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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:

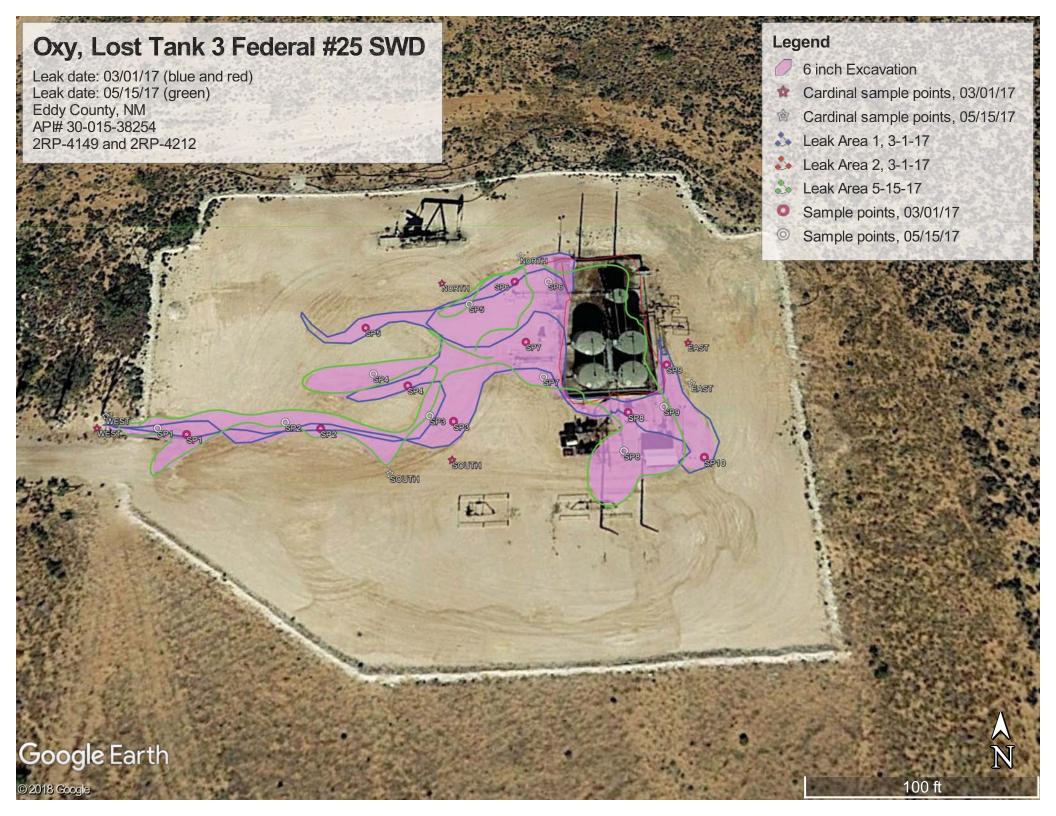
- 1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 2. GPS information for sample points and sample methodology
- 3. Depth to groundwater information (i.e., pdf of OSE search results and/or 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

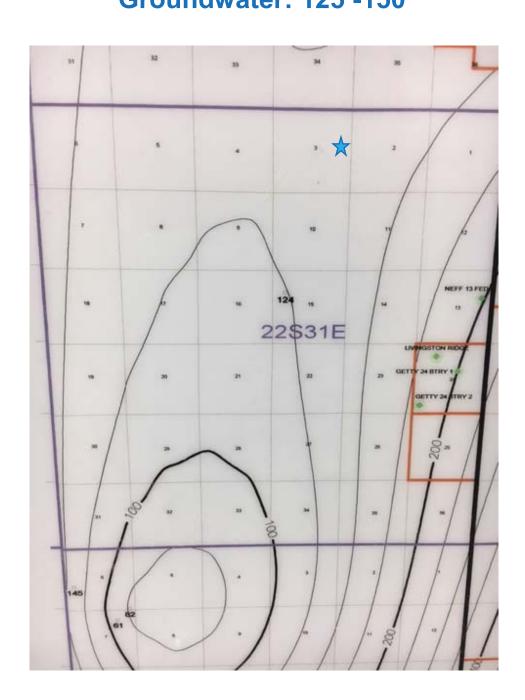
NORTH, N 32.42411 W-103.75885

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,

(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)

