		2440	368	64

		Sample	SP9 @ 1'	SP9 @ 6'
Analyte	Method	Date	5/25/17	5/25/17
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		64	48

		Sample	NORTH @ SURFACE
Analyte	Method	Date	5/25/17
			mg/Kg
Chloride	SM4500CI-B		32

		Sample	SOUTH @ SURFACE
Analyte	Method	Date	5/25/17
			mg/Kg
Chloride	SM4500CI-B		16

		Sample	EAST @ SURFACE
Analyte	Method	Date	5/25/17
			mg/Kg
Chloride	SM4500CI-B		16

		Sample	WEST @ SURFACE
Analyte	Method	Date	5/25/17
			mg/Kg
Chloride	SM4500CI-B		16



April 12, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 3 FED #25 SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/05/17 8:55.

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)

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ SURFACE (H700885-01)

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	04/07/2017	ND	1.83	91.6	2.00	0.0628	
Toluene*	<0.050	0.050	04/07/2017	ND	1.86	92.9	2.00	0.0221	
Ethylbenzene*	<0.050	0.050	04/07/2017	ND	1.89	94.7	2.00	0.255	
Total Xylenes*	<0.150	0.150	04/07/2017	ND	5.38	89.7	6.00	0.254	
Total BTEX	<0.300	0.300	04/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6 %	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	59200	16.0	04/06/2017	ND	416	104	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
DRO >C10-C28	<10.0	10.0	04/06/2017	ND	213	106	200	5.98	
Surrogate: 1-Chlorooctane	91.9 9	% 28.3-16-	4						
Surrogate: 1-Chlorooctadecane	93.2 9	34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ 1' (H700885-02)

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	04/07/2017	ND	1.83	91.6	2.00	0.0628	
Toluene*	< 0.050	0.050	04/07/2017	ND	1.86	92.9	2.00	0.0221	
Ethylbenzene*	< 0.050	0.050	04/07/2017	ND	1.89	94.7	2.00	0.255	
Total Xylenes*	<0.150	0.150	04/07/2017	ND	5.38	89.7	6.00	0.254	
Total BTEX	<0.300	0.300	04/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4 %	% 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	144	16.0	04/06/2017	ND	416	104	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
DRO >C10-C28	<10.0	10.0	04/06/2017	ND	213	106	200	5.98	
Surrogate: 1-Chlorooctane	105 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	105 %	6 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ 6' (H700885-03)

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	04/07/2017	ND	1.83	91.6	2.00	0.0628	
Toluene*	<0.050	0.050	04/07/2017	ND	1.86	92.9	2.00	0.0221	
Ethylbenzene*	<0.050	0.050	04/07/2017	ND	1.89	94.7	2.00	0.255	
Total Xylenes*	<0.150	0.150	04/07/2017	ND	5.38	89.7	6.00	0.254	
Total BTEX	<0.300	0.300	04/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5 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	192	16.0	04/06/2017	ND	416	104	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
DRO >C10-C28	<10.0	10.0	04/06/2017	ND	213	106	200	5.98	
Surrogate: 1-Chlorooctane	110 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	108 %	6 34.7-15	7						

Sample ID: SP 2 @ 1' (H700885-04)

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	04/06/2017	ND	416	104	400	0.00	

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

Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 6' (H700885-05)

Chloride, SM4500Cl-B mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/06/2017	ND	416	104	400	0.00	

Sample ID: SP 3 @ SURFACE (H700885-06)

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	04/07/2017	ND	1.83	91.6	2.00	0.0628	
Toluene*	< 0.050	0.050	04/07/2017	ND	1.86	92.9	2.00	0.0221	
Ethylbenzene*	< 0.050	0.050	04/07/2017	ND	1.89	94.7	2.00	0.255	
Total Xylenes*	<0.150	0.150	04/07/2017	ND	5.38	89.7	6.00	0.254	
Total BTEX	<0.300	0.300	04/07/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID 97.6 % 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	56000	16.0	04/06/2017	ND	416	104	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
	<10.0	10.0	04/06/2017	ND	213	106	200	5.98	

Surrogate: 1-Chlorooctane 98.8 % 28.3-164
Surrogate: 1-Chlorooctadecane 100 % 34.7-157

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: SP 3 @ 1' (H700885-07)

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	04/07/2017	ND	2.20	110	2.00	0.945	
Toluene*	<0.050	0.050	04/07/2017	ND	2.01	100	2.00	0.959	
Ethylbenzene*	< 0.050	0.050	04/07/2017	ND	2.01	100	2.00	1.01	
Total Xylenes*	< 0.150	0.150	04/07/2017	ND	5.73	95.5	6.00	1.10	
Total BTEX	<0.300	0.300	04/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9 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	176	16.0	04/06/2017	ND	416	104	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
DRO >C10-C28	<10.0	10.0	04/06/2017	ND	213	106	200	5.98	
Surrogate: 1-Chlorooctane	104 %	28.3-16	4						
Surrogate: 1-Chlorooctadecane	106 %	% 347-15	7						

