

Closure Report

Site Description

Site Name:	James Buchanan CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L I, Section 33, T18S, R28E
County:	Eddy County, NM
GPS Coordinates:	N 32.70208° W 104.17474 °

Release Data

Date of Release:	11/10/2014
Type of Release:	Produced water
Source of Release:	Corrosion of 3" steel line
Volume of Release:	15 bbls
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the entire leak site to a depth of 2.5 feet by hand. Backfill the site with clean soil.	
Remediation Activities:	03/09/2016 to 03/22/2016	
Plan Sent to OCD:	05/02/2015	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	05/29/2015	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 03/12/2015
Final C-141	Signed 03/28/2016
Site Diagram	November 2014
Groundwater Plot	150'
TOPO Maps	November 2014
Lab Summary	01/08/2015
Lab Analysis	01/08/2015
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.

03/28/2016

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	James Buchanan CTB	Facility Type	Battery

Surface Owner	State	Mineral Owner		API No.	30-015-29890
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	33	18S	28E					Eddy County, NM

Latitude N 32.70211° Longitude W 104.17430°

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	15 bbls	Volume Recovered	0 bbls
Source of Release	Corrosion of 3" steel line	Date and Hour of Occurrence	11/10/2014	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, Heather Patterson-NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	11/10/2014 @ 12:26 pm		
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.*

Corrosion of a 3" steel line leaked 15 bbls of oil onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 15' x 20' on location. Remediation will be completed in accordance with a plan approved by NMOCD.

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

OIL CONSERVATION DIVISION

Signature:	Approved by District Supervisor:		
Printed Name: Christopher Jones			
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date:	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary

District I
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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	Casey Summers
Address	6 Desta Drive; Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	James Buchanan CTB	Facility Type	Battery

Surface Owner	State	Mineral Owner		API No.	30-015-29890
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	33	18S	28E					Eddy County, NM

Latitude N 32.70211° Longitude W 104.17430°

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	15 bbls	Volume Recovered	0 bbls
Source of Release	Corrosion of 3" steel line	Date and Hour of Occurrence	11/10/2014	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, Heather Patterson-NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	11/10/2014 @ 12:26 pm		
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.*

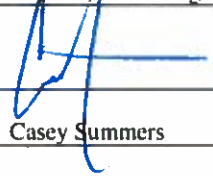
Describe Cause of Problem and Remedial Action Taken.*

Corrosion of a 3" steel line leaked 15 bbls of water on location. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 25' x 25' on location. Remediation was completed in accordance with a plan approved by Mike Bratcher of NMOCD via email on 05/29/2015.