/				(-	1					8			()	
POD Number	Code	POD Sub- basin Cou		Q 64			Sec	Tws	Rno	X	Y	DistanceDepth	ıWellDenthV	Water Vater Column
	Couc		•	01					0			•	•	vater Column
C 02949 EXPL		I	ED	1	1	4	34	21S	31E	616140	3589231*	1399	970	
<u>C 02744</u>		I	ΞD	3	2	1	11	22S	31E	617374	3586631*	1483	4911	
											Avera	age Depth to Water:		
												Minimum Depth	1:	
												Maximum Depth	ı:	

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 616657 **Northing (Y):** 3587930 **Radius:** 1700

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

^{*}UTM location was derived from PLSS - see Help

Public Land Survey System (PLSS) O Q64: Q16: SE Q4: NE Sec: 03 Tws: 22S Rng: 31E								
State Plane Coordinate System - NAD27 O X: 0 ft Y: 0 ft Zone:								
State Plane Coordinate System - NAD83 O 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 O Easting (X): 0 mtrs Northing (Y): 0 mtrs Zone:								
All Conversion Results are displayed as NAD 1983 UTM Zone 13 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	1B	< 0.050	<0.050	<0.050
Toluene	BTEX 802	1B	< 0.050	< 0.050	< 0.050
Ethylbenz	BTEX 802	1B	< 0.050	< 0.050	< 0.050
Total Xyle	BTEX 802	1B	<0.150	<0.150	<0.150
Total BTE	BTEX 8027	1B	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-	-B	308000	48	48
GRO	TPH 8015N	√l	<10.0	<10.0	<10.0
DRO	TPH 8015N	V	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-	-B	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	97.69	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 %	% 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	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, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	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	hloride, SM4500Cl-B mg/kg		Analyze	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, SM4500Cl-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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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 %	% 3 <i>4 7-15</i>	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 9	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	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 @ SUR	FACE (H70088	5-11)							
Sample ID: SP 5 @ SUR Chloride, SM4500Cl-B	FACE (H70088 mg,	_	Analyze	d By: AC					
-	=	_	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Sample ID: SP 5 @ 1' (H700885-12)

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	

Sample ID: SP 5 @ 6' (H700885-13)

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' (H700885-14)

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	

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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, 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	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
Surrogate: 1-Chlorooctadecane 91.9 % 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 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	% 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						
G , I CH , I	112.0	2.47.15	7						

Surrogate: 1-Chlorooctadecane 112 % 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 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, 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	94.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	98.9	% 34.7-15	7						

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

Chloride, SM4500CI-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: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: NOT GIVEN

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 8 @ 7' (F	1700885-21)								
Sample ID: SP 8 @ 7' (F	1700885-21) mg	/kg	Analyze	d By: AC					
•	-	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Sample ID: SP 9 @ 1' (H700885-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/06/2017	ND	432	108	400	0.00	

Sample ID: SP 9 @ 6' (H700885-23)

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	432	108	400	0.00	

Sample ID: SP 10 @ SURFACE (H700885-24)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
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, 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	

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	Analyzed 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/	кд	Analyze	а ву: АС					
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

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

Cardinal Laboratories *=Accredited Analyte

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CHAIN-OI -COOLEGE	•
	KEQUEST

