

Closure Report

Site Description

Site Name:	Patton 17 Federal #1 CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L N, Section 17, T24S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.21198° W 103.79952°

Release Data

Date of Release:	04/22/2014
Type of Release:	Oil and produced water
Source of Release:	Overpressure in 2" steel vent line
Volume of Release:	8 bbls oil, 5 bbls produced water
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate to a depth of 1' in the areas around SP1, SP2, and SP3. Backdrag the overspray area around SP4. Backfill the site with clean soil.	
Remediation Activities:	03/04/2015 to 03/11/2015	
Plan Sent to OCD:	10/29/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	11/03/2014	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	10/29/2014	Email from Cliff Brunson to Sol Hughes
BLM Approval of Plan:	10/30/2014	Email from Sol Hughes to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 04/22/2014
Final C-141	Signed 03/16/2015
Site Diagram	May 2014
Groundwater Plot	250'
TOPO Maps	May 2014
Lab Summary	08/22/2014
Lab Analysis	08/22/2014
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

03/23/2015

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Patton 17 Federal #1 CTB	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	17	24S	31E					Eddy

Latitude N 32.21217° Longitude W 103.79951°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	8 bbls oil and 5 bbls produced water	Volume Recovered	0 bbls
Source of Release	Over pressure in 2" steel vent line	Date and Hour of Occurrence	4/22/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	4/22/2014 @ 10:50 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Over pressure in a 2" steel vent line caused tanks to spill 8 bbls of oil and 5 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 10'x 43' on location. Leak stayed within the facility. Remediation will be performed in accordance with a plan approved by NMOCD and BLM.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 4-22-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Patton 17 Federal #1 CTB	Facility Type	Gathering

Surface Owner	BLM	Mineral Owner		API No.	
---------------	-----	---------------	--	---------	--

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	17	24S	31E					Eddy

Latitude N 32.21217° Longitude W 103.79951°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	8 bbls oil and 5 bbls produced water	Volume Recovered	0 bbls
Source of Release	Over pressure in 2" steel vent line	Date and Hour of Occurrence	4/22/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	4/22/2014 @ 10:50 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

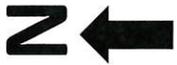
Describe Cause of Problem and Remedial Action Taken.*
Over pressure in a 2" steel vent line caused tanks to spill 8 bbls of oil and 5 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 10'x 43' on location. Leak stayed within the facility. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 11/03/2014 and approved by Sol Hughes of the BLM via email on 10/30/2014.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

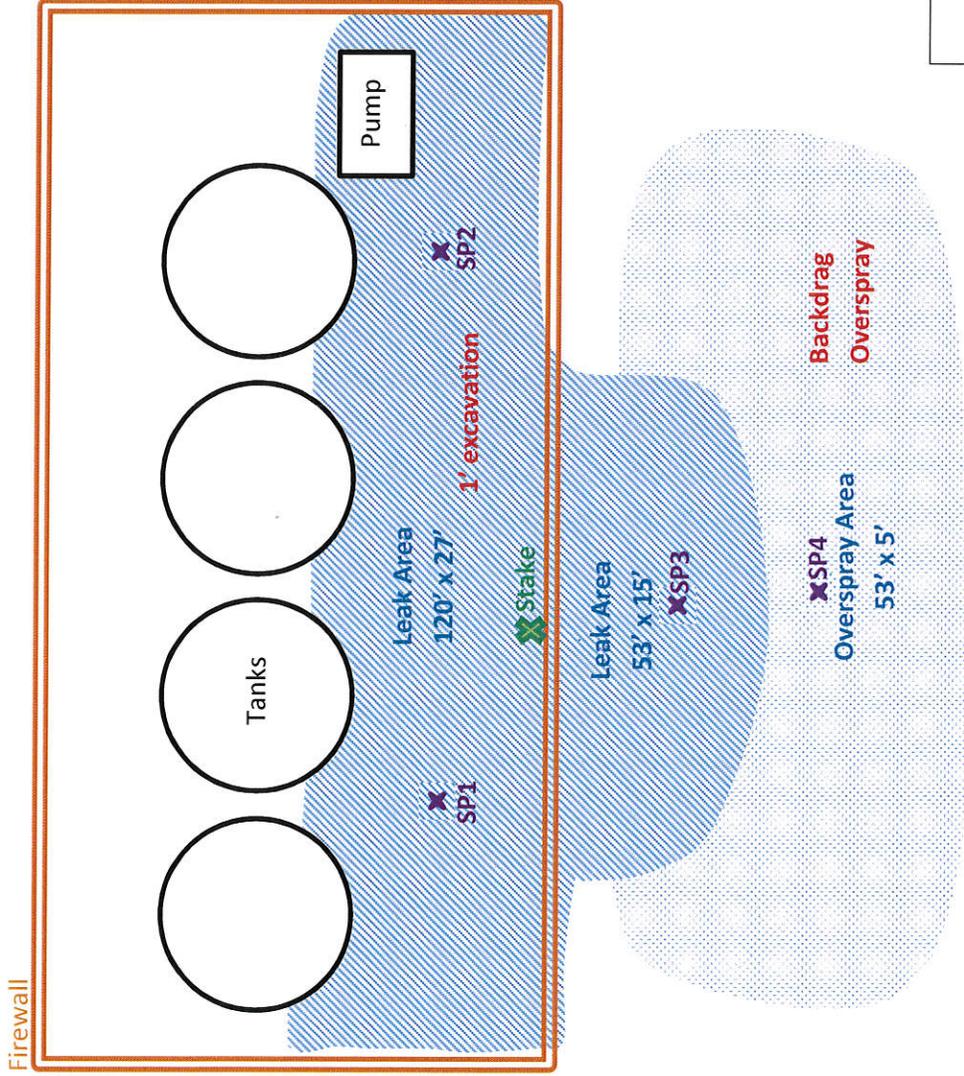
Signature: Chris Jones <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=ckjones888@yahoo.com, c=US Date: 2015.03.16 14:36:02 -05'00'</small>	OIL CONSERVATION DIVISION	
Printed Name: Christopher Jones	Approved by District Supervisor:	
Title: HES Specialist	Approval Date:	Expiration Date:
E-mail Address: Christopher_jones@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 3-16-15	Phone: (575) 628-4121	

