

RECEIVED

By OCD District 1 at 10:15 am, Jul 28, 2015

Closure Report**APPROVED**

By OCD District 1 at 10:15 am, Jul 28, 2015

Site Description

Site Name:	Trickey #002
Company:	Oxy Permian Ltd.
Legal Description:	U/L B, Section 18, T20S, R38E
County:	Lea County, NM
GPS Coordinates:	N 32.57845° W 103.18568°

Release Data

Date of Release:	08/28/2014
Type of Release:	Oil and produced water
Source of Release:	Over pressure on stuffing box caused packing to blow out
Volume of Release:	3 bbls oil, 10 bbls produced water
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the area around SP3 to a depth of 3.5 feet. Excavate the remaining leak areas to a depth of 1.5 feet. Backfill the site with clean soil.	
Remediation Activities:	06/15/2015 to 07/02/2015	
Plan Sent to OCD:	10/21/2014	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	10/22/2014	Email from Tomas Oberding 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 09/16/2014
Final C-141	Signed 07/13/2015
Site Diagram	September 2014
Groundwater Plot	75'-100'
TOPO Maps	September 2014
Lab Summary	09/15/2014 and 10/06/2014
Lab Analysis	09/15/2014 and 10/06/2014
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.

07/27/2015

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	Trickey #002	Facility Type	Well location
Surface Owner	Fee	Mineral Owner	API No. 30-025-37216

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	18	20S	38E	660	North	1980	East	Lea

Latitude N 32.57844° Longitude W 103.18520°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	3 bbls oil, 10 bbls produced water	Volume Recovered	0 bbls
Source of Release	Over pressure on stuffing box caused packing to blow out at the well head	Date and Hour of Occurrence	08/28/2014	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?	Tomas Oberding, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	08/28/2014 @ 10:36 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 on the stuffing box caused the packing to blow out at the well head and spray 3 bbls of oil and 10 bbls of produced water onto the ground. No fluids were recovered and the packing was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 80' x 120' on location around the well head. Remediation will be completed in accordance with a remediation 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.

Signature: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 9-16-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5824
Facility Name	Trickey #002	Facility Type	Well location
Surface Owner	Fee	Mineral Owner	API No. 30-025-37216

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	18	20S	38E	660	North	1980	East	Lea

Latitude N 32.57844° Longitude W 103.18520°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	3 bbls oil, 10 bbls produced water	Volume Recovered	0 bbls
Source of Release	Over pressure on stuffing box caused packing to blow out at the well head	Date and Hour of Occurrence	08/28/2014	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?	Tomas Oberding, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	08/28/2014 @ 10:36 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 on the stuffing box caused the packing to blow out at the well head and spray 3 bbls of oil and 10 bbls of produced water onto the ground. No fluids were recovered and the packing was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 80' x 120' on location around the well head. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 10/22/2014.