(505)	(505) 393-2326 FAX (505) 393-2476	6	8111 70			ANALYSIS KE	KECOEST
omnany Name: Bi	BBC International, Inc.			-			/
roject Manager: Cliff Brunson	liff Brunson		7.0. #.				
DO Roy	x 805		Company:	>100			
Address: F.O. Don out	State: NM	Zip: 88241	Attn: (a Suy Ju	SWM Y MUS	_		_
City: 110005	Fax #:	575-397-0397	Address:				
none #: Ur U CO.		er: Oxy	City:				
Project #:	Project #:		State: Zip:				
roject Name: LOC	EDDY COUNTY, NM		Phone #:				
Project Location:	STEE OF IEL AC		Fax #:	-	_		
Sampler Name:	OLIVER :	MATRIX	PRESERV. SAM	SAMI LING	_		-
						_	
Lab I.D.	Sample I.D.	DUNDWATER STEWATER	HER: ID/BASE: E/COOL THER:		TAH 15TEX		
Lab I.D.	Sample I.D.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 3/31/17	200	TAL BIEX		
- 0	Sample I.D.	GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: C ICE / COOL OTHER:	00 00	< TAH		
2-14	Sample I.D. SP1 @ SURFACE SP1 @ 1'	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: C C ICE / COOL OTHER: OTHER:		· · TPH		
NON	Sample I.D. P1 @ SURFACE P1 @ 1' P1 @ 6'	# CONTAINERS GROUNDWATER WASTEWATER C C SOIL OIL	OTHER: ACID/BASE: C C CICE / COOL OTHER:	TIME 8:30 AM 9:30 AM 9:59 AM	1 TAH		
tmu-n	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP1 @ 6' SP2 @ 1'	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: CCCCOOL OTHER:	TIME 8:30 AM 8:45 AM 9:59 AM	1 C TAH		
HEMN-N	Sample I.D. P1 @ SURFACE P1 @ 6' P2 @ 1' P2 @ 6'	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME 8:30 AM 8:30 AM 9:30 AM 9:59 AM 10:15 AM	· · · · BTEX		
without	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP2 @ 1' SP2 @ 6' SP2 @ 6' SP3 @ SURFACE	# CONTAINERS GROUNDWATER WASTEWATER C C C SOIL OIL	OTHER: ACID/BASE: CCCCOOL OTHER:	TIME 8:30 AM 8:45 AM 9:30 AM 9:59 AM 10:15 AM 11:11 AM	< < < < TPH		
rentoning	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP1 @ 6' SP2 @ 1' SP2 @ 6' SP3 @ SURFACE SP3 @ SURFACE SP3 @ SURFACE	# CONTAINERS GROUNDWATER WASTEWATER C C C C C SOIL OIL	OTHER: ACID/BASE: CCCCOL OTHER:	TIME 8:30 AM 8:45 AM 9:30 AM 10:15 AM 10:45 AM 11:11 AM	< < < < TPH		
arent mund	Sample I.D. SP1 @ SURFACE SP1 @ 1' SP1 @ 6' SP2 @ 1' SP2 @ 6' SP3 @ SURFACE SP3 @ SURFACE SP3 @ 6'	# CONTAINERS GROUNDWATER WASTEWATER C C C C SOIL OIL	OTHER: ACID/BASE: CCCCOOL OTHER:	TIME 8:30 AM 8:45 AM 9:59 AM 10:15 AM 11:11 AM 11:18 AM	CC CC TAL		

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																		1	1				1		1	4	1	1			1	1		
Company Name	Company Name: BBC International, Inc.											6	ı	BILL TO				1	١,	Įź	46	17	⊣ ⊽	I۶	42	ľč	ANALYSIS KEWUES	1=	4		4	1				_
Project Manage	Project Manager: Cliff Brunson								7	P.O. #:	175	1									_															
Address: P.O. Box 805	Box 805								C	3	Company:	¥:		PAC	7																					
City: Hobbs	State: NM	Zip: 88241	000	824	=				A	Attn:	_	man	X	CIMANIAM P	CMM																					_
Phone #: 575-397-6388	Fax #:	575-397-0397	03	97					A	d	Address:			C																						_
Project #:	Project Owner: Oxy	C Ox	~	-					C	City:																										_
Project Name:	Project Name: LOST TANK 3 FED #25 SWD								St	State:			1	Zip:																						_
Project Locatio	Project Location: EDDY COUNTY, NM								P	100	Phone #:	177			1																					_
Sampler Name:	JEFF ORNELAS								Ŧ	Fax #:	777	ı	1																							_
FOR LAB USE ONLY		ο,				MATRIX	R	7		7	PRESERV	SET	3	SAMPLING	NG																					_
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP	CONTAINERS	ROUNDWATER	VASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:		CE / COOL	OTHER:	DATE	TIME	Cl	TPH	BTEX															1		I	
11	SP5 @ SURFACE	-		_	_	<						1		3/31/17	12:00 PM	<				Т		Т												+		
17	SP5 @ 1'	0	-			<						1		3/31/17	1:01 PM	<						Т		Т										+		
12	SP5 @ 6'	0	_			1						5		3/31/17	1:18 PM	<				-		Т		Т										+		
	SDS @ 1'	3	-			1					_	7		3/31/17	1:30 PM	<					1	Г		Т		Т				T		T		+		

Sampler - UPS - Bus - Other:	Delivered By: (Circle One) Sample Condition CHECKER Cool Intact (Initial	Time: 5 hunara Malab	Relinquished By: Date: 77 Received By:	John Mary Mills Times 3/1/10	Relinquished By: Date: 17 Received By:	affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless or whether such claim is based upon any or the ac
3	BY		\$	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 $\beta^{(k)}$