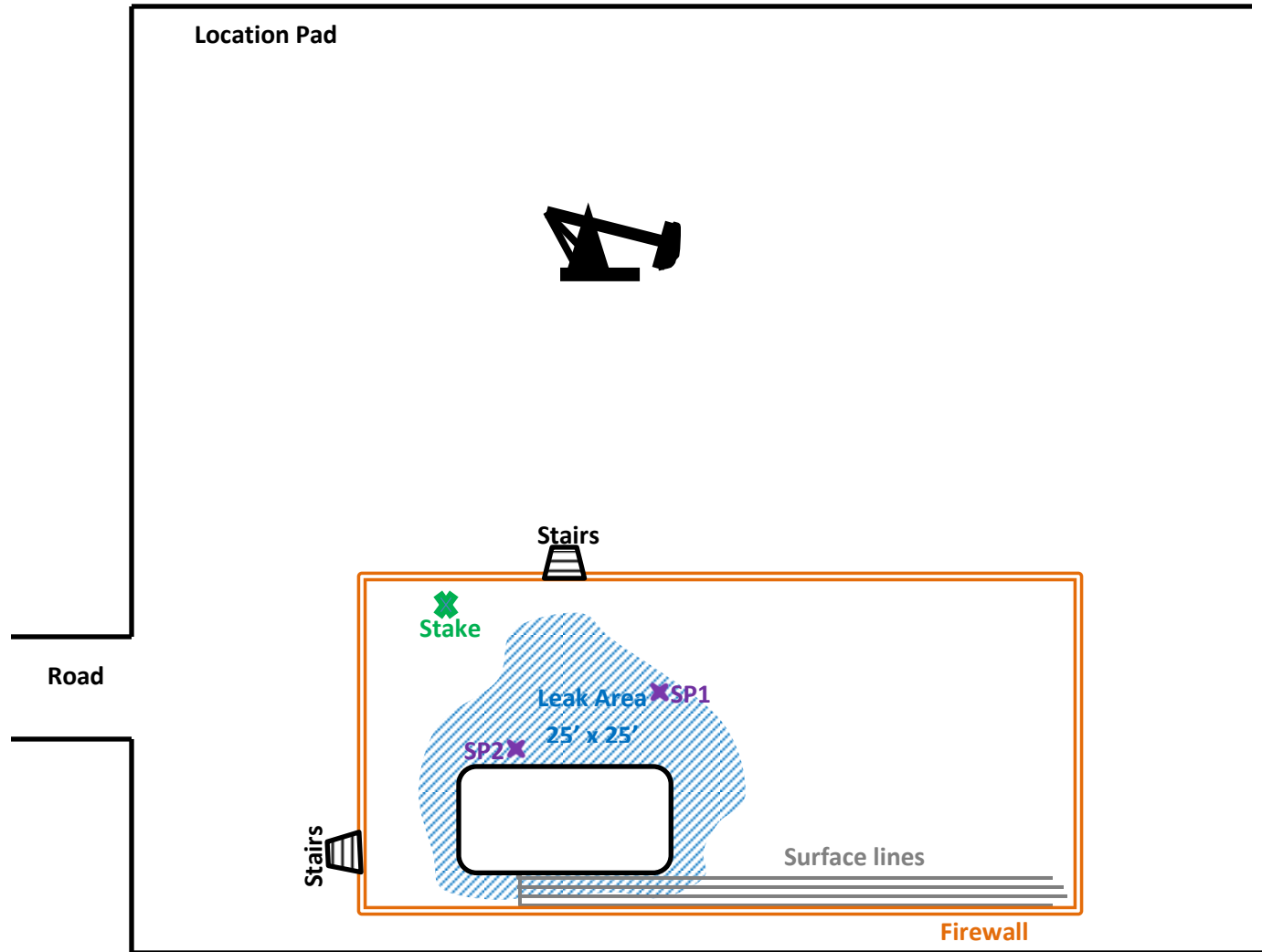
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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:				OIL CONSERVATION DIVISION	
Printed Name:	Casey Summers			Approved by District Supervisor:	
Title:	NM Environmental Advisor			Approval Date:	Expiration Date:
E-mail Address:	Casey_Summers@oxy.com			Conditions of Approval:	Attached <input type="checkbox"/>
Date:	3-28-16			Phone:	(575) 513-8289

* Attach Additional Sheets If Necessary



Oxy
James Buchanan CTB



U/L I, Section 33, T18S, R28E
Eddy County, NM
N 32.70208° W 104.17474° at stake
API# 30-015-29890

BBC International, Inc.

