## **Closure Report**

	Site Description						
Site Name:	Government T Com #001 South Oil Tank						
Company: Oxy Permian							
Legal Description:	U/L C, Section 14, T20S, R 28E						
County:	Eddy County, NM						
GPS Coordinates:	N 32.57840° W-104.15014°						

## **Release Data**

Date of Release:	12/18/2016
Type of Release:	Produced water
Source of Release:	Gasket failure on manway cover
Volume of Release:	100 bbls
Volume Recovered:	60 bbls

Remediation Specifications								
Remediation Parameters:		re leak area to a depth 1'-2' as practicable due to presented with multiple buried lines. Backfill the il.						
Remediation Activities:	01/03/2018 to 0	1/18/2018						
Plan Sent to OCD:	09/11/2017	Email from Cliff Brunson to Mike Bratcher						
OCD Approval of Plan:	09/20/2017	Email from Mike Bratcher to Cliff Brunson						
Plan Sent to BLM:	09/11/2017	Email from Cliff Brunson to Shelly Tucker						
BLM Approval of Plan:	10/03/2017	Email from Shelly Tucker to Cliff Brunson						

	Supporting Documentation						
Initial C-141	Signed 12/29/2016						
Final C-141	Upon completion						
Site Diagram	January 2018						
Groundwater Plot	140'						
TOPO Maps	January 2018						
Lab Summary	01/20/2017						
Lab Analysis	01/20/2017						
Correspondence	Request and approval of remediation plan via email						

## **Request for Closure**

Based on the completion of the remediation plan, Oxy Permian requests closure approval from NMOCD.

