

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

HOBBS OCD

JUL 18 2014

RECEIVED

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	Warren McKee Unit #501	Facility Type	Well
Surface Owner	Bob McCasland	Mineral Owner	
		API No.	30-025-07756

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	7	20S	38E	330	South	1650	East	Lea

Latitude N 32.58142° Longitude W 103.18430°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	6 bbls	Volume Recovered	0 bbls
Source of Release	Stuffing Box Packing Leak	Date and Hour of Occurrence	12/18/13	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?	Geoffrey Leking-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Rachel McPherson	Date and Hour	12/19/2013 @ 10:14 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.*

A stuffing box packing leak released 6 bbls of oil 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 50' and did leave location. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email 03/10/2014.

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:	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor: <i>Emmanuel Spaulding</i>		
Title: HES Specialist	Approval Date: 7-19-14	Expiration Date: _____	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval: _____	Attached <input type="checkbox"/>	
Date: 7-10-14 Phone: (575) 397-8216	7-14-3191		

* Attach Additional Sheets If Necessary

JUL 18 2014

Op'd 192463
770 1919 955162
770 1919 955365

Closure Report

HOBBS OCD

JUL 18 2014

Site Description	
Site Name:	Warren McKee Unit #501
Company:	Oxy Permian Ltd.
Legal Description:	U/O, Section 7, T20S, R38E
County:	Lea County, NM
GPS Coordinates:	N 32.58137° W 103.18452°

RECEIVED

Release Data	
Date of Release:	12/18/2013
Type of Release:	Oil
Source of Release:	Stuffing Box Packing Leak
Volume of Release:	6 bbls
Volume Recovered:	0 bbls

HOBBS OCD

JUL 18 2014

Remediation Specifications	
Remediation Parameters:	Excavate to a depth of 3.5' in all areas except the area around SP3. Surface scrape the area around SP3. Then, backfill the entire site with clean soil.
Remediation Activities:	05/30/2014 to 06/25/2014

RECEIVED

Plan Sent to OCD:	03/08/2014	Email from Cliff Brunson to Geoff Leking
OCD Approval of Plan:	03/10/2014	Email from Geoff Leking to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

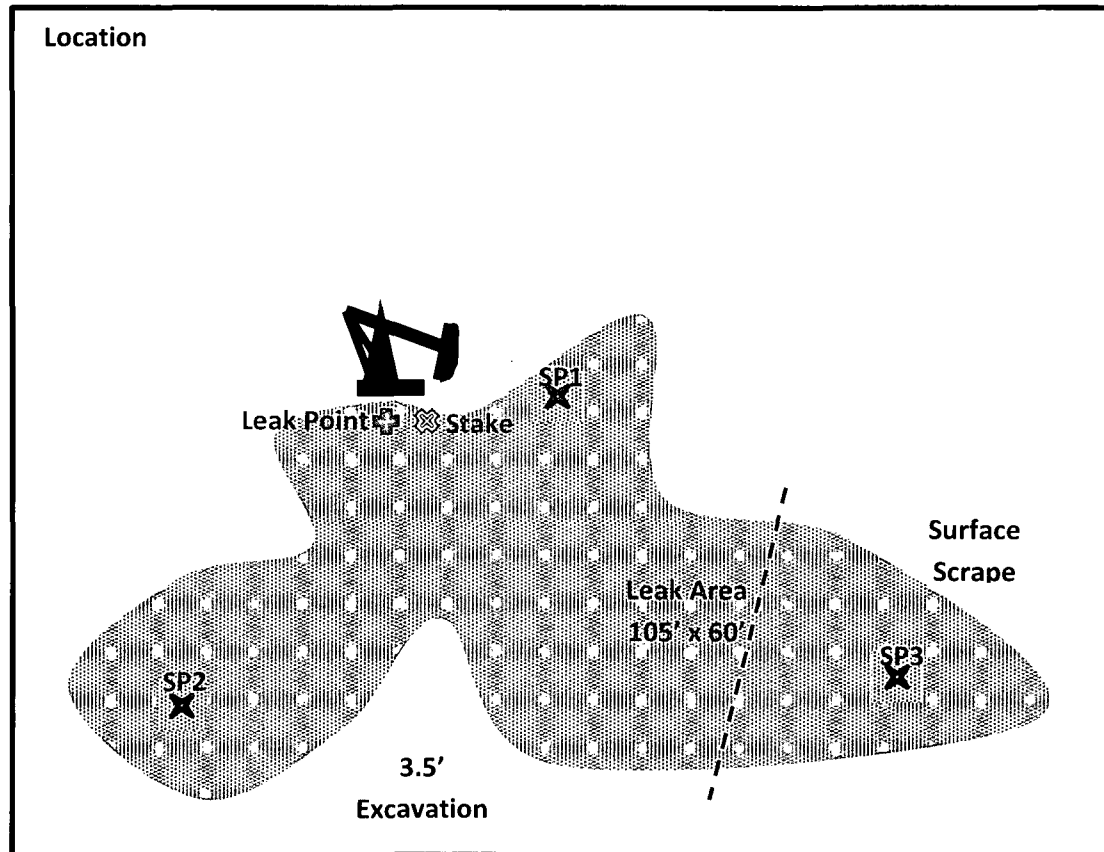
Supporting Documentation	
Initial C-141	Signed 12/20/2013
Final C-141	Signed 07/10/2014
Site Diagram	January 2014
Groundwater Plot	50'-75'
TOPO Maps	January 2014
Lab Summary	02/03/2014
Lab Analysis	02/03/2014
Correspondence	Request and approval of remediation plan via email