106 % Surrogate: 1-Chlorooctadecane 34.7-157

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Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 3 @ 6' (H700885-08)

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	04/07/2017	ND	2.20	110	2.00	0.945	
Toluene*	< 0.050	0.050	04/07/2017	ND	2.01	100	2.00	0.959	
Ethylbenzene*	< 0.050	0.050	04/07/2017	ND	2.01	100	2.00	1.01	
Total Xylenes*	<0.150	0.150	04/07/2017	ND	5.73	95.5	6.00	1.10	
Total BTEX	<0.300	0.300	04/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 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	96.0	16.0	04/06/2017	ND	416	104	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
DRO >C10-C28	<10.0	10.0	04/06/2017	ND	213	106	200	5.98	
Surrogate: 1-Chlorooctane	98.4	28.3-16	4						
Surrogate: 1-Chlorooctadecane	103 %	6 34.7-15	7						

Sample ID: SP 4 @ 1' (H700885-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/06/2017	ND	416	104	400	0.00	

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Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 4 @ 6' (H700885-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/06/2017	ND	416	104	400	0.00	
Sample ID: SP 5 @ SUR	FACE (H70088	5-11)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	50400	16.0	04/06/2017	ND	416	104	400	0.00	
Sample ID: SP 5 @ 1' (H	700885-12)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/06/2017	ND	416	104	400	0.00	
Sample ID: SP 5 @ 6' (H	700885-13)								
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	04/06/2017	ND	416	104	400	0.00	
Sample ID: SP 6 @ 1' (H	700885-14)								
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 32.0 16.0 04/06/2017 ND 416 104 400 0.00

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Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 6 @ 6' (H700885-15)

Chloride, SM4500Cl-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	04/06/2017	ND	416	104	400	0.00	

Sample ID: SP 7 @ SURFACE (H700885-16)

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	04/07/2017	ND	2.20	110	2.00	0.945	
Toluene*	<0.050	0.050	04/07/2017	ND	2.01	100	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/07/2017	ND	2.01	100	2.00	1.01	
Total Xylenes*	<0.150	0.150	04/07/2017	ND	5.73	95.5	6.00	1.10	
Total BTEX	<0.300	0.300	04/07/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID 96.6 % 72-148

Chloride, SM4500Cl-B	mg/	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	308000	16.0	04/06/2017	ND	416	104	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
	893	10.0	04/06/2017	ND	213	106	200	5.98	

Surrogate: 1-Chlorooctane 86.6 % 28.3-164

91.9%

34.7-157

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Celeg D. Kreene

Surrogate: 1-Chlorooctadecane



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Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: SP 7 @ 1' (H700885-17)

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	04/07/2017	ND	2.20	110	2.00	0.945	
Toluene*	<0.050	0.050	04/07/2017	ND	2.01	100	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/07/2017	ND	2.01	100	2.00	1.01	
Total Xylenes*	<0.150	0.150	04/07/2017	ND	5.73	95.5	6.00	1.10	
Total BTEX	<0.300	0.300	04/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2 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	48.0	16.0	04/06/2017	ND	432	108	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
DRO >C10-C28	<10.0	10.0	04/06/2017	ND	213	106	200	5.98	
Surrogate: 1-Chlorooctane	113 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	1129	6 347-15	7						

112 % Surrogate: 1-Chlorooctadecane 34.7-157

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Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **NOT GIVEN**

Sample ID: SP 7 @ 6' (H700885-18)

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	04/07/2017	ND	2.20	110	2.00	0.945	
Toluene*	<0.050	0.050	04/07/2017	ND	2.01	100	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/07/2017	ND	2.01	100	2.00	1.01	
Total Xylenes*	<0.150	0.150	04/07/2017	ND	5.73	95.5	6.00	1.10	
Total BTEX	<0.300	0.300	04/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6 %	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	04/06/2017	ND	432	108	400	0.00	
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	04/06/2017	ND	199	99.7	200	4.67	
DRO >C10-C28	<10.0	10.0	04/06/2017	ND	213	106	200	5.98	
Surrogate: 1-Chlorooctane	94.6 %	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	98.9 %	6 34.7-15	7						

Sample ID: SP 8 @ 1' (H700885-19)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	04/06/2017	ND	432	108	400	0.00	

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Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 8 @ 2' (H700885-20)

hloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	64.0	16.0	04/06/2017	ND	432	108	400	0.00	
Sample ID: SP 8 @ 7' (H7	700885-21)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	48.0	16.0	04/06/2017	ND	432	108	400	0.00	
	,	//	Amahana	d D A.C					
	,	/kg	Analyze	d By: AC					
	,	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifi
Chloride, SM4500Cl-B Analyte	mg		<u> </u>		BS 432	% Recovery	True Value QC 400	RPD 0.00	Qualific
Chloride, SM4500Cl-B Analyte Chloride	Result	Reporting Limit	Analyzed	Method Blank		,	•		Qualifi
Analyte Chloride Analyte Chloride Sample ID: SP 9 @ 6' (H7	Result	Reporting Limit	Analyzed 04/06/2017	Method Blank		,	•		Qualifi
Analyte Sample ID: SP 9 @ 1' (H7 Chloride, SM4500CI-B Analyte Chloride Sample ID: SP 9 @ 6' (H7 Chloride, SM4500CI-B Analyte	Result 128 700885-23)	Reporting Limit	Analyzed 04/06/2017	Method Blank ND		,	•		Qualifi