* Attach Additional Sheets If Necessary



Oxy

Patton 17 Federal #1 CTB



U/L N, Section 17, T24S, R31E
Eddy County, NM
N 32.21198° W 103.79952° at stake
API# 30-015-29279 (nearest well)

BBC International, Inc.	
Oxy	
Patton 17 Federal #1 CTB	
Date: 05/06/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014



Groundwater Plot

Oxy Patton 17 Federal #1 CTB

County
Eddy

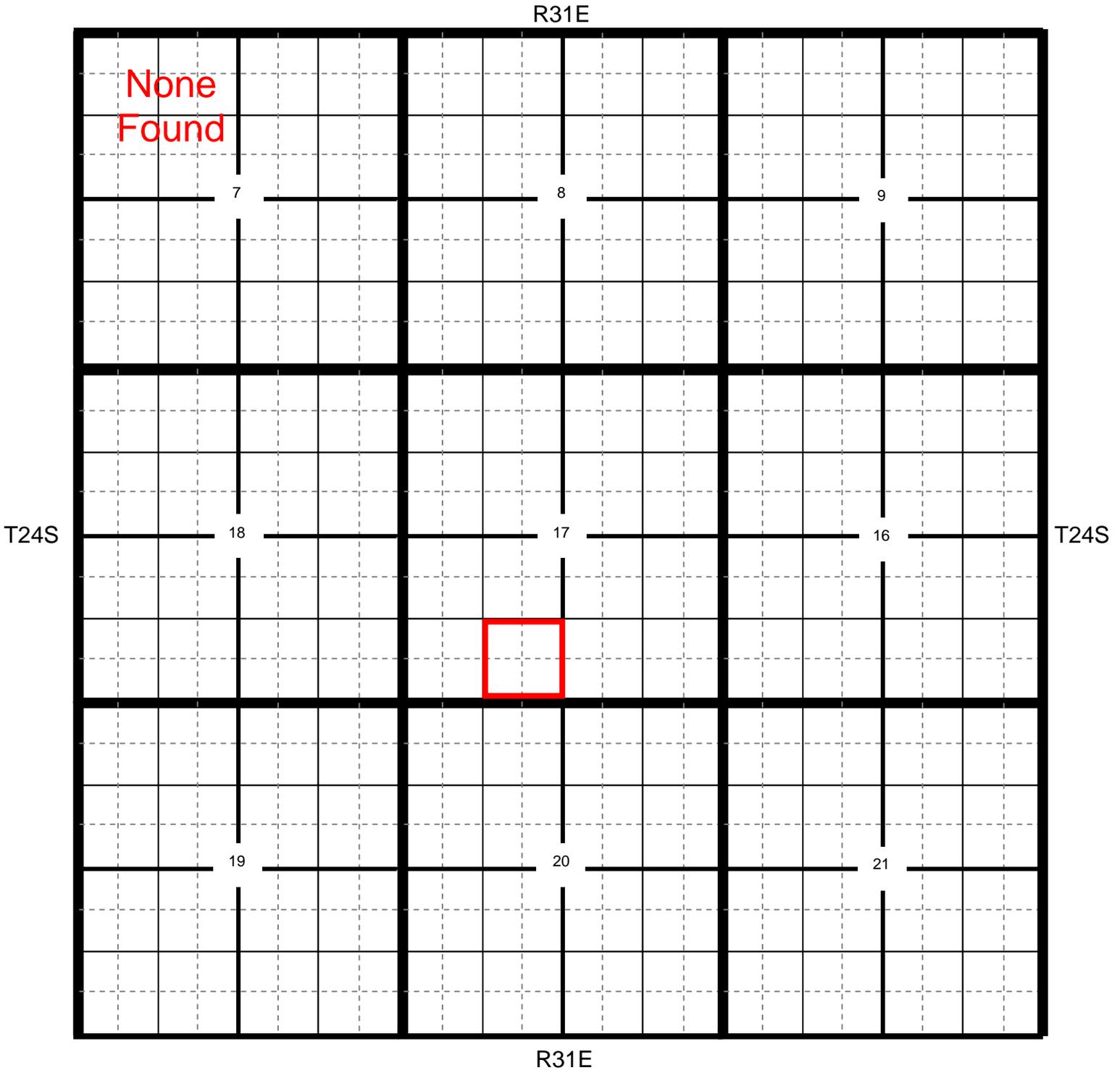
Unit Letter
N

Section
17

Township
T24S

Range
R31E

Trend Map 250'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Patton 17 Federal #1 CTB

County Eddy Unit Letter N Section 17 Township 24S Range 31E

Trend Map 250'

1

2

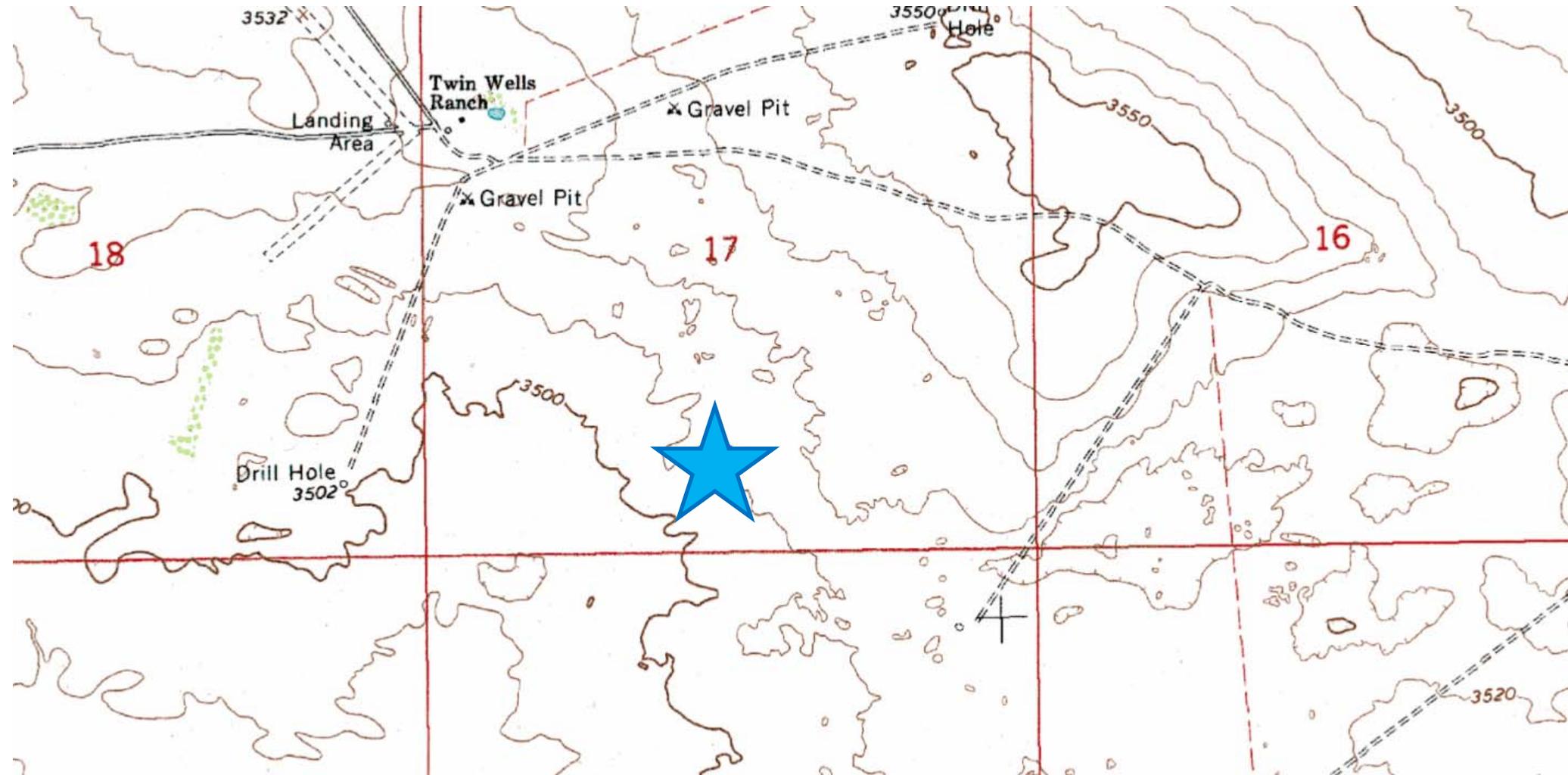
NW/NW None Found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