Wade Dittrich, Environmental Specialist, Oxy Permian

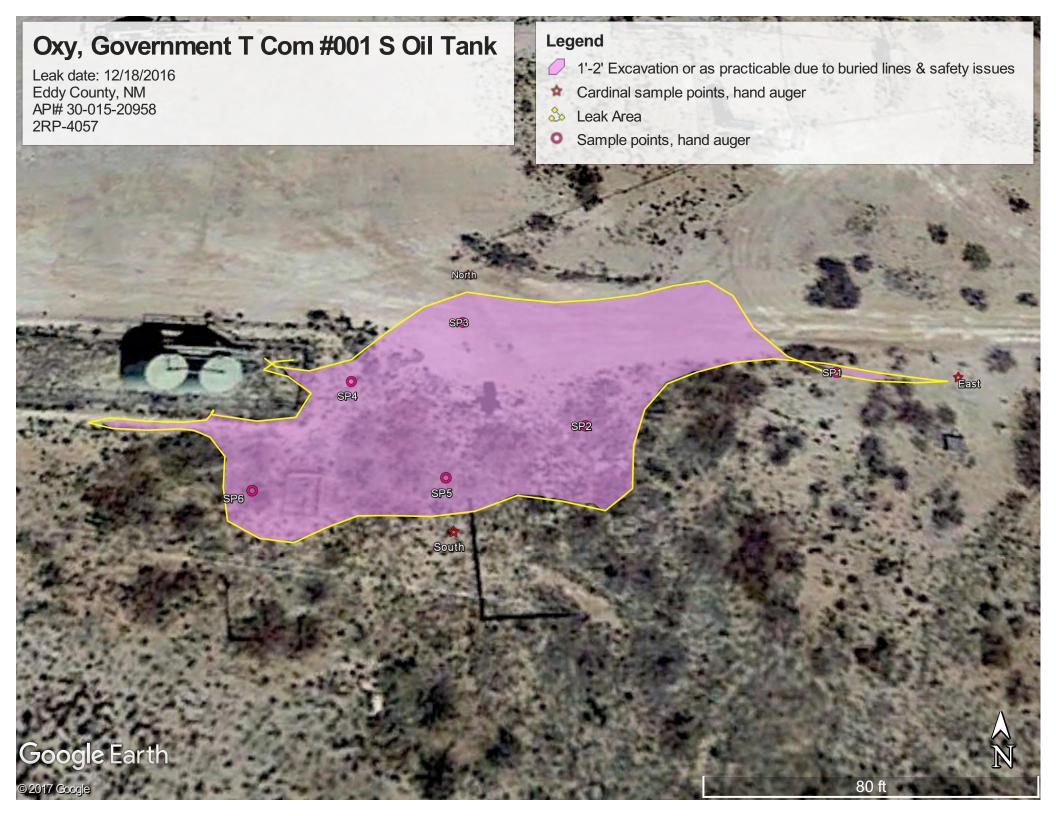
01/19/2018

State of New Mexico Energy Minerals and Natural Resources

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.

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 8750	i	Sa	inta F	e, NM 875	505					
			Rel	ease Notific	catio	n and Co	orrective A	ction				
						<b>OPERA</b>	ΓOR	$\boxtimes$	Initia	al Report		Final Repor
Name of Co	Name of Company Oxy Permian Ltd.					Contact C	Casey Summers					
the second se	Address PO Box 4294; Houston, TX 77210					Telephone I		-8289				
Facility Nar	ne Gove	ernment T C	om #001	South Oil Tank		Facility Typ	e Battery					
Surface Ow	ner BLN	1		Mineral C	)wner			A	PI No	. 30-015-	20958	
L						N OF RE	FASE					
Unit Letter	Section	Township	Range	Feet from the	-	South Line	Feet from the	East/West	Line	County		
				:								
С	14	20S	28E					av.		Eddy Cou	nty, NM	M
				Latitude <u>N 32.5</u>	7840°	Longitu	de <u>W 104.1501</u>	<u>4°</u>				
				NAT	URE	OF REL						
Type of Rele Source of Re		uced water					Release 100 bbls			Recovered		
Source of Re	lease rai	lure of gasket	on manwa	ay cover		12/18/2010		e Da	te and	Hour of Dis	covery	
Was Immedia	ate Notice C					If YES, To						
				No 🗌 Not Re	equired		cher, Crystal Wear			lly Tucker-	BLM	
By Whom? Was a Water		BC Internatio	nal, Inc.			1	lour 12/20/2010					
was a water	course Read		Yes 🗵	No			olume Impacting t	ne watercol	irse.			
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.*								
Failure of a g service.	asket on th	e manway cov	er caused	a release of 100 b	bls of	produced wate	er. A vacuum truc	k recovered	60 bbl	s and the ga	sket wa	as returned to
Describe Are	a Affected	and Cleanup /	Action Tal	ken.*								
The affected NMOCD and		oximately 25	0' x 75' oi	n location and acro	oss the	road. Remedi	ation will be com	pleted in acc	ordand	ce with a pla	in appro	oved by both
regulations a public health should their o or the environ	Il operators or the enviro operations h nment. In a	are required t ronment. The lave failed to a	o report an acceptane idequately CD accept	nd/or file certain r ce of a C-141 repo investigate and r	elease ort by ti emedia	notifications a ne NMOCD m ite contaminati	knowledge and u nd perform correc arked as "Final Re ion that pose a thre e the operator of t	tive actions eport" does eat to ground	for rele not reli d water	eases which ieve the ope r. surface wa	may er rator of ater, hu	ndanger Fliability man health
Signature:	^	/				A	OIL CON		<u>'ION</u>	DIVISIO	<u>)N</u>	
Printed Name	e: Casey	Summers				приотео Бу	Environmental S	rectatist:				
Title: NM	Environme	ntal Advisor				Approval Da	te:	Expi	ration	Date:		
E-mail Addre	<u>ess: Case</u> 2-27-	v_Summers@ = {C		(575) 513-82	280	Conditions o	f Approval:			Attached		