Chloride, SM4500Cl-B	` mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	65600	16.0	04/06/2017	ND	432	108	400	0.00	

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Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 10 @ 1' (H700885-25)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/06/2017	ND	432	108	400	0.00	

Sample ID: SP 10 @ 6' (H700885-26)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/06/2017	ND	432	108	400	0.00	

Sample ID: NORTH @ SURFACE (H700885-27)

Chloride, SM4500Cl-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	04/06/2017	ND	432	108	400	0.00	

Sample ID: EAST @ SURFACE (H700885-28)

Chloride, SM4500Cl-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	04/06/2017	ND	432	108	400	0.00	

Sample ID: WEST @ SURFACE (H700885-29)

	- (,							
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	04/06/2017	ND	432	108	400	0.00	

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Fax To: (575) 397-0397

Received: 04/05/2017 Sampling Date: 03/31/2017

Reported: 04/12/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SOUTH @ SURFACE (H700885-30)

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	04/06/2017	ND	432	108	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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CHAIN-OI -COO. GE.	•
	SKEQUEST

(505)	(505) 393-2326 FAX (505) 393-2476	6	BII 1 TO		AN	ANALYSIS KEWDES
ompany Name: BB(BBC International, Inc.		*			
roject Manager: Cliff Brunson	f Brunson		DXU			
P O Box 805	805		Company.	100/5		
dress: 1.0.	State: NM	zip: 88241	Attn: (0) SW SWM	JUM I WILL	_	
City: 110003	Fax #:	575-397-0397	Address:			,,-
none #: Or o co.		er: Oxy	City:			
Project #:	Project #:		State: Zip:			
roject Name: LOO.	EDDY COLINTY NM		Phone #:			
Project Location:	000000000000000000000000000000000000000		Fax #:	-		
Sampler Name: JE	JEFF ORNELS	MATRIX	PRESERV. SAMPLING	ING	_	
THE PART OF THE PA				_	_	
Lab I.D.	Sample I.D.	NTAINERS UNDWATER TEWATER	D/BASE:	Cl	BTEX	
Lab I.D.	Sample I.D.	CONTAINERS GROUNDWATER WASTEWATER SOIL DIL	OTHER : ACID/BASE:		BTEX	
0	Sample I.D.	GRAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	ω	00	· TH	
-01	Sample I.D. SP1 @ SURFACE	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: C CICE/COOL OTHER:		· · · · · · · · · · · · · · · · · · ·	
10-01	Sample I.D. SP1 @ SURFACE SP1 @ 1'	# CONTAINERS GROUNDWATER WASTEWATER C SOIL OIL	OTHER: ACID/BASE: C C ICE / COOL OTHER: OUTHER:		· · · BTEX	
2010-01	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP1 @ 6'	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: C C CICE / COOL OTHER:	TIME 8:30 AM 8:45 AM 9:30 AM	C TH	
1010-0	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP1 @ 6' SP2 @ 1'	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: C C C ICE / COOL OTHER:	TIME 8:30 AM 8:45 AM 9:59 AM 10:15 AM	· · · TH	
H 0010-01	Sample I.D. 1 @ SURFACE 1 @ 1' 1 @ 6' 2 @ 1' 2 @ 6'	# CONTAINERS GROUNDWATER WASTEWATER C C C SOIL OIL	OTHER: ACID/BASE: C C C ICE / COOL OTHER:	TIME 8:30 AM 8:45 AM 9:30 AM 9:59 AM 10:15 AM	< < TH	
12 12 10 10 - 01	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP2 @ 1' SP2 @ 6' SP2 @ 6' SP3 @ SURFACE	# CONTAINERS GROUNDWATER WASTEWATER C C C C SOIL OIL	OTHER: ACID/BASE: CCCCOOL OTHER:	TIME 8:30 AM 8:45 AM 9:30 AM 10:15 AM 10:15 AM 11:11 AM	< < < < TH+	
2012 HT 10/10 - 01	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP2 @ 1' SP2 @ 6' SP2 @ 6' SP3 @ SURFACE SP3 @ SURFACE	# CONTAINERS GROUNDWATER WASTEWATER C C C C SOIL OIL	OTHER: ACID/BASE: CCCCOOL OTHER:	TIME 8:30 AM 8:45 AM 9:30 AM 10:15 AM 10:45 AM 11:11 AM	< < < < < TH+	
arent mu a	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP2 @ 1' SP2 @ 6' SP3 @ SURFACE SP3 @ SURFACE SP3 @ 5' SP3 @ 6'	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: CCCCOOL OTHER:	TIME 8:30 AM 8:45 AM 9:30 AM 10:15 AM 11:11 AM 11:11 AM 11:13 AM	< < < < THE	