Oxy
James Buchanan CTB

Date: 11/17/14

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2014



Groundwater Plot

Oxy James Buchanan CTB

County
Eddy

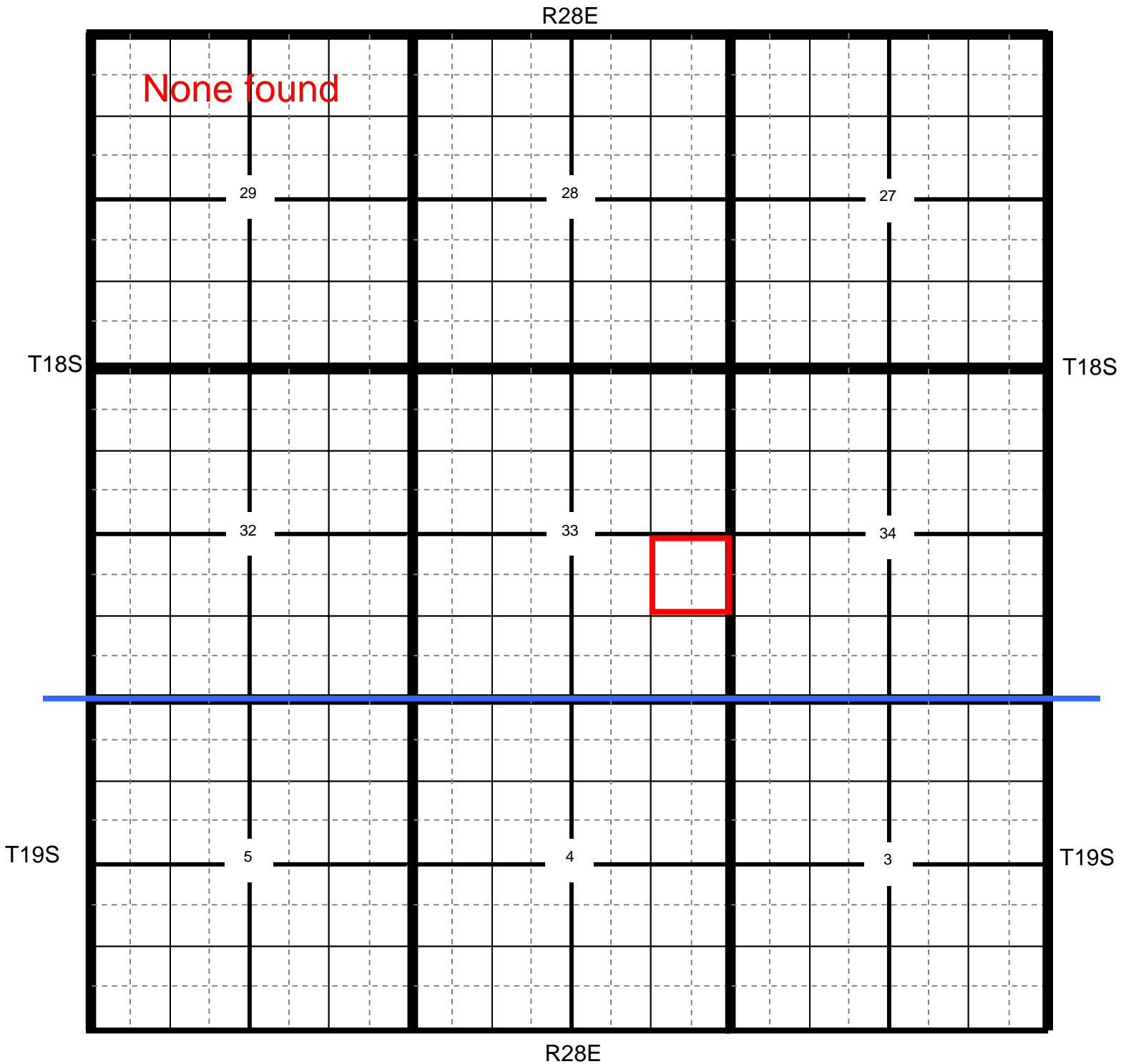
Unit Letter
I

Section
33

Township
18S

Range
28E

Trend Map 150'