	(505) 393-2326 FAX (505) 393-2476	393-2476			A	ANALYSIS REQUEST
Company Name:	BBC International, Inc.		BILL 10		- - - :	
Project Manager:			P.O. #:			
Address: P.O.	w		Company:			
City: Hobbs		State: NM Zip: 88241	Attn: (USU) YUN	< YOM WOO	_	
Phone #: 575-3	575-397-6388 Fax #:	#: 575-397-0397	Address:		_	
Project #:		Project Owner: Oxy	City:		_	_
Project Name: L	Project Name: LOST TANK 3 FED #25 SWD	SWD	State: Zip:			
Project Location:	EDDY COUNTY, NM		Phone #:	+		
Sampler Name:	JEFF ORNELAS		Fax #:	DI NO		
FOR LAB USE ONLY		MP. MATRIX	PRESERV	SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:			
2/	SP8 @ 7'	-	<	2:55 PM		
72	SP9 @ 1'	6-	3/31/1/	0.00 FW		
22	SP9 @ 6'	6-		3:11 PM		
74	SP10 @ SURFACE	- 0	V 3/31/11			
X	SP10@1'	-	2/3/1/17	7 3:25 PM		
26	SP10 @ 6'	0	3/34/17			
77	NORTH @ SURFACE	0	3/31/17			
28	EAST @ SURFACE	0	3/31/17			
29	WEST @ SURFACE		3/31/17			
89	SOUTH @ SURFACE	C 1	ng whether based in contract or tort, shall be limited to the amount	unt paid by the client for the		
PLEASE NOTE: Liability analyses. All claims inclusions in no event shall	PLEASE NOTE: Liability and Damages. Cardinal's laionity and censis several nailyses. All claims including those for negligence and any other cause whats service. In no event shall Cardinal be liable for incidental or consequental dain.	ages, including without limitation, business int	writing and received by Cardinal within 30 da eruptions, loss of use, or loss of profits incum	ys after completion of the appecaso ed by client, its subsidiaries, sed reasons or otherwise.		
affiliates or successors an	sing out of or related to the performance of serv		SUCT CHIEF I I DESPET UPON BOY OF THE SECOND			Add'l Phone #:
Relinquished By:	les .	Time: 3/3/1/7 Received by			□ Yes □ No	Add1 Fax #:
Relinquished By		Date: 5-77 Received By:	a Malla			
Delivered B	Delivered By: (Circle One)	Sample		1		
Sampler - UP:	Sampler - UPS - Bus - Other:	-6,70 Dres	TVes TVes TO #78			



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, SM4500CI-B	mg/	/kg	Analyze	ed 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	% 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: 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	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	98.5	% 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	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	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	66.8	% 34.7-15	7						

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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 @ 6' (H701412-03)

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	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	% 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	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	78.1 9	% 34.7-15	7						

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

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	

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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)

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 3@ SURFACE (H701412-06)

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	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-Bromojiuorobenzene (P1D	97.0	% /2-148							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	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	93.1	% 28.3-16-	4						

Surrogate: 1-Chlorooctane 93.1 % 28.3-164
Surrogate: 1-Chlorooctadecane 76.3 % 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 3 @ 1' (H701412-07)

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	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 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	70.69	% 34 7-15	7						

Surrogate: 1-Chlorooctadecane 70.6 % 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 @ 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, 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	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	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.0	% 34.7-15	7						

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

Chloride, SM4500Cl-B	mg	/kg	Analyzed 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

16400

16.0

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

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/31/2017	ND	416	104	400	3.77	
Sample ID: SP 5 @ SURFA	ACE (H701412	-11)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

05/31/2017

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

Chloride

Chloride, SM4500Cl-B	Analyze	d 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	

ND

432

108

400

0.00

QM-07

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

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: SP 6 @ 1' (H701412-14)

Chloride, SM4500Cl-B	ride, 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	e, 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	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) 97.4 % 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 Surrogate: 1-Chlorooctadecane 72.9 % 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: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **NOT GIVEN**

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

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	97.2 9	% 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 %	28.3-16	4						
Surrogate: 1-Chlorooctadecane	77 7 9	% 34 7-15	7						