Cool Intact
Pes Pyes
No No

CHECKED BY (Initials)

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

Received By:

Received By:

Phone Result: Fax Result: REMARKS:

☐ Yes ☐ No Add'l Phone #

ARDINAL LABORATORIES

	101 East Marland, Hobbs, NM 88240 (505) 393-2476	6		-=						
Company Name	Company Name: BBC International, Inc.			1	BILL TO		1	1	ANALYSIS REQUEST	1
Project Manage	Project Manager: Cliff Brunson			P.O. #:						
Address: P.O. Box 805	Box 805			Company:	0	0				
City: Hobbs	State: NM	Zip:	Zip: 88241	Attn: (0	CIMMINUTE MAYO	J. W.				
Phone #: 575-397-6388	Fax #:	-397	575-397-0397	Address:	C					
Project #:	Project Owner: Oxy	E OX		City:						
Project Name:	Project Name: LOST TANK 3 FED #25 SWD			State:	Zip:					
Project Locatio	Project Location: EDDY COUNTY, NM			Phone #:						
Sampler Name:	JEFF ORNELAS			Fax #:	1					
FOR LAB USE ONLY		P	MATRIX	PRESERV	SAMPLING	Ğ	_			
Lab I.D.	Sample I.D.	S)RAB OR (C)OMP	CONTAINERS ROUNDWATER VASTEWATER OIL	DUDGE OTHER: CID/BASE: CE / COOL	DATE	TIME	TPH	BTEX		
11	SP5 @ SURFACE	-	<	_	3/31/17	12:00 PM	۸			
17	SP5 @ 1'	0	-		3/31/17	1:01 PM	<	-		
12	SP5 @ 6'	0		<	3/31/17	1:18 PM	<			
	SDS @ 1'	2	-	_	3/31/17	1:30 PM	<			

Sampler - UPS - Bus - Other:	Delivered By: (Circle One) Sample Condition CHECKE	Time: G Muara Malab	Relinquished By: Date: 7 Received By:	Time: 31/10	Relinquished By: Date: 1/7 Received By:	affiliable or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any or me as
	BY:		2	REMARKS:	Fax Result:	Phone Result: Yes No Add'l Phone #:

SP7 @ 6'

SP8 @ 2'

ved by Cardinal within 30 days after completion of the applicable

3/31/17 3/31/17

3/31/17

2:40 PM 2:33 PM SP7 @ 1'

SP7 @ SURFACE

00000

3/31/17

1:50 PM

3/31/17

1:58 PM

3/31/17 2:15 PM

2:22 PM

SP6 @ 6' SP6 @ 1"

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST $\beta^{(k)}$

Company Name: E	BBC International, Inc.	10.		BILL 10		1		
000	Cliff Brunson		P.O. #:	1.7				
w	Box 805		Company:		7			
City: Hobbs		State: NM Zip: 88241	Attn: (US	YOM WOR INS	7	_		
Phone #: 575-397-6388	_	Fax #: 575-397-0397	Address:	C				
Project #:		Project Owner: Oxy	City:					_
Project Name: LO	Project Name: LOST TANK 3 FED #25 SWD	SWD	State:	Zip:				
Project Location:	EDDY COUNTY, NM		Phone #:	+				
	JEFF ORNELAS		Fax	1				
		1P.	MATRIX	(V. SAINIT LING				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER	SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL		TIME			
2/ 8	SP8 @ 7'	-	<	-	+			
10	SP9 @ 1'	6 1	,	-				
	SP9 @ 6'	6 -	-	-				
	SP10 @ SURFACE	0	-		O. A.E. DM			
1	SP10 @ 1'	0	,	3/34/47 3:	3.25 PM			
	SP10 @ 6'	0	,		3-28 PM			
77 7	NORTH @ SURFACE	in C	,		3:33 PM			
	EAST @ SURFACE				3:39 PM			
	WEST @ SURFACE				3:45 PM 🗸			-
30	SOUTH @ SURFACE	E C I I	ng whether based in contract or fort, shall be lim	mited to the amount paid by	d by the client for the			
PLEASE NOTE: Liability and analyses. All claims including to an appear to the control of the con	PLEASE NOTE: Liability and Damages. Cardinal's laionity and censis several nailyses. All claims including those for negligence and any other cause whats nailyses. All craims including those for negligence and any other cause whats service.		ever shall be deemed waived unless made in writing and received by Cardinal within 30 days after compiletion or the a ever shall be deemed waived unless made in writing and received by Cardinal within 30 days after compiletion or the ages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitutions ages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitutions of the compiletion of the com	dinal within 30 days after on is of profes incurred by clien of the above stated reason	npletion of the appacable , its subsidiaries, s or otherwise.			
affiliates or successors arising	ing out of or related to the performance of s		whether such claim is passed upon any or not served.	P	Ħ		Add'l Phone #:	
Relinquished By:	165	Time: 30 Keceived	3.	20 70		□ Yes □ No	Add'l Fax #:	
Relinquished By:		Date 317 Received By:	wa All	COXED BY				
Delivered By: (Circle One)	(Circle One)	(_	(Initials)				
Sampler - UPS - Bus - Other:	Bus - Other:	-6,76	No No 7	2478				



June 01, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 3 FED #25 SWD

Enclosed are the results of analyses for samples received by the laboratory on 05/26/17 16:15.