\* Attach Additional Sheets If Necessary



Oxy, Government T Com #001 South Oil Tank

Sample points, hand auger SP1, N 32.57838 W-103.14964 SP2, N 32.57833 W-103.14987 SP3, N 32.57843 W-103.14998 SP4, N 32.57837 W-103.15008 SP5, N 32.57829 W-103.14999 SP6, N 32.57828 W-103.15016

NORTH, N 32.57847 W-103.14998 SOUTH, N 32.57825 W-103.14999 EAST, N 32.57838 W-103.14952 WEST, N 32.57838 W-103.15043

2	Ν	/ate						00	v				nginea h to	er Wate	er	
(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right	(R=POD replaced, O=orphan C=the file	ned,	I	(qua	arters	are	1=NW	2=NE 3	3=SW 4=S	E)						
file.)	closed)	POD Sub-		QQ	Q			st to larg	gest) (	(NAD83 U	TM in m	eters)		(In feet)		ater
POD Number CP 00525	Code	basin CP	County ED	<b>64 16</b> 3 2		<b>Sec</b> 14	Tws 20S	Rng 28E	X 579656		Y	Dist	anceDepth 142	WellDepthV 171	Vater Col 140	<b>umn</b> 31
<u>CI ((()/2.)</u>		ci	LD	52	1	14	205	201	577050	50040-		- 1	th to Water:		140 feet 140 feet	-
													imum Depth		140 feet	
Record Count: 1																
UTMNAD83 Radi Easting (X): 57		<u>n meters</u>	-	ning (Y	<b>):</b> 3	36049	948			Radius:	1700					
*UTM location was deriv	ed from PLS	S - see H	elp													
The data is furnished by th the accuracy, completeness			1 2							ng that the C	DSE/ISC r	make n	o warranties, o	expressed or im	plied, conc	erning
9/11/17 12:49 PM												WA	TER COLU	MN/ AVERA	GE DEPTI	H TO