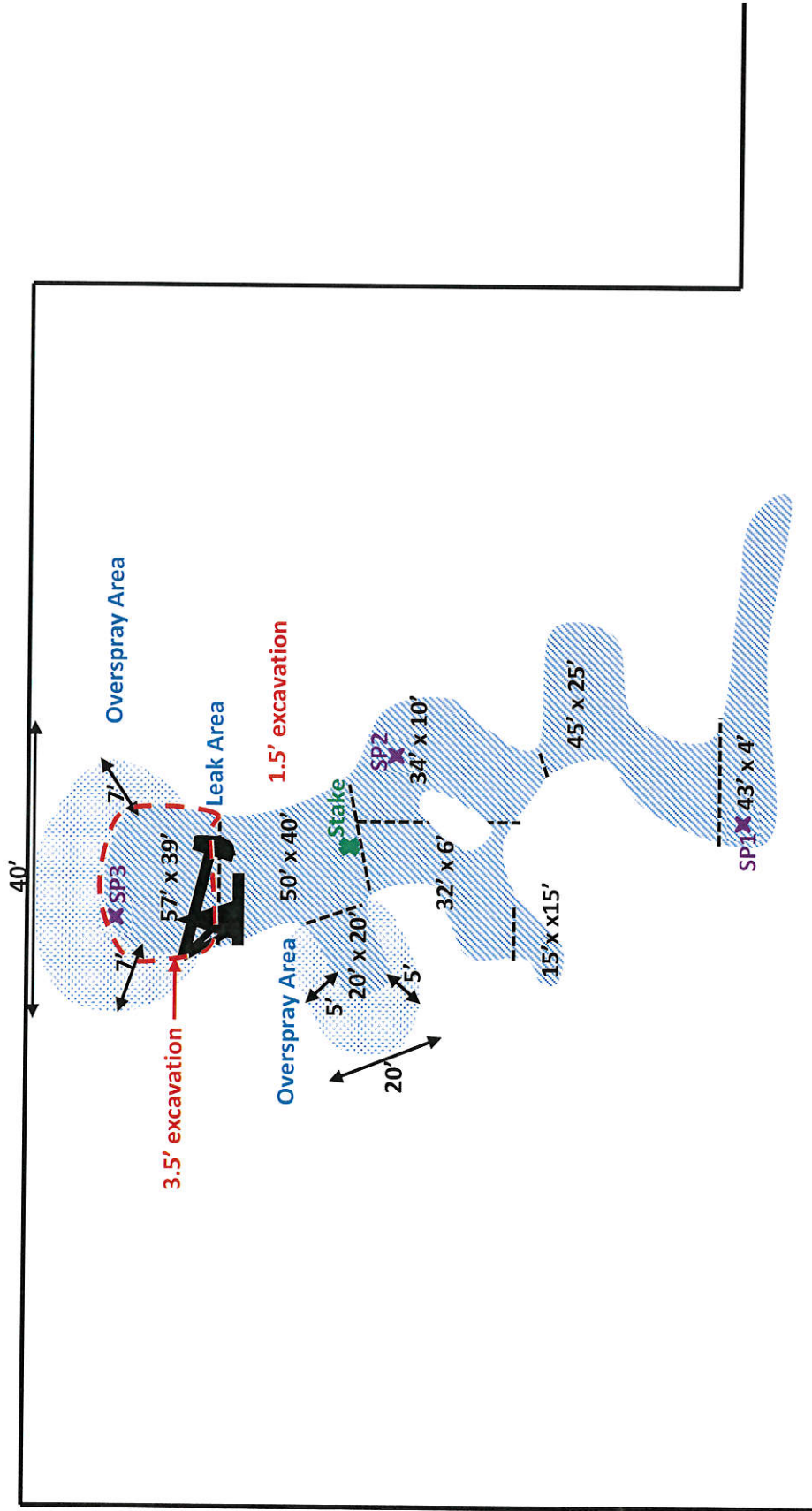
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Lead	Approval Date:	Expiration Date:	
E-mail Address: Chancey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>7-13-15</u>	Phone: (432) 685-5824		

* Attach Additional Sheets If Necessary



Oxy
Trickey #2



U/L B, Section 18, T20S, R38E
660' FNL & 1980' FEL
Lea County, NM
GPS at stake: N 32.57845° W 103.18568°
API# 30-025-37216

BBC International, Inc.	
Oxy	
Trickey #2	
Date: 09/08/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014