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. Keene

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



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ SURFACE (H701412-01)

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	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	16200	16.0	05/31/2017	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	05/30/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/30/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	89.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.6	% 347-15	7						

Surrogate: 1-Chlorooctadecane 76.6 % 34.7-157

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ 1' (H701412-02)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	05/31/2017	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	05/30/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/30/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	82.2 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	66.89	% 347-15	7						

Surrogate: 1-Chlorooctadecane 66.8 % 34.7-157

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: SP 1 @ 6' (H701412-03)

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	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	< 0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	< 0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1 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	32.0	16.0	05/31/2017	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	05/30/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/30/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	91.0 9	28.3-164	!						
Surrogate: 1-Chlorooctadecane	78.1 9	% 34.7-157	7						

Sample ID: SP 2@ 1' (H701412-04)

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	05/31/2017	ND	416	104	400	3.77	

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 6' (H701412-05)

hloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/31/2017	ND	416	104	400	3.77	

Sample ID: SP 3@ SURFACE (H701412-06)

BTEX 8021B	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	< 0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 72-148

Surrogate: 4-Bromojiuorovenzene (F1D	97.0	70 /2-140							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	16.0	05/31/2017	ND	416	104	400	3.77	
TPH 8015M	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	05/30/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/30/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	93.1	% 28.3-16-	4						

Surrogate: 1-Chlorooctane 93.1 % 28.3-164 Surrogate: 1-Chlorooctadecane 76.3 % 34.7-157

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **NOT GIVEN**

Sample ID: SP 3 @ 1' (H701412-07)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 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	05/31/2017	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	05/31/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/31/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	81.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	70.69	% 347-15	7						

Surrogate: 1-Chlorooctadecane 70.6 % 34.7-157

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 3 @ 6' (H701412-08)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 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	05/31/2017	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	05/31/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/31/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	92.7 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.0	% 34 7-15	7						

Surrogate: 1-Chlorooctadecane 76.0 % 34.7-157

Sample ID: SP 4 @ 1' (H701412-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/31/2017	ND	416	104	400	3.77	

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 4 @ 6' (H701412-10)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/31/2017	ND	416	104	400	3.77	

Sample ID: SP 5 @ SURFACE (H701412-11)

Chloride, SM4500Cl-B	lloride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16400	16.0	05/31/2017	ND	432	108	400	0.00	QM-07

Sample ID: SP 5 @ 1' (H701412-12)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/31/2017	ND	432	108	400	0.00	

Sample ID: SP 5 @ 6' (H701412-13)

Chloride, SM4500CI-B	mg/kg Analyzed By: HM			d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/31/2017	ND	432	108	400	0.00	

Sample ID: SP 6 @ 1' (H701412-14)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/31/2017	ND	432	108	400	0.00	

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 6 @ 6' (H701412-15)

Chloride, SM4500CI-B	ride, SM4500Cl-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/31/2017	ND	432	108	400	0.00	

Sample ID: SP 7 @ SURFACE (H701412-16)

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	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 72-148

Surrogate. 4-Bromojtuorovenzene (F12)	97.4	/0 /2-140							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38400	16.0	05/31/2017	ND	432	108	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	05/31/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/31/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	89.8	% 28.3-16-	1						

Surrogate: 1-Chlorooctane 89.8 % 28.3-164

72.9 %

34.7-157

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Celeg D. Keene

Surrogate: 1-Chlorooctadecane



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 7 @ 1' (H701412-17)

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	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	<0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	<0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2 %	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/31/2017	ND	432	108	400	0.00	
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	05/31/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/31/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	101 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	77.7 9	% 34.7-15	7						

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 7 @ 6' (H701412-18)

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	05/31/2017	ND	1.89	94.5	2.00	0.0256	
Toluene*	< 0.050	0.050	05/31/2017	ND	1.83	91.5	2.00	0.445	
Ethylbenzene*	< 0.050	0.050	05/31/2017	ND	1.91	95.6	2.00	0.290	
Total Xylenes*	<0.150	0.150	05/31/2017	ND	5.23	87.2	6.00	0.317	
Total BTEX	<0.300	0.300	05/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 72-148	}						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/31/2017	ND	432	108	400	0.00	
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	05/31/2017	ND	193	96.4	200	4.77	
DRO >C10-C28	<10.0	10.0	05/31/2017	ND	187	93.7	200	5.60	
Surrogate: 1-Chlorooctane	98.0 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	78.4 9	% 34.7-15	7						

Sample ID: SP 8 @ 1' (H701412-19)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	05/31/2017	ND	432	108	400	0.00	

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 8 @ 2' (H701412-20)