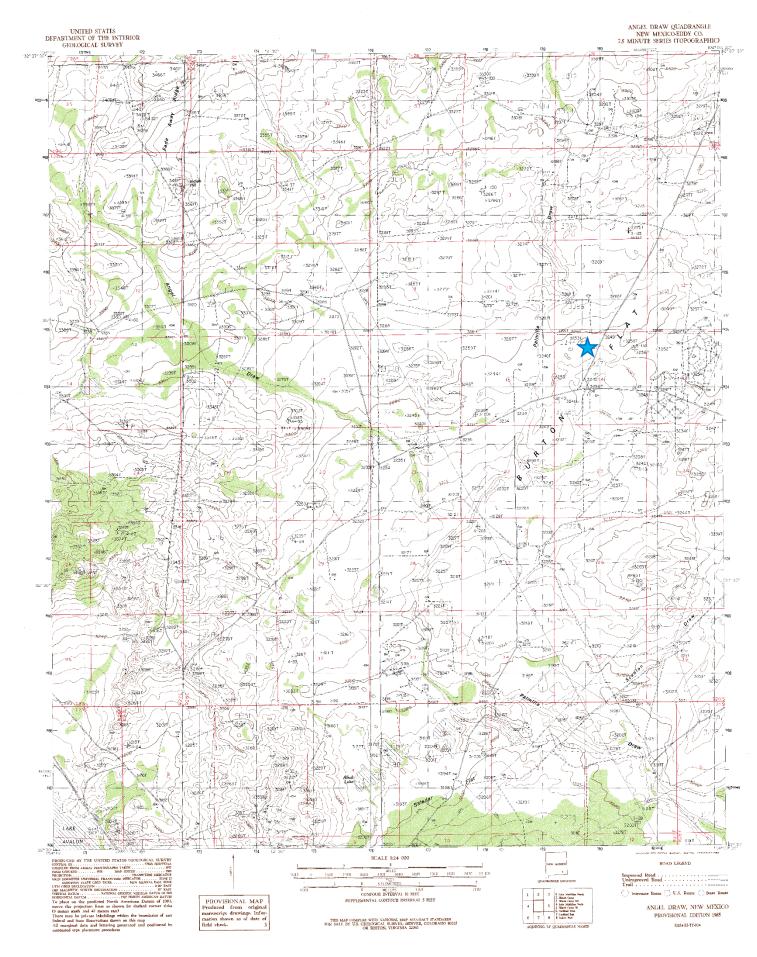
WATER

UTM Conversion Tool

	Public Land S	urvey System (PLSS)	
Q64: Q1	6: NE Q4: NW	Sec: 14 Tws: 20S Rng: 28E	
	State Plane Coor	dinate System - NAD27	
X: ft		Zone:	
	State Plane Coor	dinata Suatam NAD92	
X: ft		Zone:	
			_
Longitude (X):	Degrees: °	<b>/linutes/Seconds</b> Minutes: ' Seconds: "	
Latitude (Y):	Degrees: °	Minutes: ' Seconds: "	
			_
		M - NAD27	
Easting (X):			
		SUBMIT	
Easting (X): 57		Northing (Y): 3604948.0 mtrs	
~	<ul> <li>Please keep screen open</li> </ul>	to copy UTM values for Reports. ~~	
			-

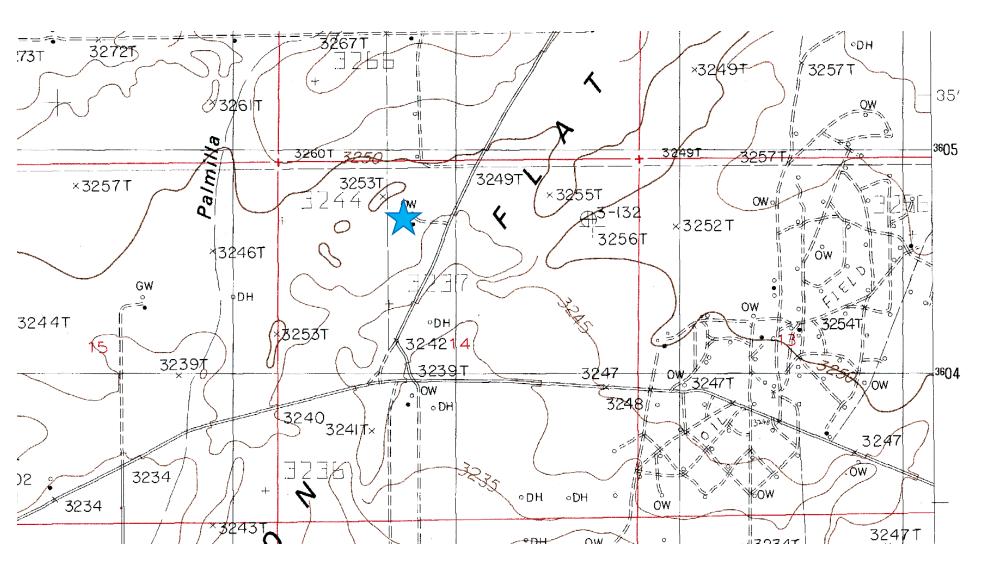
Оху

# **Government T Com #001 S Oil Tank**





# **Government T Com #001 S Oil Tank**



#### Laboratory Analytical Results Summary Government T Com #001

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	1/20/17	1/20/17	1/20/17
Chloride	SM4500CI-B		352	224	384

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	1/20/17	1/20/17	1/20/17	1/20/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		624	1220	416	400
GRO	TPH 8015M		<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	1/20/17	1/20/17
Chloride	SM4500CI-B		224	400

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	1/20/17	1/20/17	1/20/17	1/20/17
Chloride	SM4500CI-B		560	560	384	368

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	1/20/17	1/20/17	1/20/17
Chloride	SM4500CI-B		32	496	224