Surrogate: 1-Chlorooctadecane 77.7 % 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
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 9	% 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	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, SM4500CI-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: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 8 @ 2' (H7	'01412-20)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	, ,		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' (H7	' 01412-21)								
Chloride, SM4500CI-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' (H7	' 01412-22)								
Chloride, SM4500CI-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' (H7	7 01412-23)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Chloride, SM4500CI-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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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, SM4500Cl-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. #:	77		_
Address: P.O. Box 805	Company:	any:		
city: Hobbs State: NM	Zip: 88241 Attn:			
5-397-6388 Fax #:	575-397-0397 Address:	985:		_
Project #: Project Owner:	r: O/U city:			_
Project Name: LOST Tank 3-25	State:	Zip:		
Project Location:	Phone #:	e#:	Ē	_
Sampler Name: MOUNT HERMONE	Fax #:			_
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 DTHER ACID/BA	DATE TIME	BIC	
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100 15	2	1001/00		
1 Sp3 Suppice	113	J-25.17 G 10	111	
7 67	7	1 J. B. 17 982		
000	0	1 2-25-17 1000	XVI	
Dry	1	V.C. 11 103		
y and Damages. Cardinal's liab luding those for negligence and ill Cardinal be liable for incidenta	by and client's exclusive remedy for any claim anising whether based in contract or tort, shall be limited to the amount pand by the client for the any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the a size of the consequence of the anison of the anison of the consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	all be limited to the amount paid by the client for the yy Cardinal within 30 days after completion of the or loss of profits incurred by client, its subsidiaria	the population of the control of the	L
Relinguished By: Date:	Received By:	Phone Result:	Ilt: Yes No	
MANANANAL Time:		REMARKS:	L res	
Relinquished By:	Received By:	111.10		

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

Company Name: BBC International In-			
Project Manager: Cliff Brunson	P.O.#:	10	ANALYSIS REQUEST
Address: P.O. Box 805	Company		
City: Hobbs State: NM	Zip: 88241		
Phone #: 575-397-6388 Fax #: 5:	5-397-0397		
Project #: Project Owner:	OXV		
Project Name: 1067 Tank		Zip:	
Project Location:	*		
Sampler Name: 100E0 HERN	ENANGE Fax#:		
FOR LAB USE ONLY	MATRIX	SAMPLING	
Lab I.D. Sample I.D.	R: BASE: COOL	PH BTET	
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20 48 84.	6		
**LEASE MOTE: Liability and Damages. Cardina's liability find client's exclusive remedy for any claim anxing whether based in contract or lort, shall be limited to the amount paid by the client for the minipses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable envice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitutions.	aive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client by the abscever shall be deemed waived unless made in writing and received by Caudhia within 30 days after competion of the a amages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	amount paid by the client for the 30 days after completion of the applicable incurred by client, its subsidiaries.	
Date:	Received By:	t: Yes No	Add'l Phone #:
ASET LINING Time:		□ No	Add'l Fax #:
Relinquished By: Date:	Received By:	5	
Delivered Rv. (Circle One) 4.15	Thurson Likely		

Cool Intact
Yes Yes

Sampler - UPS - Bus - Other:



(000) 000 0000 1000 000 000 000		(
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 tout 3.25	State: Zip:	
Project Location:	Phone #:	
Sampler Name: BED Jenardez	Fax#:	
	MATRIX PRESERV. SAMPLING	
Lab I.D. Sample I.D. S)RAB OR (C)OMP CONTAINERS ROUNDWATER VASTEWATER	OIL IL LUDGE THER: CID/BASE: EE/COOL THER: TPH BIE/ CL-	
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LASE NOTE: Liability and Damages. Cardinals liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the nailyses. All claims including those for neighgence and any other cause whatsoever shall be deemed variety unless made in writing and received by Cardinal within 30 days after completion of the applicable revice. In one event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitutions, loss of use, or loss of profits incurred by client, its substitutions, loss of use, or loss of profits incurred by client, its substitutions, loss of use, or loss of profits around a substitution of the latence of services thereinder by Cardinal recardedes of whiteher such claim is based upon any of the above stated reasons or otherwise.	wher energy for any claim arising whether based in contract or ton, shall be limited to the amount paid by the client for the flowers shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable images, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subgidiaries, as thereunder by Cardinal recardless of whether such claim is based inton any of the above stated research or characters.	
Received By:	Phone Result: ☐ Yes Fax Result: ☐ Yes REMARKS:	□ No Add'I Phone #: □ No Add'I Fax #:
Received By: Time: / / Received By:	Make	
	Sample Condition CHECKED BY: Cool Intact (Initials)	
Sampler - UPS - Bus - Other:	Pres Pres TO. #78	