Chloride, SM4500Cl-B mg/kg		Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/31/2017	ND	432	108	400	0.00	

Sample ID: SP 8 @ 7' (H701412-21)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/31/2017	ND	432	108	400	0.00	

Sample ID: SP 9 @ 1' (H701412-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/31/2017	ND	432	108	400	0.00	

Sample ID: SP 9 @ 6' (H701412-23)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/31/2017	ND	432	108	400	0.00	

Sample ID: NORTH (H701412-24)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/31/2017	ND	432	108	400	0.00	

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Celegy Keene



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/26/2017 Sampling Date: 05/25/2017

Reported: 06/01/2017 Sampling Type: Soil

Project Name: LOST TANK 3 FED #25 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SOUTH (H701412-25)

Chloride, SM4500CI-B mg/kg Analyzed By: HM

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 16.0 16.0 05/31/2017 ND 432 108 400 0.00

Sample ID: EAST (H701412-26)

Chloride, SM4500Cl-B Analyzed By: HM mg/kg Result Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Method Blank % Recovery Chloride 16.0 16.0 05/31/2017 432 400 0.00 ND 108

Sample ID: WEST (H701412-27)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 16.0 05/31/2017 ND 400 0.00 16.0 432 108

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Celeg D. Freene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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

(505) 393-2326 FAX (505) 393-2476	6			185
Company Name: BBC International, Inc.		BILL TO	ANALYSIS REQUEST	4
Project Manager: Cliff Brunson	P.O. #:	**		_
Address: P.O. Box 805	Company:	pany:		
city: Hobbs State: NM	Zip: 88241 Attn:			
5-397-6388 Fax #:	575-397-0397 Address:	ess:		_
Project #: Project Owner:	r: OXU city:			_
Project Name: LOST Tank 8-25	State:	: Zip:		
Project Location:	Phone #:	le #:	E	_
Sampler Name: MOVER HERPORDEE	Fax #:	k.		_
FOR LAB USE ONLY	MATRIX PR	PRESERV. SAMPLING	21	
Lah ID Sample ID	WATER ATER		-ITOR	
H761412	G)RAB CONTA GROUN WASTEV SOIL DIL SLUDGE OTHER ACID/BA	DATE TIME	BIC	
1 SO 16 SIMPRICE		7	1 7 9	_
100/12	6	5.25.17 31.2	101	
000	7	9 MB 11-22-5 11	700	
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7 61.	7	1 J. D. 17 OST		
000000000000000000000000000000000000000	0	1 2-25-17 1000	X / /	
2/4	1	7.25.77 1031		
y and Damages. Cardinal's hab luding those for negligence and lil Cardinal be liable for incidents	by and client's exclusive remedy for any claim anising whether based in contract or tort, shall be limited to the amount paid by the client for the any other cause whatsoever shall be deemed waved unless made in writing and received by Caudhail within 30 days after completion of the a silent consequence of the part of the consequence of the cause whatsoever shall be deemed waved unless made in writing and received by Caudhail within 30 days after completion of the a silent cause whatsoever shall be deemed waved unless that the cause of the cause of the cause which is subsidiaries.	all be limited to the amount paid by the client for by Cardinal within 30 days after completion of th e, or loss of profits incurred by client, its subsidiar	The the applicable responsible rises.	L
Relinguished By: Date:	Received By:	Phone Result:	Ilt: Yes No	
BYW MANANED Time:		REMARKS:	L res	
Relinquished By: Date:	Received By:	11/10		

Sample Condition
Cool Intact
PYes PYes
No No

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

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

Project Manager: Cliff Bruncon		BILL TO	ANALYSIS REQUEST
~	7. O. S.		
City: Hobbs State: NM	zin. 88241		
5-397-6388 Fax #:	_		
Project #: Project Owner:	OXV		
Project Name: OST Tank:	S. 25 State:	Zip:	
Project Location:	Phone #:		
Sampler Name: Deepo Heron	20		
FOR LARLISE ONLY	La C	1	
FOR LAST UBE URLET	PRESERV.	SAMPLING	
Lab I.D. Sample I.D.	R: BASE: COOL	PH BTET	
#701412	# CON	DATE TIME (C)	
DWINK 2 CACH	7	5-121-150-5	
1000	1	2 108	
0 6	1 1	1 0011 1/3/2	
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18 86		1	
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/ Date:	Received By:	t: 🗆 Yes	
FEBT LININGUZ Time:			Add'l Fax #:
Relinquished By:	Received By:		
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Delivered By: (Circle One)	The same of the same	2	

Cool Intact
Yes Yes

Sampler - UPS - Bus - Other:



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company Name: BBC International, Inc.	BILL TO	ANALYSIS REQUEST
	P.O. #:	
Address: P.O. Box 805	Company:	
City: Hobbs State: NM Zip: 88241	Attn:	
hone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner:	City:	
roject Name: LOST touk 3.25	State: Zip:	
Project Location:	Phone #:	
Sampler Name: BER Jernardez	Fax#:	
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LAPAC MUTE: Listory and Jamages. Cardona's laboral and client's exclusive remedy to any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the nailyses. All claims including those for negligence and any other cause whatsoever shall be deemed whited unless made in writing and received by Cardinal within 30 days after competion of the applicable revice. In one event shall Cardinal be lisble for incidental or consequental damages, including without limitation, business interruptions, lose of use, or loss of profits incurred by client, its substitution, fillates or successors arising out of or related to the performance of services hereinder by Cardinal recardedes of whether such claims is based troop any of the above stand resource or although	were remotely for any claim ainting whether based so contract or fort, shall be limited to the amount paid by the client for the storever shall be determed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable images, including without limitation, business interruptions, fosse of use, or loss of profits incrured by define, its substituties, is herearded by Cardinal restandence of whether such plaim is based range and the above stated reasonable described by Cardinal restandence of whether such plaim is based range and the above stated reasonable of the behavior and the stated range of the state of	
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Relinquished By: Signify Time: 15	The state of the s	
	Sample Condition CHECKED BY: Cool Intact (Mitials)	
Sampler - UPS - Bus - Other: 2.9°	Pres Pres TO. #X	

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

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

Release Notification and Corrective Action

Form C-141 Revised August 8, 2011

Facility Name							OPERA'	ГOR		Initia	al Report		Final Repor
Surface Owner BLM Mineral Owner API No. 30-015-38254													
Surface Owner BLM Mineral Owner API No. 30-015-38254 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County Eddy County, NM Latitude N.32,42385* Longitude W. 103,75895* NATURE OF RELEASE Type of Release Produced water Volume of Release 25 bbl water Type of Release Produced water Volume of Release 25 bbl water Source of Release Produced water Date and Hour of Occurrence Date and Hour of Observery Source of Release Produced water Date and Hour of Occurrence Date and Hour of Observery Was Immediate Notice Given? Yes No Not Required If YES, To Whom? Mike Bratcher, Shelly Tucker- BLM Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* A water tank spilled 25 bbl of produced water due to a power failure. A vacuum truck recovered 14 bbls of produced water. Power was restored. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 40° x 60° on location. Remediation will be completed in accordance with an approved remediation plan from NMOCD and the BLM. 1 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 to the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of fileblity should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, brunan health of the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of relieve the operator of rileven the operator of relieve the operator of rileven the oper									-8289				
LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County	Facility Nat	ne Lost	Tank 3 Fede	eral #25 S	SWD		Facility Typ	e Battery					
Unit Letter H	Surface Ow	ner BLN	М		Mineral O	wner				API No	. 30-015-3	8254	
Latitude N 32,42385° Longitude W 103,75895°					LOCA	TION	OF REI	LEASE					
Latitude N 32.42385° NATURE OF RELEASE	Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	est Line	County		
NATURE OF RELEASE Type of Release Produced water Volume of Release 25 bb water water	Н	3	22S	31E							Eddy Cou	nty, NN	1
Type of Release Produced water Volume of Release Produced water Volume Recovered 14 bbls produced water Date and Hour of Occurrence Date and Hour of Discovery Date and Hour of					Latitude N 32.4	12385°	Longitu	de <u>W 103.7589</u>	<u>5°</u>				
Date and Hour of Occurrence Date and Hour of Discovery Date and Hour					NAT	URE	OF RELI	EASE					
Date and Hour of Occurrence Date and Hour of Discovery	Type of Rele	ase Produ	ced water								Recovered	14 bbls	produced
Was Immediate Notice Given?	Source of Re	lease Powe	er failure caus	sed a tank	spill	=	Date and H	lour of Occurrenc	e		Hour of Dis	covery	
Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* A water tank spilled 25 bbl of produced water due to a power failure. A vacuum truck recovered 14 bbls of produced water. Power was restored. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 40' x 60' on location. Remediation will be completed in accordance with an approved remediation plan from NMOCD and the BLM. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations haye 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 total laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Conditions of Approval: Attached Date: 3 17 17 Phone: (575) 513-8289	Was Immedia	ate Notice (Yes 🗵	No □ Not Re	quired	If YES, To	Whom?	er- BLM				
If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* A water tank spilled 25 bbl of produced water due to a power failure. A vacuum truck recovered 14 bbls of produced water. Power was restored. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 40° x 60° on location. Remediation will be completed in accordance with an approved remediation plan from NMOCD and the BLM. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or total laws and/or regulations. OIL CONSERVATION DIVISION Signature: Printed Name: Casey Summers Approved by Environmental Specialist: Conditions of Approval: Attached Date: 3 - 17 - 19 Phone: (575) 513-8289	By Whom?	Kathy Pur	vis @ BBC Ir	nternation	al Inc.		Date and H	lour 03/03/201	7 @ 9:35	am			
Describe Cause of Problem and Remedial Action Taken.* A water tank spilled 25 bbl of produced water due to a power failure. A vacuum truck recovered 14 bbls of produced water. Power was restored. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 40' x 60' on location. Remediation will be completed in accordance with an approved remediation plan from NMOCD and the BLM. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Printed Name: Casey Summers Approved by Environmental Specialist: E-mail Address: Casey Summers Conditions of Approval: Attached Phone: (575) 513-8289	Was a Water	course Reac		Yes 🗵] No		If YES, Vo	olume Impacting t	he Water	rcourse.			
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OIL CONSERVATION DIVISION													
Signature: Printed Name: Casey Summers Approved by Environmental Specialist: Approval Date: Expiration Date: E-mail Address: Casey Summers@oxy.com Date: 3 - 17 - 17 Phone: (575) 513-8289					nance of a C-141 f	eport do	oes not renev	e the operator of i	esponsit	omity for c	оприансе у	iui any	omer
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Printed Name: Casey Summers Title: NM Environmental Advisor Approval Date: Expiration Date: E-mail Address: Casey Summers@oxy.com Date: 3-17-17 Phone: (575) 513-8289 Approval Date: Conditions of Approval:	Signature:	1/1					Annuariad L.	Environmental C	nagialist.				
E-mail Address: Casey Summers@oxy.com Date: 3 - 17 - 17 Phone: (575) 513-8289 Conditions of Approval: Attached	Printed Name	: Casey S	Summers			1	Approved by	Environmental S	pecialist:				
Date: 3-17-17 Phone: (575) 513-8289	Title: NM I	Environmen	tal Advisor	-			Approval Dat	e:	Е	expiration	Date:		
Date: 3-17-17 Phone: (575) 513-8289	E-mail Addre	ess: Casey	Summers@	oxy.com			Conditions of	Approval:			Attached		
Date. (575) 513-8287	Date: 2	-17-	17	Dhama	(575) 512 929			Metada			Attached	Ц	
Attach Additional Sheets If Necessary	Date.	tional Shee	ts If Necess		(5/5) 513-828	9		- 4					