Location

OCD

USGS

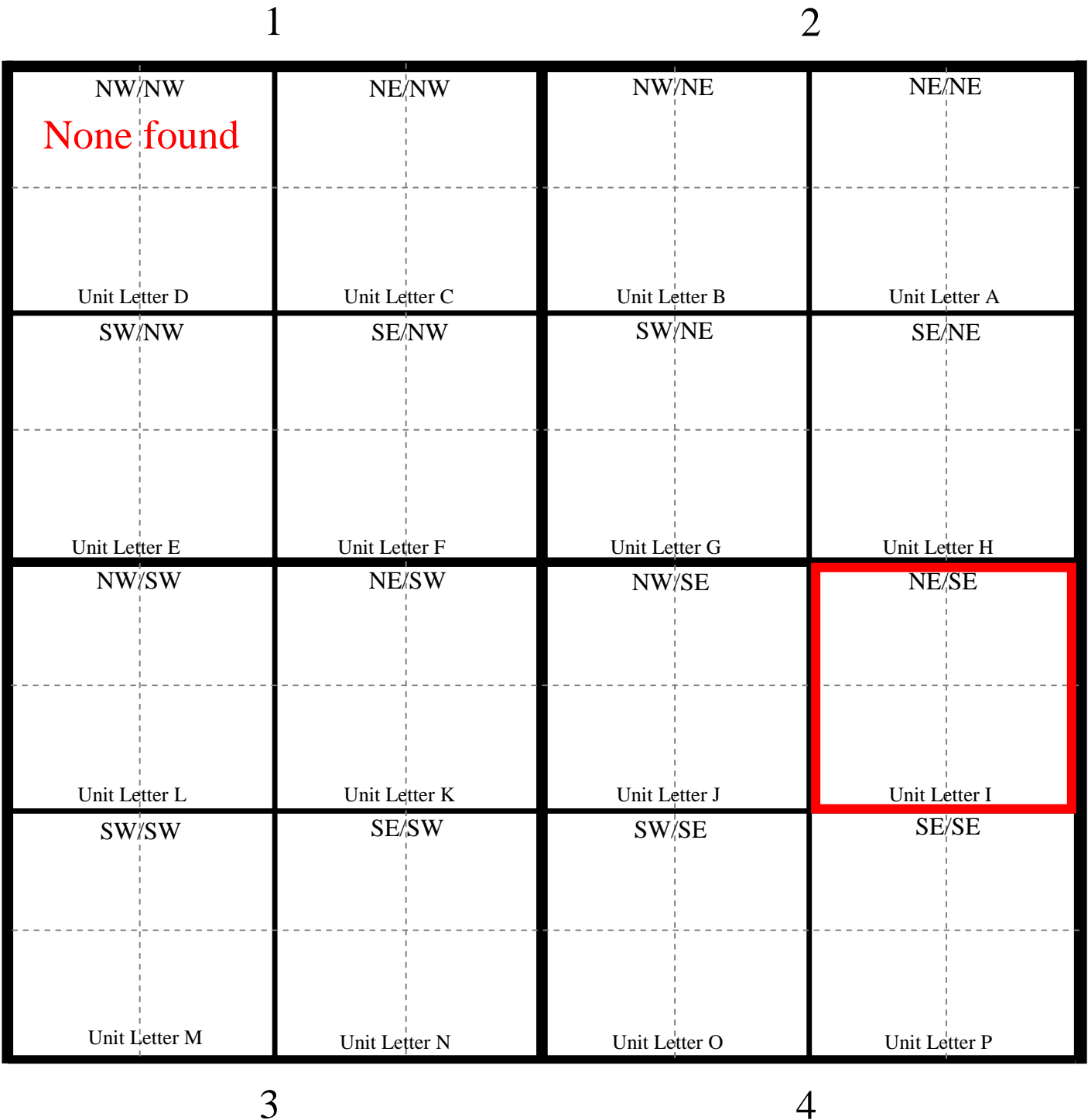
SEO

All Databases

Oxy James Buchanan CTB

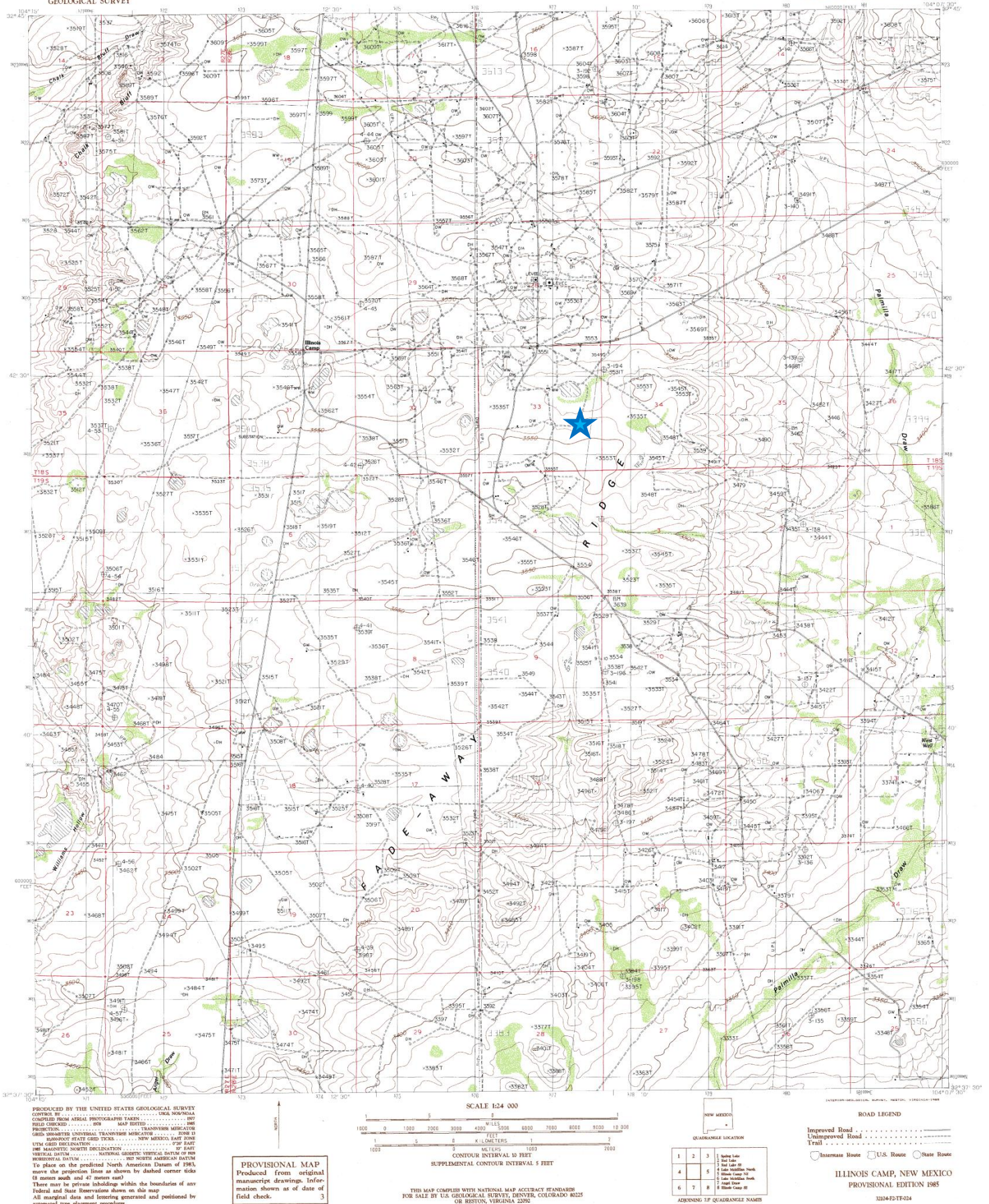
County Eddy	Unit Letter I	Section 33	Township 18S	Range 28E
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Trend Map 150'