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	1/20/17	1/20/17	1/20/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a
Chloride	SM4500CI-B		32	400	240
GRO	TPH 8015M		n/a	<10.0	n/a
DRO	TPH 8015M		n/a	<10.0	n/a

		Sample	NORTH SAMPLE @ SURFACE
Analyte	Method	Date	1/20/17
Chloride	SM4500CI-B		<16.0

		Sample	EAST SAMPLE @ SURFACE
Analyte	Method	Date	1/20/17
Chloride	SM4500CI-B		<16.0

		Sample	SOUTH SAMPLE @ SURFACE
Analyte	Method	Date	1/20/17
Chloride	SM4500CI-B	5	<16.0

		Sample	WEST SAMPLE @ SURFACE
Analyte	Method	Date	1/20/17
Chloride	SM4500CI-B		<16.0



January 30, 2017

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

Hobbs, NM 88241

RE: GOVERNMENT T COM #001

Enclosed are the results of analyses for samples received by the laboratory on 01/23/17 16:50.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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.

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. Keine

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:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT T COM #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 1 @ SURFACE (H700155-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/26/2017	ND	416	104	400	0.00	

## Sample ID: SP 1 @ 1' (H700155-02)

Chloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/26/2017	ND	416	104	400	0.00	

#### Sample ID: SP 1 @ 2' (H700155-03)

Chloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/26/2017	ND	416	104	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 whatsoever 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 relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 12



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

Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT T COM #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 2 @ 1' (H700155-04)

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	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/27/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	68.5 9	% 35-147	,						
	74.2 9	6 28-171							

## Sample ID: SP 2 @ 2' (H700155-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	01/27/2017	ND	416	104	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 whatscever 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, whot limitation, business interruptions, loss of gronts incurred by client, its subsidiaries, affiliates or successor 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

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:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT T COM #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 2 @ 4' (H700155-06)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/27/2017	ND	416	104	400	0.00	

## Sample ID: SP 2 @ 5' (H700155-07)

Chloride, SM4500Cl-B	Analyze	d By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/27/2017	ND	416	104	400	0.00	

## Sample ID: SP 3 @ 1' (H700155-08)

Chloride, SM4500Cl-B	SM4500Cl-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/27/2017	ND	416	104	400	0.00	

#### Sample ID: SP 3 @ 2' (H700155-09)

Chloride, SM4500Cl-B	B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/27/2017	ND	416	104	400	0.00	

#### Sample ID: SP 4 @ 1' (H700155-10)

Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/27/2017	ND	416	104	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 whatsoever 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 relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celecz D. Keine

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:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT T COM #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 4 @ 2' (H700155-11)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/27/2017	ND	416	104	400	0.00	

## Sample ID: SP 4 @ 4' (H700155-12)

Chloride, SM4500CI-B	Analyze	d By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/27/2017	ND	416	104	400	0.00	

## Sample ID: SP 4 @ 5' (H700155-13)

Chloride, SM4500Cl-B	CI-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/27/2017	ND	416	104	400	0.00	

#### Sample ID: SP 5 @ SURFACE (H700155-14)

Chloride, SM4500Cl-B	14500Cl-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/27/2017	ND	416	104	400	0.00	

#### Sample ID: SP 5 @ 1' (H700155-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/27/2017	ND	416	104	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 whatsoever 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 relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celecz D. Keine

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:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT T COM #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 5 @ 2' (H700155-16)

Chloride, SM4500CI-B	mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/27/2017	ND	416	104	400	0.00	

## Sample ID: SP 6 @ SURFACE (H700155-17)

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	01/27/2017	ND	416	104	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 whatsoever 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 relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celeg D. Keine

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:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT T COM #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 6 @ 1' (H700155-18)

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	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/27/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	61.9 \$	% 35-147	,						
		% 28-171							

## Sample ID: SP 6 @ 2' (H700155-19)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/27/2017	ND	416	104	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 whatscever 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, whot limitation, business interruptions, loss of gronts incurred by client, its subsidiaries, affiliates or successor 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