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.	07/16/2014



Oxy

Warren McKee Unit #501



U/L O, Section 7, T20S, R38

330' FSL, 1650' FEL

Lea County, NM

GPS at stake: N 32.58137° W 103.18452°

API# 30-025-07756

BBC International, Inc.

Oxy

Warren McKee Unit #501

Date: 01/03/2014

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013

Groundwater Plot

Oxy Warren McKee Unit #501

County
Lea

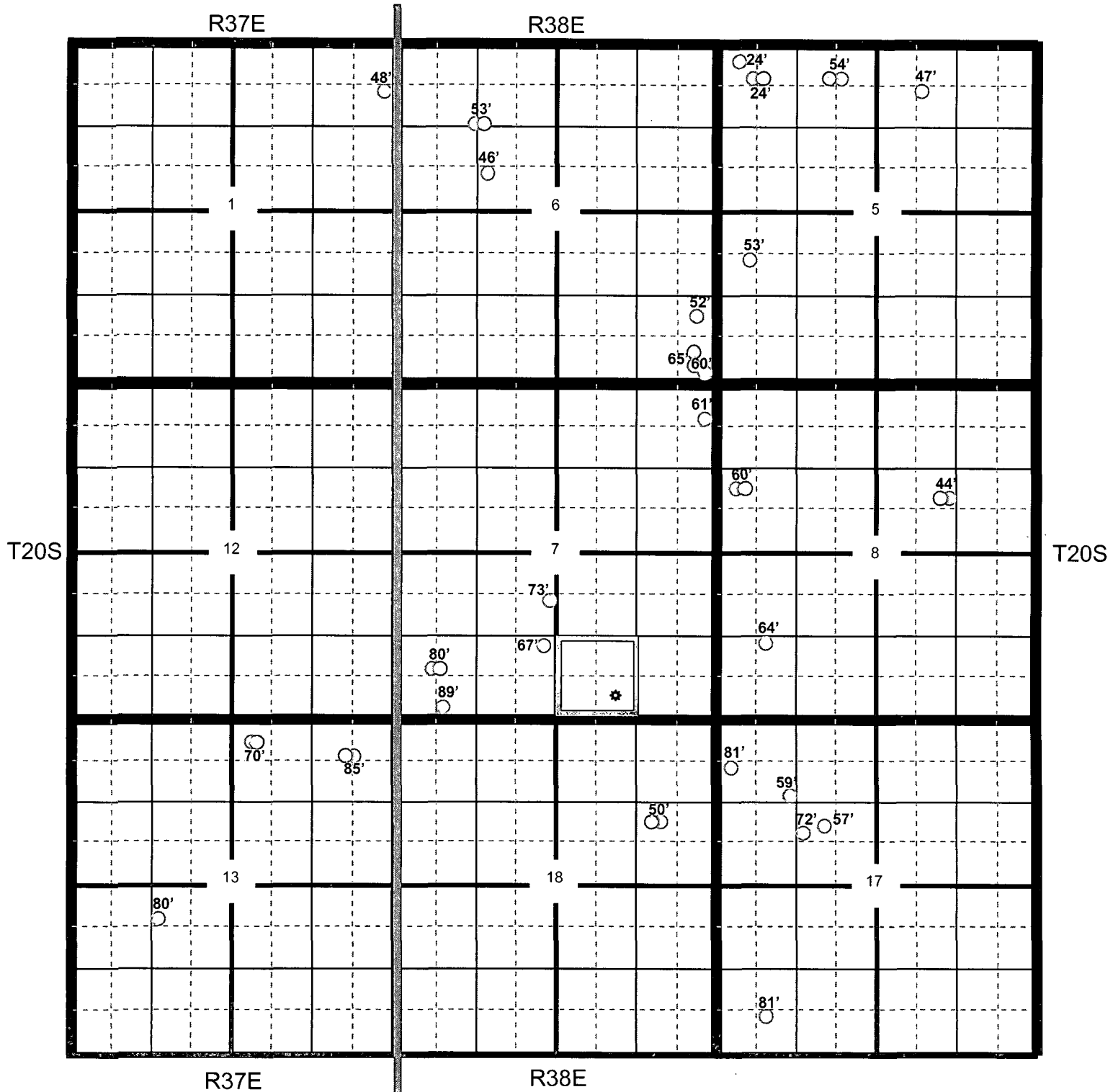
Unit Letter
O

Section
7

Township
20S

Range
38E

Trend Map 50'-75'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases

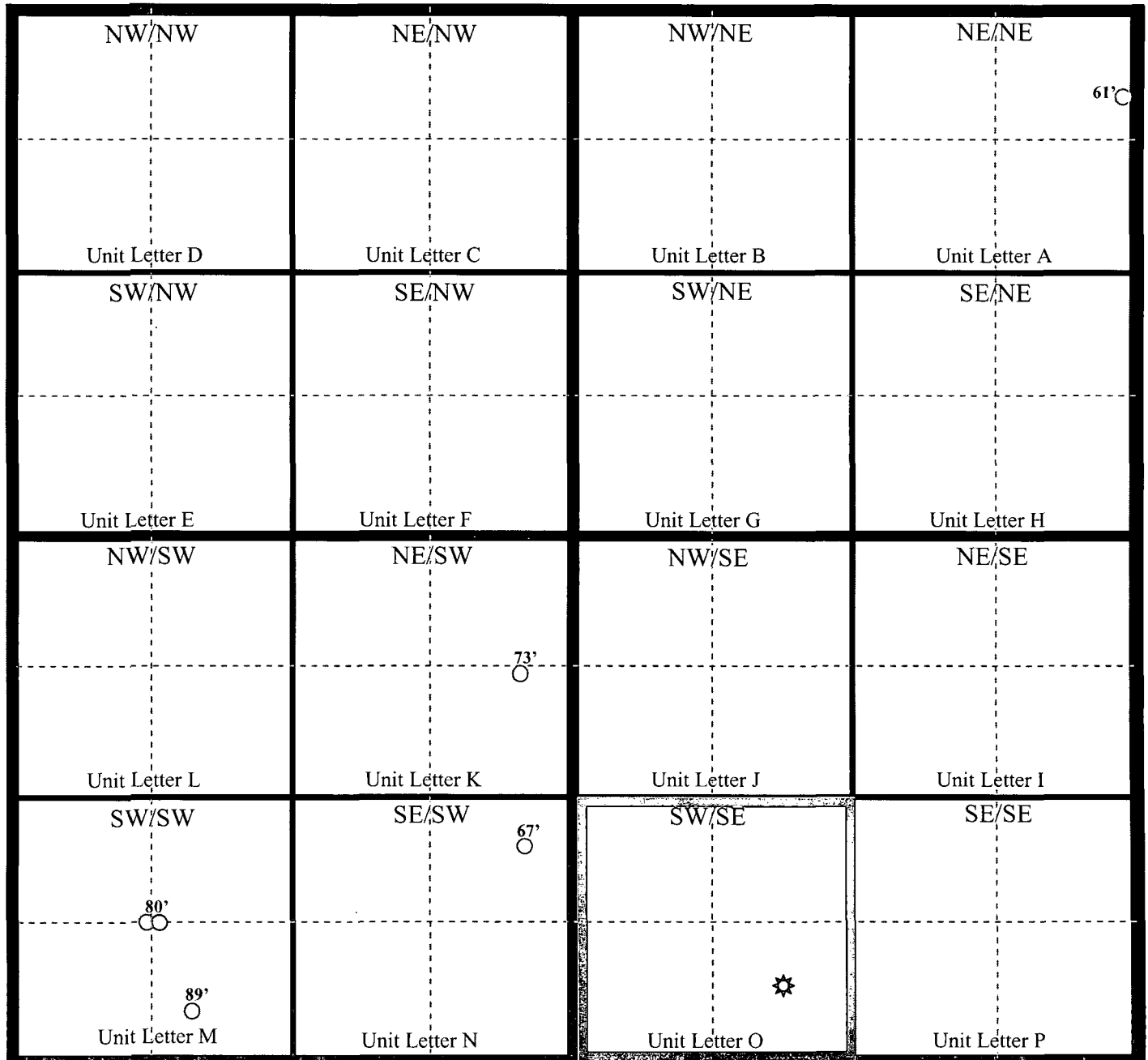
Oxy Warren McKee Unit #501

County	Unit Letter	Section	Township	Range
Lea	O	7	20S	38E

Trend Map 50'-75'