Groundwater Plot

Oxy Trickey #2

County
Lea

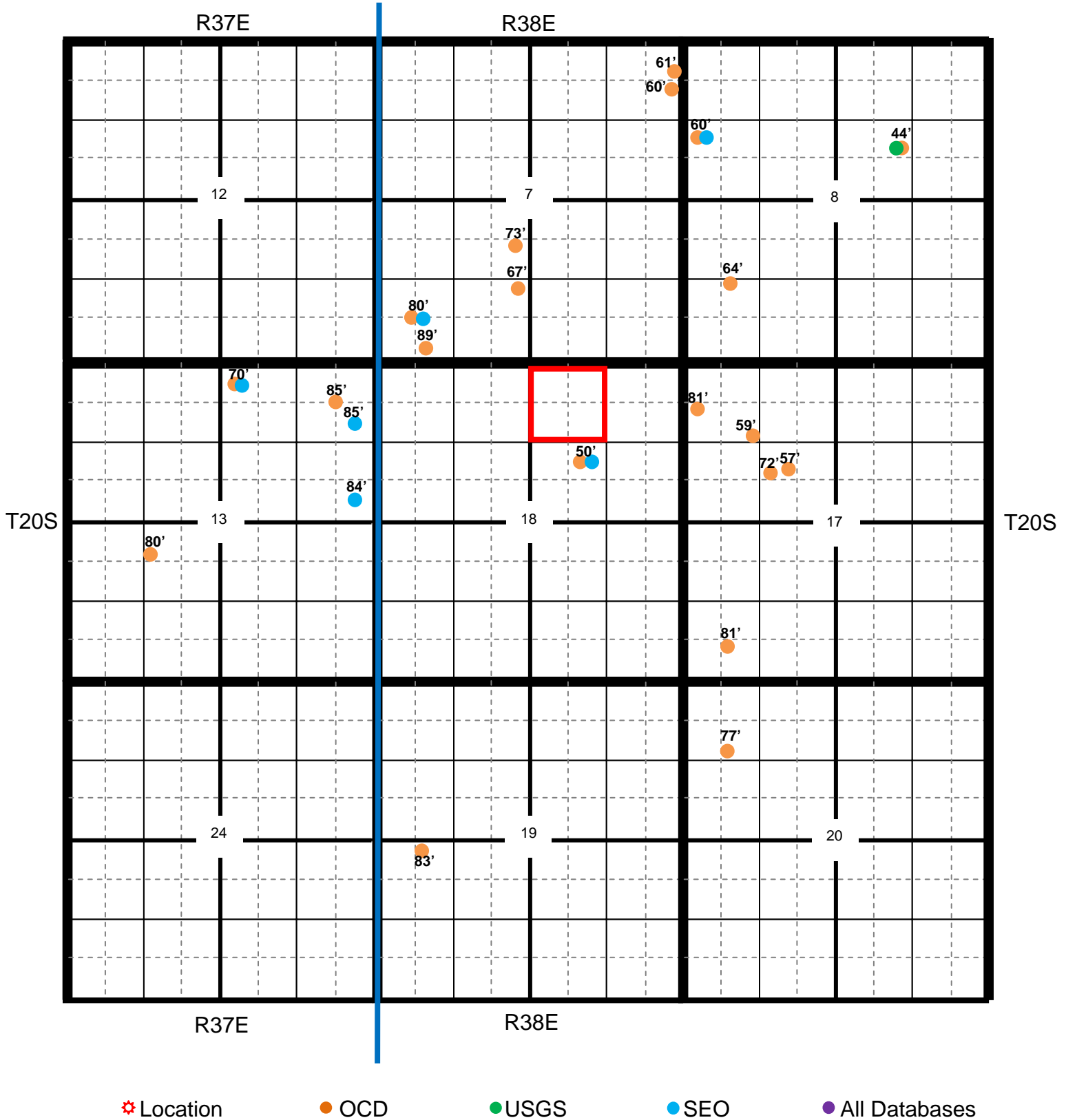
Unit Letter
B