Oxy

Patton 17 Federal #1 CTB



**Laboratory Analytical Results Summary
Patton 17 Fed #1 CTB**

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	8/22/14	8/22/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.050
Toluene	BTEX 8021B		2.95	<0.050
Ethylbenzene	BTEX 8021B		2.71	<0.050
Total Xylenes	BTEX 8021B		15.9	<0.150
Total BTEX	BTEX 8021B		21.6	<0.300
Chloride	SM4500Cl-B		32	<16.0
GRO	TPH 8015M		551	11.5
DRO	TPH 8015M		29700	597

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	8/22/14	8/22/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<.200	<0.200
Toluene	BTEX 8021B		0.504	1.1
Ethylbenzene	BTEX 8021B		0.656	1.04
Total Xylenes	BTEX 8021B		2.94	10.4
Total BTEX	BTEX 8021B		4.1	12.6
Chloride	SM4500Cl-B		3120	144
GRO	TPH 8015M		214	437
DRO	TPH 8015M		18500	4000

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	8/22/14	8/22/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		592	32
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		7670	23.4

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	8/22/14	8/22/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<20.0	<10.0
DRO	TPH 8015M		<20.0	<10.0



September 02, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PATTON 17 FEDERAL #1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/25/14 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H402599-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/28/2014	ND	2.08	104	2.00	2.16	
Toluene*	2.95	0.500	08/28/2014	ND	2.12	106	2.00	2.21	
Ethylbenzene*	2.71	0.500	08/28/2014	ND	2.17	108	2.00	2.63	
Total Xylenes*	15.9	1.50	08/28/2014	ND	6.81	113	6.00	1.95	
Total BTEX	21.6	3.00	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	551	100	08/27/2014	ND	183	91.4	200	3.35	
DRO >C10-C28	29700	100	08/27/2014	ND	197	98.3	200	6.02	

Surrogate: 1-Chlorooctane 125 % 65.2-140

Surrogate: 1-Chlorooctadecane 1160 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 1 @ 1' (H402599-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	2.08	104	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2014	ND	2.12	106	2.00	2.21	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	2.17	108	2.00	2.63	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	6.81	113	6.00	1.95	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.5	10.0	08/27/2014	ND	183	91.4	200	3.35	
DRO >C10-C28	597	10.0	08/27/2014	ND	197	98.3	200	6.02	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 154 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H402599-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/28/2014	ND	2.08	104	2.00	2.16	
Toluene*	0.504	0.200	08/28/2014	ND	2.12	106	2.00	2.21	
Ethylbenzene*	0.656	0.200	08/28/2014	ND	2.17	108	2.00	2.63	
Total Xylenes*	2.94	0.600	08/28/2014	ND	6.81	113	6.00	1.95	
Total BTEX	4.10	1.20	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	214	50.0	08/27/2014	ND	183	91.4	200	3.35	
DRO >C10-C28	18500	50.0	08/27/2014	ND	197	98.3	200	6.02	