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:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	GOVERNMENT T COM #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

#### Sample ID: NORTH SAMPLE @ SURFACE (H700155-20)

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	01/27/2017	ND	416	104	400	0.00	

### Sample ID: EAST SAMPLE @ SURFACE (H700155-21)

Chloride, SM4500CI-B	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/27/2017	ND	416	104	400	0.00	

## Sample ID: SOUTH SAMPLE @ SURFACE (H700155-22)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/27/2017	ND	416	104	400	0.00	

#### Sample ID: WEST SAMPLE @ SURFACE (H700155-23)

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	01/27/2017	ND	416	104	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 whatsoever 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 relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

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 whatscever 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, whother business interruptors, loss of use, or loss of profits incurred by client, its subsidiaries, afflicate or successor 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 9 of 12

A	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 EAX (505) 393-2476	40								ġ		I UD TAND ANALTSIS REQUEST	AN		VAL.	010		10E		
Company Name:	BBC International, Inc.	ľ					BILL TO	0					ANA	ANAI YSIS		REDUEST				
Project Manager:					P.O. #:			1			_	-				_ î	-	-	-	
Address: P.O.	ω				Cor	Company:	0	Ê												
city: Hobbs	State: NM	Zip:	88241	_	Attn:	0	200	Sum	umnus		ų/	-							-	_
Phone #: 575-397-6388	Fax #:	575-397-0397	1397		Ado	ŝ	5	-				1	-							
Project #:	Project Owner:	2	Ş		City:									1				-	-	
Project Name:	<b>GOVERNMENT T COM #001</b>	1	0		State:	e	Zip:									-				
Project Location:	n: EDDY COUNTY, NM				Pho	Phone #:														-
Sampler Name:	ROGER HERNANDEZ				Fax #:	#						-				15				
FOR LAB USE ONLY		P.	-	MATRIX		PRESERV		SAMPLING	NG					_					-	
Lab I.D.	Sample I.D.	RAB OR (C)ON ONTAINERS	OUNDWATER STEWATER	-	DGE IER :	D/BASE: / COOL	ER :			?(	PH	TEX								
0 CSINN H	SP1 @ SURFACE			SO OIL	ОТ		1	<b>DATE</b> 1/20/17	TIME 9:50 AM	<	10	D	+			+	+	+	+	
50	SP1 @ 1'	0		<		<	1/2		10:10 AM	<	_	-								
S	SP1 @ 2'	10		5		<	, 1/2	1/20/17	10:20 AM	<						_	_		-	
<b>k</b> o	SP2 @ 1'	10		5		<	1/2	1/20/17	10:42 AM	<	<	<		2			-			
05	SP2 @ 2'	19		<		5	1/2	1/20/17	10:55 AM	<										
06	SP2 @ 4'	10		5		5	1/2	1/20/17	11:30 AM	<									-	
10	SP2 @ 5'	0		<		5	1/2	1/20/17	11:45 AM	<										_
X0	SP3 @ 1'	01		5		2	1/2	1/20/17	12:30 PM	<				×.						
C)	SP3 @ 2'	0-		2		<	1/2	1/20/17	1:00 PM	<										
01	SP4 @ 1'	19		V		5	1/2	1/20/17	1:25 PM	<										_
PLEASE NOTE: Liability analyses. All claims includia service. In no event shall C services or successors arisi	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the naniyses. All claims including those for negligience and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including withination, business interruptions, loss of use, or loss of portis, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the neutromance of services how or discourse or discourse to the service.	ny claim arisi eemed waiv without limita	ed unless n ation, busin	lim arising whether based in contract or tort, shall be ad waived unless made in writing and received by Ca ut limitation, business interruptions, loss of use or too	and receive ns, loss of u	shall be lim td by Cardii se, or loss	nal within 3 of profits in	amount paid 0 days after Icurred by cl	ed to the amount paid by the client for the al within 30 days after completion of the a f profits incurred by client, its subsidiaries	he applicable es,										
Relinquished B	Dates	Received By:	Received By:		cianiti is based upon any of the above	apoil diry	OU DI	a stated tea	Phone Result:	Ift	] Yes	I No	Add'l	Add'l Phone #:	77					
Lord	en eby	X	oful.	2	uma	6			Fax Result: REMARKS:		□ Yes	□ No	Add'l	Add'l Fax #:						
Relinquistied By	C	Received By	ved By	1	20	0														
Delivered By:	Delivered By: (Circle One)	C	San F	Alle Cont	lition	CHE C		?												
Delivered by		0	San	Sample Condition	Inoin	CHE	CHEUNED BY:	ST:												-