Section
18

Township
20S

Range
38E

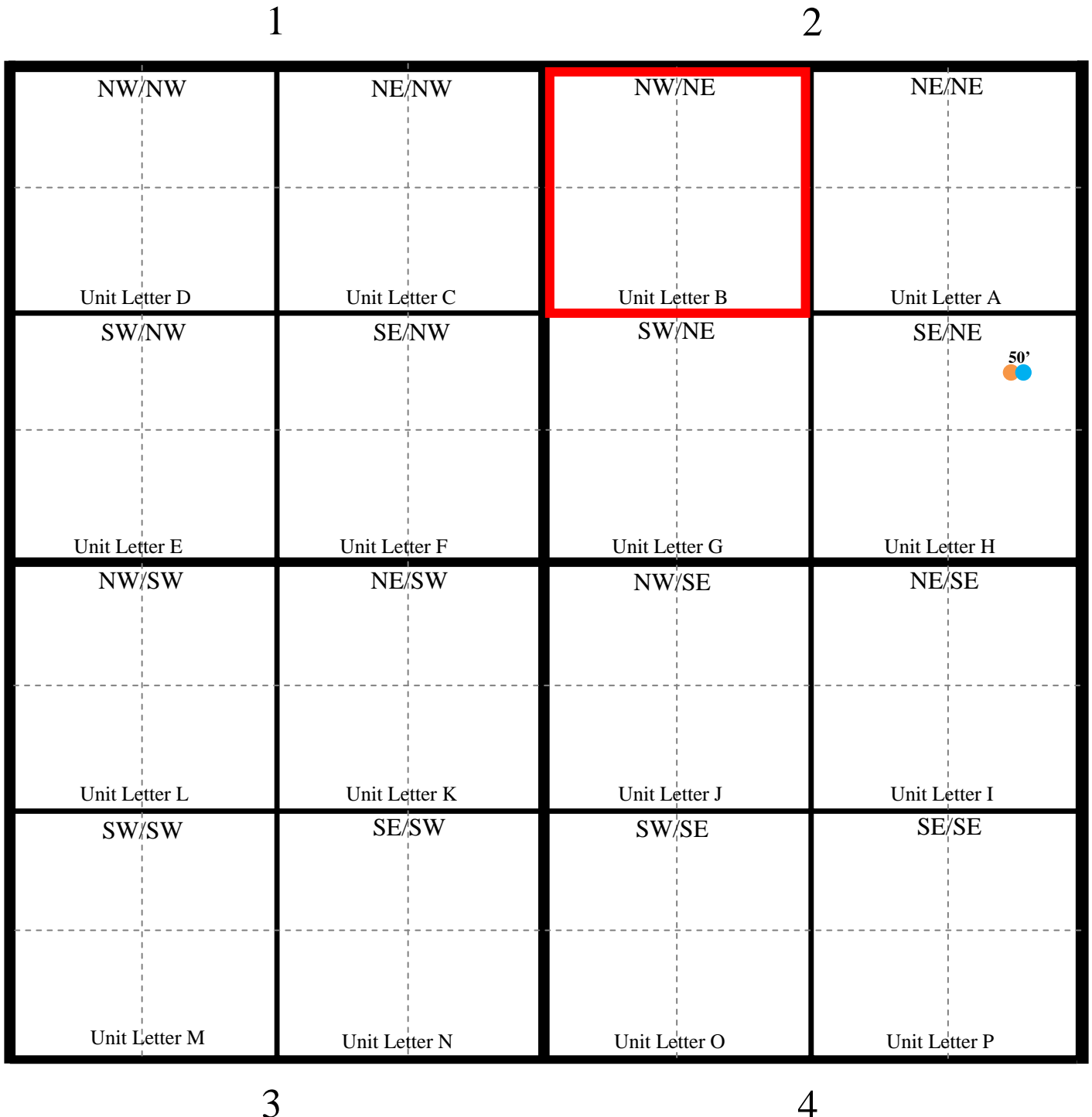
Trend Map 75'-100'