<u>District 1</u> 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

						OPERAT	OR	\bowtie	Initial	Report
Name of Co		OXY USA I					ASEY L SUM			
Address F	O BOX 4	294; HOUS	ron, tx	77210	1	relephone N	lo. 575-513-8	3289		
Facility Nan	ne LOS	T TANK 3 F	EDERA	L #25 SWD	<u> </u>	Facility Typ	e BATTERY			
Surface Ow	ner FED	ERAL		Mineral O	wner	FEDERAL	,	AP	I No.	30-015-38254
				LOCA	TION	OF REI	LEASE			
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West L	ine	County
Н	3	22S	31E	1500	N	ORTH	541	EAST	-	EDDY
			Latitu	de_ N 32.42385	5_Lon	gitude \	/ -103.75895 <u>1</u>	NAD83		
		0.55.051105			URE	OF RELI		Laca		· · · · · · · · · · · · · · · · · · ·
Type of Relea	ise: OIL	& PRODUCE	ED WATE	R		Volume of 5 bbls OIL	& 70 bbls PW			ecovered overed
Source of Re	ease: Sk	im tank ran ov	er due to	automation issues	i	Date and H 05-15-2017	our of Occurrenc		and H 6-2011	lour of Discovery
Was Immedia	te Notice C		Yes	No Not Re	equired	If YES, To MIKE BR TUCKER-	ATCHER-NMOC	D; CRYSTAI	L WEA	AVER-NMOCD; SHELLY
By Whom?		SUMMERS					our 5-16-2017			
Was a Watercourse Reached? ☐ Yes ☒ No ☐ If YES, Volume Impacting the Watercourse.										
If a Watercou	rse was Im	nacted Descri	ihe Fully *	:						
Danilla Cau	Describe Cause of Problem and Remedial Action Taken.*									
Describe Cause of Problem and Remedial Action Taken.* Leak was caused by a skim tank running over due to automation issues. Automation issues have been resolved and recovered 60 bbls free fluids via vacuum truck.										
Describe Are	a Affected	and Cleanup A	Action Tak	en.*						
				60x45 ft (measur oved by the NM			change with future	re GPS track)	. Ren	nediation will be completed
regulations at public health should their or or the environ	l operators or the envi- perations h nment. In a	are required to ronmont. The nave failed to a	o report ar acceptance adequately OCD accep	nd/or file certain rece of a C-141 report investigate and re	elease no ort by the emediate	otifications as NMOCD m contaminati	nd perform correct arked as "Final Roon that pose a thre	tive actions for eport" does not eat to ground	or release ot relie water,	ant to NMOCD rules and ases which may endanger eve the operator of liability surface water, human health mpliance with any other
	. 1						OIL CON	SERVATI	ON I	<u>DIVISION</u>
Signature:	·h									
Printed Name	: CASE	Y L SUMMEI	RS		- 4	Approved by	Environmental S	pecialist:		
Title: ENV	IRONMEN	NTAL ADVIS	OR		- 5	Approval Da	le:	Ехріга	ation E	Pate:
E-mail Addre	· 1M -)	y summers@c	575-513	-8289		Conditions o	f Approval:			Attached
* Attach Addi	tional She	ets If Necess	ary							