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

(PERA	ΓOR		✓ Initial	al Report		Final Report	
			-8289					
Fa	cility Typ	e Battery						
ner	er API No. 30-015-38254							
ION	ON OF RELEASE							
orth/Sc	outh Line	Feet from the	East/V	Vest Line	County			
			11		Eddy Cou	nty, NN	1	
885°	Longitu	de <u>W 103.7589</u> :	<u>5°</u>					
RE O	F RELI	EASE						
					Recovered	14 bbls	produced	
	Date and H	our of Occurrenc	e		Hour of Dis	covery		
	If YES, To	Whom?	er- BLM	ſ				
	Date and H	our 03/03/2017	7 @ 9:3	5 am				
	If YES, Vo	lume Impacting t	he Wate	ercourse.				
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.								
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.								
to the	hest of my	knowledge and ii	nderstar	nd that nurs	uant to NM	OCD m	les and	
ase noti	fications ar	nd perform correc	tive acti	ons for rele	eases which	may en	danger	
ort doc.	s not renev	e the operator of i	Сарона	office for C	лириансе ч	itii aiiy	Other	
		OIL CONS	SERV	ATION	DIVISIO	N		
- A-	proved by	Environmental C	necialis	E.				
A	proved by	Environmental S	Pecialisi	**				
Ap	proval Dat	e:	J	Expiration	Date:			
Co	nditions of	Approval:			Attached			
					Auached	ш		
- 1					1			
i a a a a a a a a a a a a a a a a a a a	A vac	Contact C Telephone N Facility Typ Telephon	Contact Casey Summers Telephone No. (575) 513 Facility Type Battery Ter TON OF RELEASE Orth/South Line Feet from the Second S	Contact Casey Summers Telephone No. (575) 513-8289 Facility Type Battery Telephone No. (575) 513-8289 Facility Type Battery Telephone No. (575) 513-8289 Facility Type Battery Telephone No. (575) 513-8289 Facility Type Battery Telephone No. (575) 513-8289 Facility Type Battery Feet from the East/V Telephone No. (575) 513-8289 Facility Type Battery Facility Type Battery Feet from the East/V Telephone No. (575) 513-8289 Facility Type Battery Telephone No. (575) 513-8289 Facility Type Battery Feet from the East/V Telephone No. (575) 513-8289 Facility Type Battery Facility Type Battery Facility Type Battery Feet from the East/V Telephone No. (575) 513-8289 Facility Type Battery Facility Type Battery Facility Type Battery Feet from the East/V Facility Type Battery Facility Type Battery Facility Type Battery Feet from the East/V Facility Type Battery Facility Ty	Contact Casey Summers Telephone No. (575) 513-8289 Facility Type Battery Telephone No. (575) 513-8289 Facility Type Battery Telephone No. (575) 513-8289 Facility Type Battery Telephone No. (575) 513-8289 Telephone No. (575) 513-828 Telephone No. (575) 513-82 Telephone No. (57	Contact Casey Summers Telephone No. (575) 513-8289 Facility Type Battery Ter API No. 30-015-3: TON OF RELEASE Orth/South Line Feet from the East/West Line County Eddy County S5° Longitude W 103.75895° RE OF RELEASE Volume of Release 25 bbl produced water Date and Hour of Occurrence O3/01/2017 Date and Hour O3/03/2017 @ 9:35 am If YES, To Whom? Mike Bratcher, Shelly Tucker- BLM Date and Hour 03/03/2017 @ 9:35 am If YES, Volume Impacting the Watercourse. A vacuum truck recovered 14 bbls of produced water. Power was sen on the best of my knowledge and understand that pursuant to NMC as the notifications and perform corrective actions for releases which be sen on the content of the best of my knowledge and understand that pursuant to NMC as the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report" does not relieve the oper doing to the NMOCD marked as "Final Report"	Contact Casey Summers Telephone No. (575) 513-8289 Facility Type Battery Ter API No. 30-015-38254 ION OF RELEASE Orth/South Line Feet from the East/West Line County Eddy County, No. 85° Longitude W 103.75895° RE OF RELEASE Volume of Release 25 bbl produced water Date and Hour of Occurrence 03/01/2017 If YES, To Whom? Mike Bratcher, Shelly Tucker-BLM Date and Hour 03/03/2017 @ 9:35 am If YES, Volume Impacting the Watercourse. A vacuum truck recovered 14 bbls of produced water. Power was restored in will be completed in accordance with an approved remediation plan from the best of my knowledge and understand that pursuant to NMOCD ruses enotifications and perform corrective actions for releases which may enough the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any of the	