Oxy Trickey #2

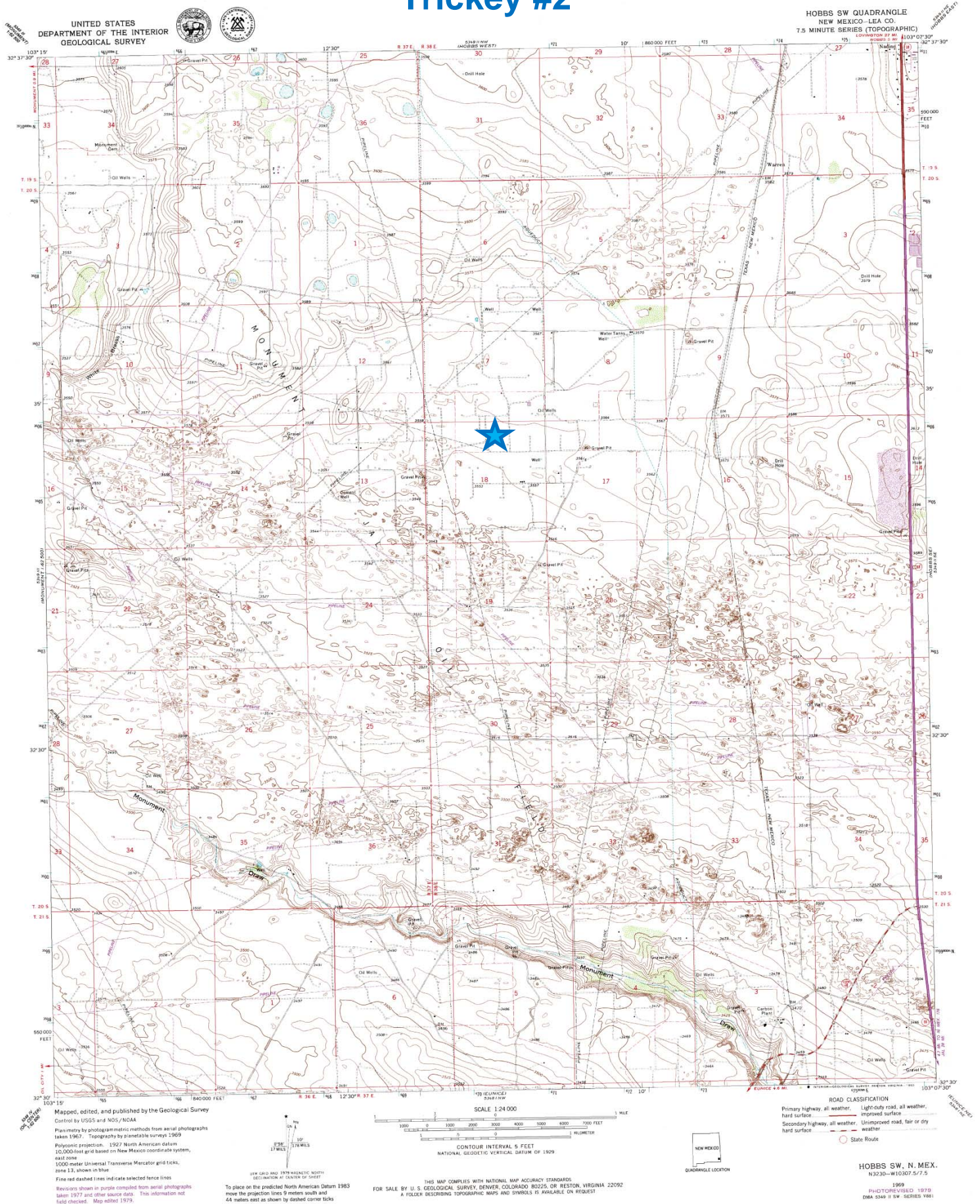
County	Unit Letter	Section	Township	Range
Lea	B	18	20S	38E

Trend Map 75'-100'