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

Sampler - UPS - Bus - Other: #15 5,40 Cool Intect (Initials)

Page 10 of 12

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:		
Address: P.O. Box 805		Company: OKU		
city: Hobbs State: NM	Zip: 88241	Attn: DSGA Shummung	NUNS	
Phone #: 575-397-6388 Fax #: 575-	575-397-0397	ess:		
Project #: Project Owner:	DRUX	City:		
Project Name: GOVERNMENT T COM #001	0	State: Zip:		
Project Location: EDDY COUNTY, NM		Phone #:		
Sampler Name: ROGER HERNANDEZ		Fax #:		
FOR LAB USE ONLY	P. MATRIX	PRESERV. SAMPLING	G	
	NERS VATER			
+100122-	G)RAB O CONTAI ROUND VASTEW GOIL DIL SLUDGE	OTHER : ACID/BAS CE / COO OTHER :	CI TA: BTE	
1 SP4 @ 2'	<	1/20/17	<	
12 SP4 @ 4'	61 1	V 1/20/17 2	2:00 PM 🖌	
1	61 1	1/20/17 2	2:08 PM 🖌	
14 SP5 @ SURFACE	01 1	V 1/20/17 2	2:14 PM 🖌	
1) SP5 @ 1'		1/20/17 2	2:22 PM 🖌	
	2	-	2:30 PM 🖌	
SP6 @ 1'	<	1/20/17 2	2:35 PM V 2:40 PM V V	
(9 SP6 @ 2'	CI V	1/20/17 2	2:45 PM	
20 Worth Sample OSurface &		1/20/17	1:00PM	
ms including those for negligence and any other cause whatsoeve ent shall Cardinal be liable for incidental or consequental damages	eemed waived unless made in writing and t without limitation, business interruptions, log	received by Cardinal within 30 days after co ss of use, or loss of profits incurred by clier	ompletion of the applicable nt, its subsidiaries,	
0	Received By:	based upon any of the above stated reaso	Sons or otherwise. Phone Result:  Yes Fax Result: Yes	No Add'l Phone #: No Add'l Fax #:
A ALIMAN A	Kopelia fem	and and	REMARKS:	
telinquished by:	Received By?	2		
Notella humas ""Y.50	Current	2		
	Cool Intact	Initials)		
The second secon	-	J#		

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

Page 11 of 12

-	
La	CA
bor	J
ato	
orie	A



3073

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

City: analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be fiable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, Project Manager: Company Name: Sampler Name: Project Location: Project Name: Project #: Phone #: Address: fifiliates or successors arising out of or related to the perfor LEASE NOTE: Liability and FOR LAB USE ONLY Lab I.D. toass-23 22 2 575-397-6388 west East Samp South Sam Government 7 ages T 00 Cardinal's liability and client's exclusive remedy for any clain Jan Sample I.D. sec 205 FBrunson Ounty durtal Fax#: 575-397-097 Project Owner: State NM Zip: 8824 om Sm 4 99. G)RAB OR (C)OMP. OXY # CONTAINERS arising whether based in contract or tort, shall be limited GROUNDWATER WASTEWATER MATRIX 7 5 SOIL OIL SLUDGE State: City: Attn: P.O. #: OTHER Fax #: Phone #: Address: Company: ACID/BASE: PRESERV ICE / COOL 7 5 BILL TO OTHER to the Zip: 120/17 DATE SAMPLING × 2 ount paid by the client for the ummer 1:15 pm 1:220 1:35 TIME hlaride ANALYSIS REQUEST 1