<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 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

Form C-141 Revised April 3, 2017

				Di.	ilita I C	, INIVI 073	03					
			Rele	ease Notific	ation	and Co	rrective A	ction				
						OPERA	ΓOR		🛚 Initia	l Report		Final Report
Name of Co		OXY USA I			(Contact C	ASEY L SUM	MERS				
Address	PO BOX 4	294; HOUS	TON, TX	77210		relephone 1		3289				
Facility Na	me LOS	T TANK 3 F	EDERA	L #25 SWD		Facility Typ	e BATTERY	•				
Surface Ow	ner FED	ERAL		Mineral C)wner	FEDERAL API No. 30-015-38254						
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line		Coun	ty
Н	3	22S	31E	1500	N	ORTH	541	E.	AST		EDD	Y
							7 -103.75895_ 1					
			Latitu	300		OF REL		INDOD				
Type of Rele	ase: OIL	& PRODUCE	ED WATE		CIC	Volume of		T	Volume R	ecovered		
							& 70 bbls PW		60 bbls red			
Source of Ro	elease: Sk	im tank ran ov	ver due to	automation issue:	5	Date and H 05-15-201	lour of Occu <mark>rre</mark> nc 7	е	Date and I 05-16-201	lour of Dis	covery	
Was Immedi	ate Notice C					If YES, To						
		\boxtimes	Yes _	No Not R	equired	MIKE BR. TUCKER-	ATCHER-NMOC RLM	D; CRY	STAL WE	AVER-NM	OCD;	SHELLY
By Whom?	CASEY I	SUMMERS					lour 5-16-2017	@ 9:02	am			
Was a Water	Was a Watercourse Reached? ☐ Yes ☒ No											
If a Watercourse was Impacted, Describe Fully.*												
Describe Cause of Problem and Remedial Action Taken.*												
Describe Car	use of Proble	em and Reme	dial Actio	n Taken.*								
Leak was ca	used by a sk	im tank runni	ng over du	ie to automation i	ssues. A	automation is	sues have been re	solved a	nd recover	ed 60 bbls i	ree flu	ids via
vacuum truc												
Dogoviho Ar	as A Costad	and Cleanup A	Action Tol	ran *								
Describe Air	ca Affected	and Cicanup 2	Action Tar	cen.								
The approxi	mate area im	pacted by the	release is	60x45 ft (measur	ements a	are subject to	change with futu	re GPS t	rack). Rer	nediation	will be	e completed
in accordan	ice with a r	emediation p	olan appr	oved by the NM	IOCD a	nd BLM.						
1 haraby cort	ify that the i	information a	iven above	s is true and comm	lete to th	a best of my	knowledge and u	nderetar	d that nure	uant to NM	OCD	niles and
							nd perform correc					
							arked as "Final R					
should their	operati <mark>o</mark> ns h	ave failed to	adequately	investigate and i	emediate	e contaminati	on that pose a thr	eat to gr	ound water	, surface w	ater, hu	ıman health
				stance of a C-141	report de	oes not reliev	e the operator of	responsi	bility for co	mpliance v	vith an	y other
federal, state	, or local lav	ws and/or regu	ulations.				011 0011	OFFI	4 TO 1	DILITOI	22.7	
	11						OIL CON	<u>SERV</u>	AHON	DIVISIO	N	
Signature:	. hul											
Date of N	21.55	VI CIII I I	nc			Approved by	Environmental S	pecialist				
Printed Nam	e: CASE	Y L SUMME	KS									
Title: EN	VIRONMEN	NTAL ADVIS	OR		- 5	Approval Da	le:	1	Expiration I	Date:		
E-mail Addı	ess: cases	summers@c	oxy.com			Conditions o	f Approval:			Attached		
										I serventing	السا	6.0

Date: 575-513-8289

* Attach Additional Sheets If Necessary