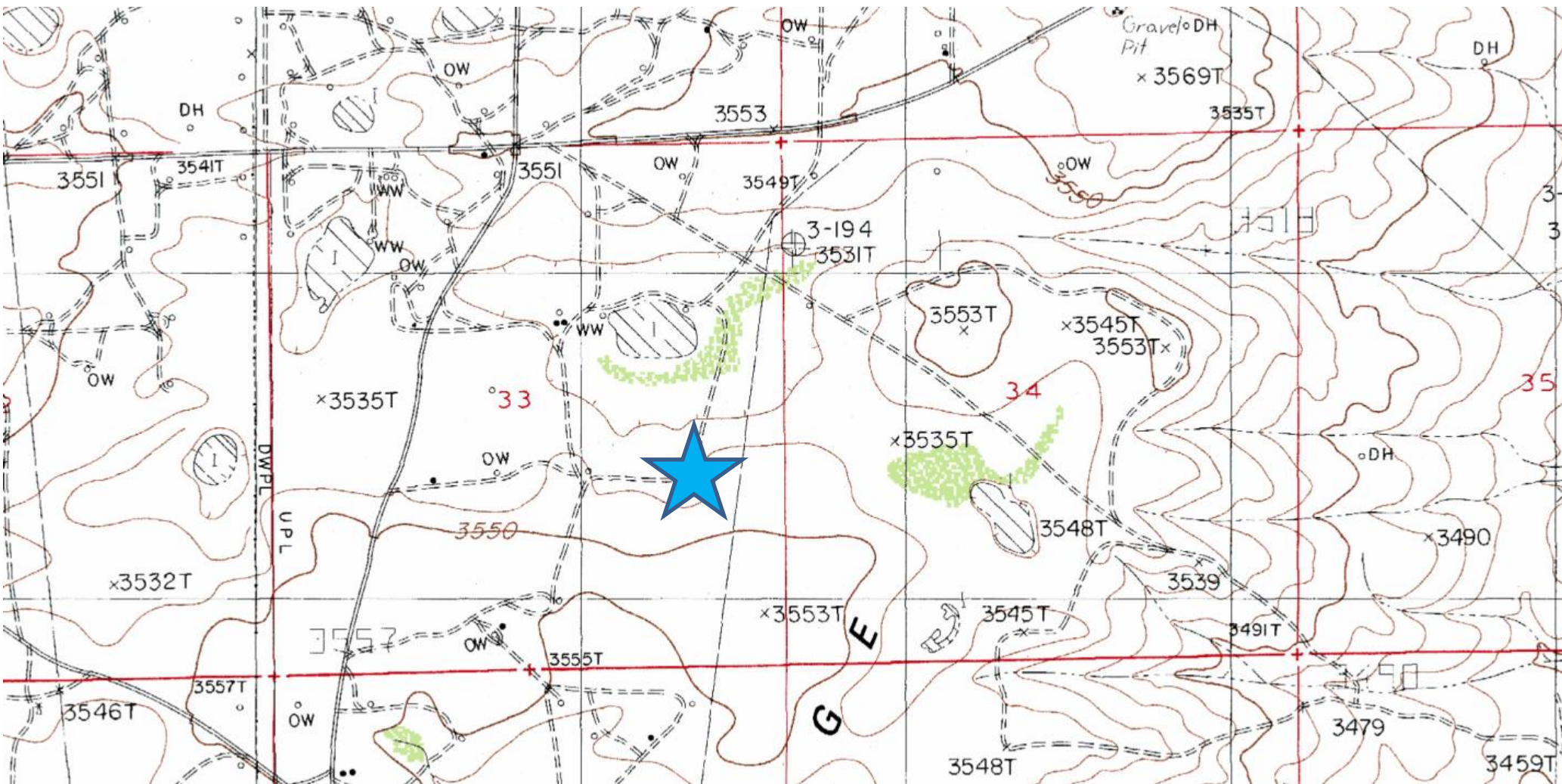


James Buchanan CTB

ILLINOIS CAMP QUADRANGLE
NEW MEXICO-EDDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Oxy



Laboratory Analytical Results Summary
James Buchanan CTB

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	1/8/15	1/8/15	1/8/15	1/8/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.424	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		5.95	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		6.38	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		224	1250	368	<16.0
GRO	TPH 8015M		365	<10.0	<10.0	<10.0
DRO	TPH 8015M		3310	139	14.5	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	1/8/15	1/8/15	1/8/15	1/8/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	<0.200
Toluene	BTEX 8021B		<0.200	<0.050	<0.050	<0.200
Ethylbenzene	BTEX 8021B		0.306	<0.050	<0.050	<0.200
Total Xylenes	BTEX 8021B		4.88	<0.150	<0.150	<0.600
Total BTEX	BTEX 8021B		5.19	<0.300	<0.300	<1.20
Chloride	SM4500Cl-B		256	1420	240	<16.0
GRO	TPH 8015M		348	12.1	<10.0	<10.0
DRO	TPH 8015M		3130	301	45.1	<10.0



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 14, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: JAMES BUCHANAN

Enclosed are the results of analyses for samples received by the laboratory on 01/09/15 15:25.