Relinquished By:	Date:	Received By:	Phone Result: Fax Result:	□ Yes	No No	Add'l Phone #: Add'l Fax #:	
	Time:	~	REMARKS:				
		//					
Relinquished By:	Date: 1/23/17	Received By:					
	Time	( SINONC					
Delivered By: (Circle One)		Sample Condition CHECKED BY:					
Sampler - UPS - Bus - Other:	#1~ (	(Initials)					

NO NO

÷

RE: OXY USA \* Government T Com 1 \* 2RP-4057 \* DOR: 12/18/16

Cliff,

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

Thank you,

Mike Bratcher NMOCD District 2 811 South First Street Artesia, NM 88210 575-748-1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Monday, September 11, 2017 7:17 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Shelly Tucker <stucker@blm.gov>
Cc: Wade Dittrich <Wade\_Dittrich@oxy.com>; Jennifer\_Smith@oxy.com; Weaver, Crystal, EMNRD
<Crystal.Weaver@state.nm.us>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey
<jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: OXY-Government T Com #001 S Oil Tank (2RP-4057) - Delineation Workplan

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the OXY Government T Com #001 S Oil Tank (2RP-4057). OXY is requesting that you review this plan and is looking forward to both the OCD's and BLM's approval. Mike, this plan is one we discussed recently.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com



#### \*\*\*\*\*\*\*

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

From:	Tucker, Shelly
To:	Bratcher, Mike, EMNRD
Cc:	Cliff Brunson; Wade Dittrich; Jennifer_Smith@oxy.com; Weaver, Crystal, EMNRD; Ken Swinney; Jennifer Gilkey;
	Kathy Purvis
Subject:	Re: OXY-Government T Com #001 S Oil Tank (2RP-4057) - Delineation Workplan
Date:	Tuesday, October 3, 2017 4:08:43 PM

## BLM concurs with NMOCD approval.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J'Tucker

Environmental Protection Specialist O&G Spill/Release Coordinator

Bureau of Land Management 620 E. Greene St Carlsbad, NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular 575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

**Confidentiality Warning:** This message along with any attachments are intended only for use of the individual or entity to which it is addressed and may contain information that is privileged or confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

On Wed, Sep 20, 2017 at 8:54 AM, Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>> wrote:

RE: OXY USA \* Government T Com 1 \* 2RP-4057 \* DOR: 12/18/16

Cliff,

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

Thank you,

Mike Bratcher

NMOCD District 2

811 South First Street

Artesia, NM 88210

<u>575</u>~748~1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, September 11, 2017 7:17 PM
To: Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>; Shelly Tucker
<<u>stucker@blm.gov</u>>
Cc: Wade Dittrich <<u>Wade\_Dittrich@oxy.com</u>>; Jennifer\_Smith@oxy.com; Weaver,
Crystal, EMNRD <<u>Crystal.Weaver@state.nm.us</u>>; Ken Swinney
<<u>kswinney@bbcinternational.com</u>>; Jennifer Gilkey <jgilkey@bbcinternational.com>;
Kathy Purvis <<u>kathy@bbcinternational.com</u>>
Subject: OXY-Government T Com #001 S Oil Tank (2RP-4057) - Delineation Workplan

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the OXY Government T Com #001 S Oil Tank (2RP-4057). OXY is requesting that you review this plan and is looking forward to both the OCD's and BLM's approval. Mike, this plan is one we discussed recently.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



\*\*\*\*\*\*\*

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.



























