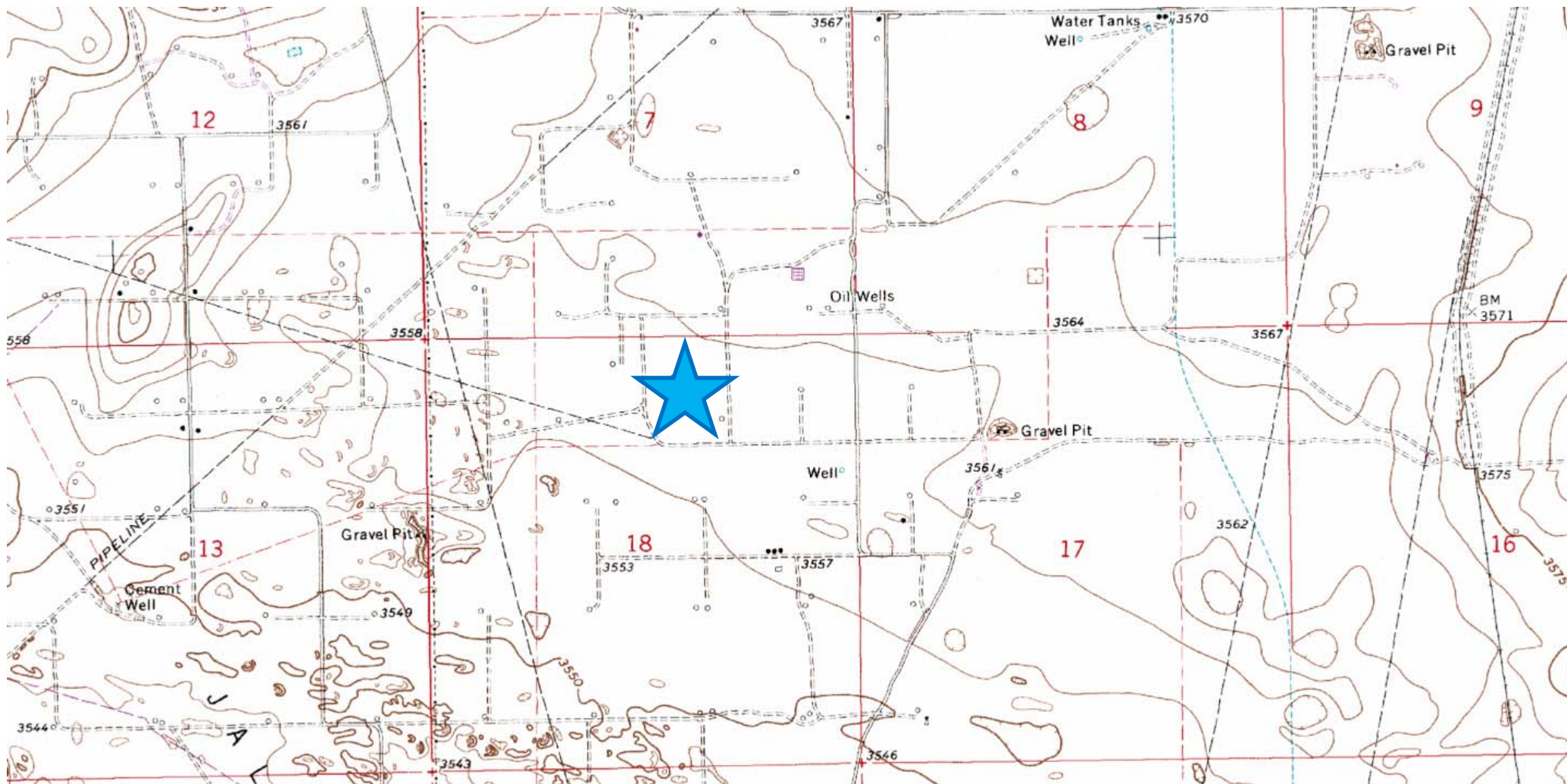
Oxy

Trickey #2



Oxy

Trickey #2



**Laboratory Analytical Results Summary
Trickey #2**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	9/15/14	9/15/14	9/15/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		5200	304	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	9/15/14	9/15/14	9/15/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		8800	512	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	9/15/14	9/15/14	9/15/14	10/6/14	10/6/14	10/6/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		2320	2040	1010	32	<16.0	16
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a



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

September 22, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TRICKEY #2

Enclosed are the results of analyses for samples received by the laboratory on 09/16/14 16:30.

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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H402876-01)

BTX 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	09/19/2014	ND	1.85	92.7	2.00	0.723	
Toluene*	<0.050	0.050	09/19/2014	ND	1.74	87.2	2.00	0.170	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.65	82.6	2.00	0.0482	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.91	81.9	6.00	0.0951	
Total BTX	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	5200	16.0	09/19/2014	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	<10.0	10.0	09/18/2014	ND	228	114	200	1.00	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	196	97.9	200	0.277	

Surrogate: 1-Chlorooctane 85.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.7 % 63.6-154

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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H402876-02)

BTX 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	09/19/2014	ND	1.85	92.7	2.00	0.723	
Toluene*	<0.050	0.050	09/19/2014	ND	1.74	87.2	2.00	0.170	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.65	82.6	2.00	0.0482	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.91	81.9	6.00	0.0951	
Total BTX	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/19/2014	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	<10.0	10.0	09/18/2014	ND	228	114	200	1.00	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	196	97.9	200	0.277	