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, flowing 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:	01/09/2015	Sampling Date:	01/08/2015
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	JAMES BUCHANAN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NM		

Sample ID: SP 1 @ 1' (H500078-01)

BTX 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	01/13/2015	ND	1.74	86.8	2.00	2.77	
Toluene*	<0.200	0.200	01/13/2015	ND	1.70	84.9	2.00	2.67	
Ethylbenzene*	0.424	0.200	01/13/2015	ND	1.64	82.0	2.00	2.15	
Total Xylenes*	5.95	0.600	01/13/2015	ND	4.93	82.1	6.00	2.57	
Total BTX	6.38	1.20	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	365	10.0	01/13/2015	ND	198	98.8	200	3.28	
DRO >C10-C28	3310	10.0	01/13/2015	ND	208	104	200	2.79	

Surrogate: 1-Chlorooctane 140 % 47.2-157

Surrogate: 1-Chlorooctadecane 141 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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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: 01/09/2015
Reported: 01/14/2015
Project Name: JAMES BUCHANAN
Project Number: NONE GIVEN
Project Location: CARLSBAD, NM

Sampling Date: 01/08/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H500078-02)

BTX 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	01/13/2015	ND	1.73	86.5	2.00	5.88		
Toluene*	<0.050	0.050	01/13/2015	ND	1.69	84.7	2.00	5.60		
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.64	82.1	2.00	6.18		
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.96	82.7	6.00	6.13		
Total BTX	<0.300	0.300	01/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	01/13/2015	ND	400	100	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	01/13/2015	ND	198	98.8	200	3.28	
DRO >C10-C28	139	10.0	01/13/2015	ND	208	104	200	2.79	

Surrogate: 1-Chlorooctane 90.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.8 % 52.1-176

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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: 01/09/2015
 Reported: 01/14/2015
 Project Name: JAMES BUCHANAN
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 01/08/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H500078-03)

BTX 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	01/13/2015	ND	1.73	86.5	2.00	5.88		
Toluene*	<0.050	0.050	01/13/2015	ND	1.69	84.7	2.00	5.60		
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.64	82.1	2.00	6.18		
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.96	82.7	6.00	6.13		
Total BTX	<0.300	0.300	01/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/13/2015	ND	400	100	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	01/13/2015	ND	198	98.8	200	3.28	
DRO >C10-C28	14.5	10.0	01/13/2015	ND	208	104	200	2.79	

Surrogate: 1-Chlorooctane 86.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.6 % 52.1-176

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*=Accredited Analyte

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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: 01/09/2015
Reported: 01/14/2015
Project Name: JAMES BUCHANAN
Project Number: NONE GIVEN
Project Location: CARLSBAD, NM

Sampling Date: 01/08/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 4' (H500078-04)

BTX 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	01/13/2015	ND	1.73	86.5	2.00	5.88		
Toluene*	<0.050	0.050	01/13/2015	ND	1.69	84.7	2.00	5.60		
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.64	82.1	2.00	6.18		
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.96	82.7	6.00	6.13		
Total BTX	<0.300	0.300	01/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 61-154

Chloride, SM4500CI-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	01/13/2015	ND	400	100	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	01/13/2015	ND	198	98.8	200	3.28	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	208	104	200	2.79	

Surrogate: 1-Chlorooctane 89.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.6 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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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: 01/09/2015
Reported: 01/14/2015
Project Name: JAMES BUCHANAN
Project Number: NONE GIVEN
Project Location: CARLSBAD, NM

Sampling Date: 01/08/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H500078-05)

BTX 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	01/13/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.200	0.200	01/13/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	0.306	0.200	01/13/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	4.88	0.600	01/13/2015	ND	4.96	82.7	6.00	6.13	
Total BTX	5.19	1.20	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/13/2015	ND	400	100	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	348	10.0	01/13/2015	ND	198	98.8	200	3.28	
DRO >C10-C28	3130	10.0	01/13/2015	ND	208	104	200	2.79	

Surrogate: 1-Chlorooctane 138 % 47.2-157

Surrogate: 1-Chlorooctadecane 137 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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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: 01/09/2015
Reported: 01/14/2015
Project Name: JAMES BUCHANAN
Project Number: NONE GIVEN
Project Location: CARLSBAD, NM

Sampling Date: 01/08/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H500078-06)

BTX 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	01/13/2015	ND	1.73	86.5	2.00	5.88		
Toluene*	<0.050	0.050	01/13/2015	ND	1.69	84.7	2.00	5.60		
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.64	82.1	2.00	6.18		
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.96	82.7	6.00	6.13		
Total BTX	<0.300	0.300	01/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	01/13/2015	ND	400	100	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	12.1	10.0	01/13/2015	ND	198	98.8	200	3.28	
DRO >C10-C28	301	10.0	01/13/2015	ND	208	104	200	2.79	