Surrogate: 1-Chlorooctane 124 % 65.2-140

Surrogate: 1-Chlorooctadecane 657 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 2 @ 1' (H402599-04)

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	1.10	0.200	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	1.04	0.200	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	10.4	0.600	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	12.6	1.20	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	437	50.0	08/27/2014	ND	185	92.6	200	2.15		
DRO >C10-C28	4000	50.0	08/27/2014	ND	203	101	200	2.87		

Surrogate: 1-Chlorooctane 135 % 65.2-140

Surrogate: 1-Chlorooctadecane 185 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H402599-05)

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	<0.050	0.050	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	08/27/2014	ND	185	92.6	200	2.15		
DRO >C10-C28	7670	50.0	08/27/2014	ND	203	101	200	2.87		

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 323 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 3 @ 1' (H402599-06)

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	<0.050	0.050	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/27/2014	ND	432	108	400	7.69	

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	08/27/2014	ND	185	92.6	200	2.15	
DRO >C10-C28	23.4	10.0	08/27/2014	ND	203	101	200	2.87	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 131 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H402599-07)

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	<0.050	0.050	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<20.0	20.0	08/27/2014	ND	183	91.4	200	3.35	
DRO >C10-C28	<20.0	20.0	08/27/2014	ND	197	98.3	200	6.02	

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 135 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 4 @ 1' (H402599-08)

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	<0.050	0.050	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/27/2014	ND	432	108	400	7.69	

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	08/27/2014	ND	185	92.6	200	2.15	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	203	101	200	2.87	

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs
 State: NIM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: Patton 17 Federal #1 CTB
 Project Location: Eddy County, NM
 Sampler Name: Price Brunson
 P.O. #: Company:
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CI	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
442599	SP1 @ SURFACE	G	1							8/22/14	9:00 AM	✓	✓	✓
	SP1 @ 1'	G	1	✓						8/22/14	9:10 AM	✓	✓	✓
	SP2 @ SURFACE	G	1	✓						8/22/14	9:25 AM	✓	✓	✓
	SP2 @ 1'	G	1	✓						8/22/14	9:35 AM	✓	✓	✓
	SP3 @ SURFACE	G	1	✓						8/22/14	9:45 AM	✓	✓	✓
	SP3 @ 1'	G	1	✓						8/22/14	9:55 AM	✓	✓	✓
	SP4 @ SURFACE	G	1	✓						8/22/14	10:10 AM	✓	✓	✓
	SP4 @ 1'	G	1	✓						8/22/14	10:20 AM	✓	✓	✓

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

Relinquished By: *Price Brunson* Date: 8/22/14 Time: 5:00 PM
 Received By: *Cliff Brunson* Date: 8/25/14 Time: 11:15 AM
 Relinquished By: *Cliff Brunson* Date: 8/25/14 Time: 11:15 AM
 Received By: *Cliff Brunson* Date: 8/25/14 Time: 11:15 AM
 Delivered By: (Circle One) UPS Bus Other: *-D. Lov*
 Sample Condition: Cool Intact
 Checked By: *Cliff Brunson* (Initials)

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

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

#54

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Monday, November 03, 2014 11:37 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Patterson, Heather, EMNRD
Subject: RE: OXY - Patton 17 Federal #1 CTB - Remediation Plan

RE: OXY USA * Patton 17 Fed 1 * 30-015-29279 * O-17-24s-31e * Eddy County, NM
NMOCD Tracking: 2RP-2269 * Date of release: 4/22/14

Cliff,

Your proposal for remediation of the above referenced release is approved. Federal sites will require like approval by BLM.

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.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, October 29, 2014 3:24 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Patton 17 Federal #1 CTB - Remediation Plan

Mike,

This e-mail is to confirm our conversation on October 28, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 1 foot in the spill area near SP1, SP2, and SP3. The overspray area near SP4 will be back dragged. All of the spill area is depicted on the attached site diagram. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.

Kathy Purvis

From: Hughes, Solomon <shughes@blm.gov>
Sent: Thursday, October 30, 2014 11:33 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY - Patton 17 Federal #1 CTB - Remediation Plan

Cliff,

This plan is approved as written.

Bests,
Sol

Sol Hughes

Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Wed, Oct 29, 2014 at 3:23 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Sol,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy will excavate to a depth of 1 foot in the spill area near SP1, SP2, and SP3. The overspray area near SP4 will be back dragged. All of these areas are depicted on the attached site diagram. Then the site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

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