Surrogate: 1-Chlorooctane 84.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.9 % 63.6-154

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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H402876-03)

BTX 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	09/19/2014	ND	1.85	92.7	2.00	0.723		
Toluene*	<0.050	0.050	09/19/2014	ND	1.74	87.2	2.00	0.170		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.65	82.6	2.00	0.0482		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.91	81.9	6.00	0.0951		
Total BTX	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 89.4-126

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	09/19/2014	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	<10.0	10.0	09/18/2014	ND	228	114	200	1.00	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	196	97.9	200	0.277	

Surrogate: 1-Chlorooctane 82.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.2 % 63.6-154

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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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H402876-04)

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	09/19/2014	ND	1.85	92.7	2.00	0.723		
Toluene*	<0.050	0.050	09/19/2014	ND	1.74	87.2	2.00	0.170		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.65	82.6	2.00	0.0482		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.91	81.9	6.00	0.0951		
Total BTEx	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	09/19/2014	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	<10.0	10.0	09/18/2014	ND	228	114	200	1.00	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	196	97.9	200	0.277	

Surrogate: 1-Chlorooctane 82.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.0 % 63.6-154

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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H402876-05)

BTX 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	09/19/2014	ND	1.85	92.7	2.00	0.723	
Toluene*	<0.050	0.050	09/19/2014	ND	1.74	87.2	2.00	0.170	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.65	82.6	2.00	0.0482	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.91	81.9	6.00	0.0951	
Total BTX	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	09/19/2014	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	<10.0	10.0	09/18/2014	ND	228	114	200	1.00	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	196	97.9	200	0.277	

Surrogate: 1-Chlorooctane 87.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.7 % 63.6-154

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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 4' (H402876-06)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2014	ND	1.75	87.5	2.00	9.29	
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77	
Total BTEx	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 89.4-126

Chloride, SM4500CI-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	09/19/2014	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	<10.0	10.0	09/18/2014	ND	228	114	200	1.00	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	196	97.9	200	0.277	

Surrogate: 1-Chlorooctane 77.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 73.9 % 63.6-154

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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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H402876-07)

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	09/19/2014	ND	1.75	87.5	2.00	9.29	
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77	
Total BTEx	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	09/19/2014	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	<10.0	10.0	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2' (H402876-08)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2014	ND	1.75	87.5	2.00	9.29	
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77	
Total BTEX	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	2040	16.0	09/19/2014	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	<10.0	10.0	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 82.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.7 % 63.6-154

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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: 09/16/2014
Reported: 09/22/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/15/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3' (H402876-09)

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	09/19/2014	ND	1.75	87.5	2.00	9.29		
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77		
Total BTEx	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	1010	16.0	09/19/2014	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	<10.0	10.0	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 86.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.3 % 63.6-154

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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

October 15, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TRICKEY #2

Enclosed are the results of analyses for samples received by the laboratory on 10/10/14 13:35.

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,



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: 10/10/2014
Reported: 10/15/2014
Project Name: TRICKEY #2
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/06/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: SP 3 @ 4' (H403124-01)

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	10/14/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 5' (H403124-02)

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	10/14/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 6' (H403124-03)

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	10/14/2014	ND	400	100	400	3.92	

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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

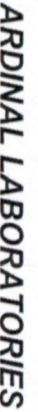
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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Kathy Purvis

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Sent: Wednesday, October 22, 2014 8:17 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY - Trickey #2 - Remediation Plan

Aloha Cliff,

Thank you for sending in this document.
Please consider this the OCD notice of receipt.

Based on the documentation provided, OCD approves the proposed plan.

Please keep me informed as the situation warrants.

Mahalo
-Doc

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240
(O): (575) 393-6161 ext 111
(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Tuesday, October 21, 2014 5:54 PM
To: Oberding, Tomas, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Trickey #2 - Remediation Plan

Tomas,

This e-mail is to confirm our conversation today, October 21, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. The agreed upon remediation plan is on the first page of the attachment along with the RP number per your previous request. This site is a State only jurisdiction location.

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.
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E-Mail: cbrunson@bbcinternational.com

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