Surrogate: 1-Chlorooctane 88.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.9 % 52.1-176

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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: 01/09/2015
Reported: 01/14/2015
Project Name: JAMES BUCHANAN
Project Number: NONE GIVEN
Project Location: CARLSBAD, NM

Sampling Date: 01/08/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H500078-07)

BTX 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	01/13/2015	ND	1.73	86.5	2.00	5.88		
Toluene*	<0.050	0.050	01/13/2015	ND	1.69	84.7	2.00	5.60		
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.64	82.1	2.00	6.18		
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.96	82.7	6.00	6.13		
Total BTX	<0.300	0.300	01/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/13/2015	ND	400	100	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	01/13/2015	ND	198	98.8	200	3.28	
DRO >C10-C28	45.1	10.0	01/13/2015	ND	208	104	200	2.79	

Surrogate: 1-Chlorooctane 91.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.7 % 52.1-176

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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: 01/09/2015
Reported: 01/14/2015
Project Name: JAMES BUCHANAN
Project Number: NONE GIVEN
Project Location: CARLSBAD, NM

Sampling Date: 01/08/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 4' (H500078-08)

BTX 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	01/13/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.200	0.200	01/13/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.200	0.200	01/13/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.600	0.600	01/13/2015	ND	4.96	82.7	6.00	6.13	
Total BTX	<1.20	1.20	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 61-154

Chloride, SM4500CI-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	01/13/2015	ND	400	100	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	01/12/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49	

Surrogate: 1-Chlorooctane 75.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 76.1 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST																			
Project Manager: Cliff Brunson		Company:																					
Address: P.O. Box 805		Attn:																					
City: Hobbs		State: NM		Zip: 88241																			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																			
Project #:		City:		State:		Zip:																	
Project Name: James Buchanan		Project Owner: ATY		Phone #:																			
Project Location: Carlisle		Phone #:																					
Sampler Name: Price Brunson		Fax #:																					
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING											
								<input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER:		<input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER:													
H500078		1		G		1		✓		✓		1/8/15 1030		✓		TPH							
2		2		G		1		✓		✓		1/8/15 1040		✓		BTEX							
3		3		G		1		✓		✓		1/8/15 1050		✓		✓							
4		4		G		1		✓		✓		1/8/15 1120		✓		✓							
5		1		G		1		✓		✓		1/8/15 1155		✓		✓							
6		2		G		1		✓		✓		1/8/15 1230		✓		✓							
7		3		G		1		✓		✓		1/8/15 1245		✓		✓							
8		4		G		1		✓		✓		1/8/15 1300		✓		✓							
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Relinquished By:		Date: 1/9/15		Received By:		Time: 3:25		Relinquished By:		Date: 1/9/15		Received By:		Time:		Relinquished By:		Date:		Received By:		Time:	
Relinquished By:		Date:		Received By:		Time:		Relinquished By:		Date:		Received By:		Time:		Relinquished By:		Date:		Received By:		Time:	
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		Initials		Delivered By: (Circle One)		Sample Condition		CHECKED BY:		Initials		Delivered By: (Circle One)		Sample Condition		CHECKED BY:		Initials	
Sampler - UPS - Bus - Other:		<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		-10.6°C		ATY		Sampler - UPS - Bus - Other:		<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		-10.6°C		ATY		Sampler - UPS - Bus - Other:		<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		-10.6°C		ATY	
REMARKS:																							
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476																							

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Friday, May 29, 2015 3:08 PM
To: Cliff Brunson
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY - James Buchanan CTB - Remediation Plan

RE: OXY USA * James Buchanan 33 St 1 * 30-015-29890 * I-33-18s-28e
NMOCD Tracking Number: 2RP-2596 * Date of release: 11/10/14

Cliff,

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

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 Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Saturday, May 02, 2015 7:42 PM
To: Bratcher, Mike, EMNRD
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - James Buchanan CTB - Remediation Plan

Mike,

This e-mail is to request the OCD'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. If you will review the diagram on the attachment, it depicts the remediation plan and the area and depth of the excavations. After the soil is excavated, the site will be backfilled with clean soil.

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

Thanks, Cliff

BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
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