1

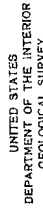
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3

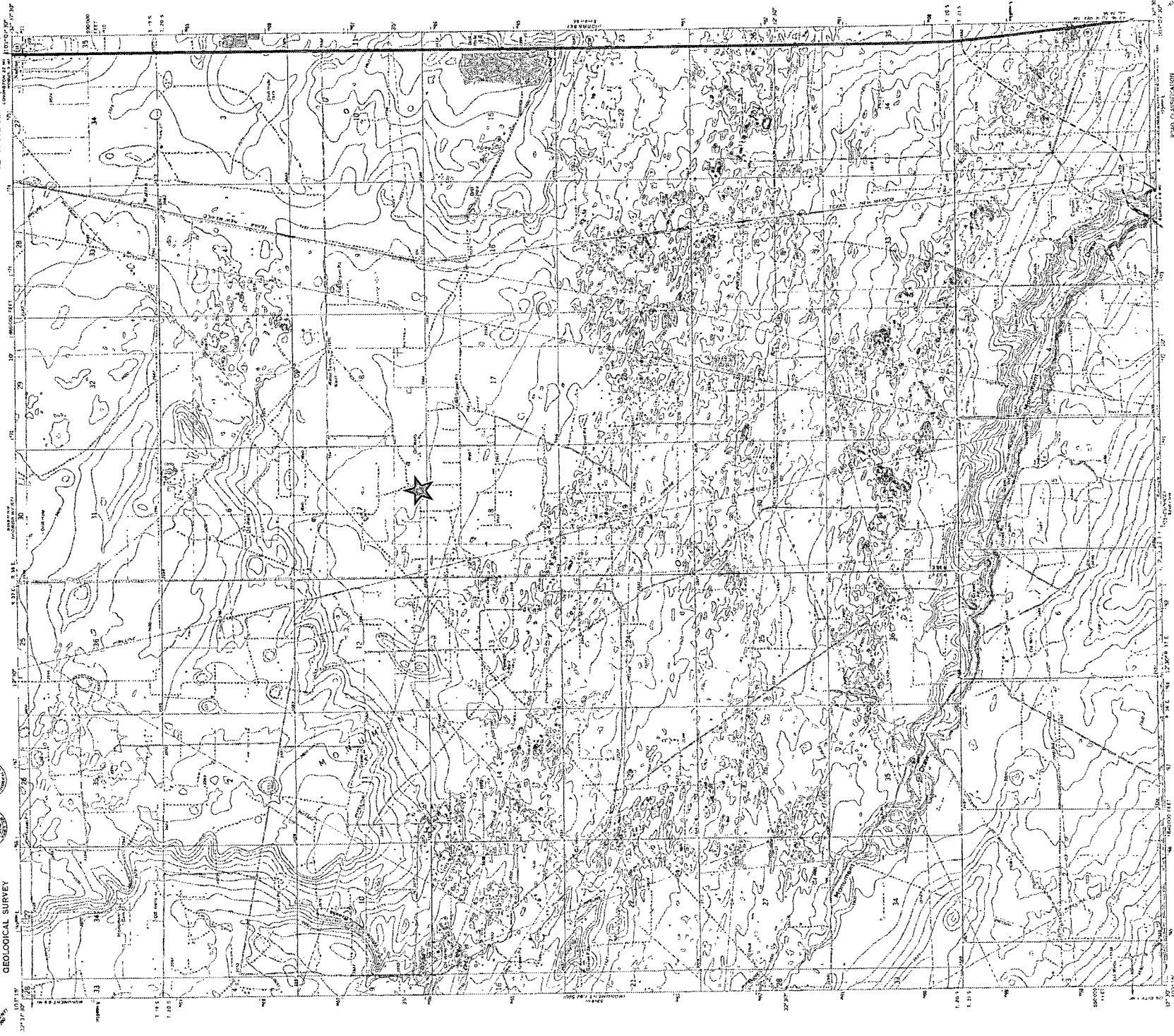
4

Warren McKee Unit #501



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOBBS SW QUADRANGLE
NEW MEXICO-LEA CO.
15 MINUTE SERIES (TOPOGRAPHIC)



315
 Edited, printed, and published by the Geological Survey
 Circular 2545A, U.S. GPO, WASH.
 Prepared by Professor Emeritus, Southwest Texas State University,
 San Marcos, Texas. Published by the Geological Survey, 1965.
 16 pages, 10 cm. Price \$0.50. (U.S. GPO, WASH., D.C.)
 (GPO: 1965-0-254-545A)

[illegible]

ROAD CLASSIFICATION

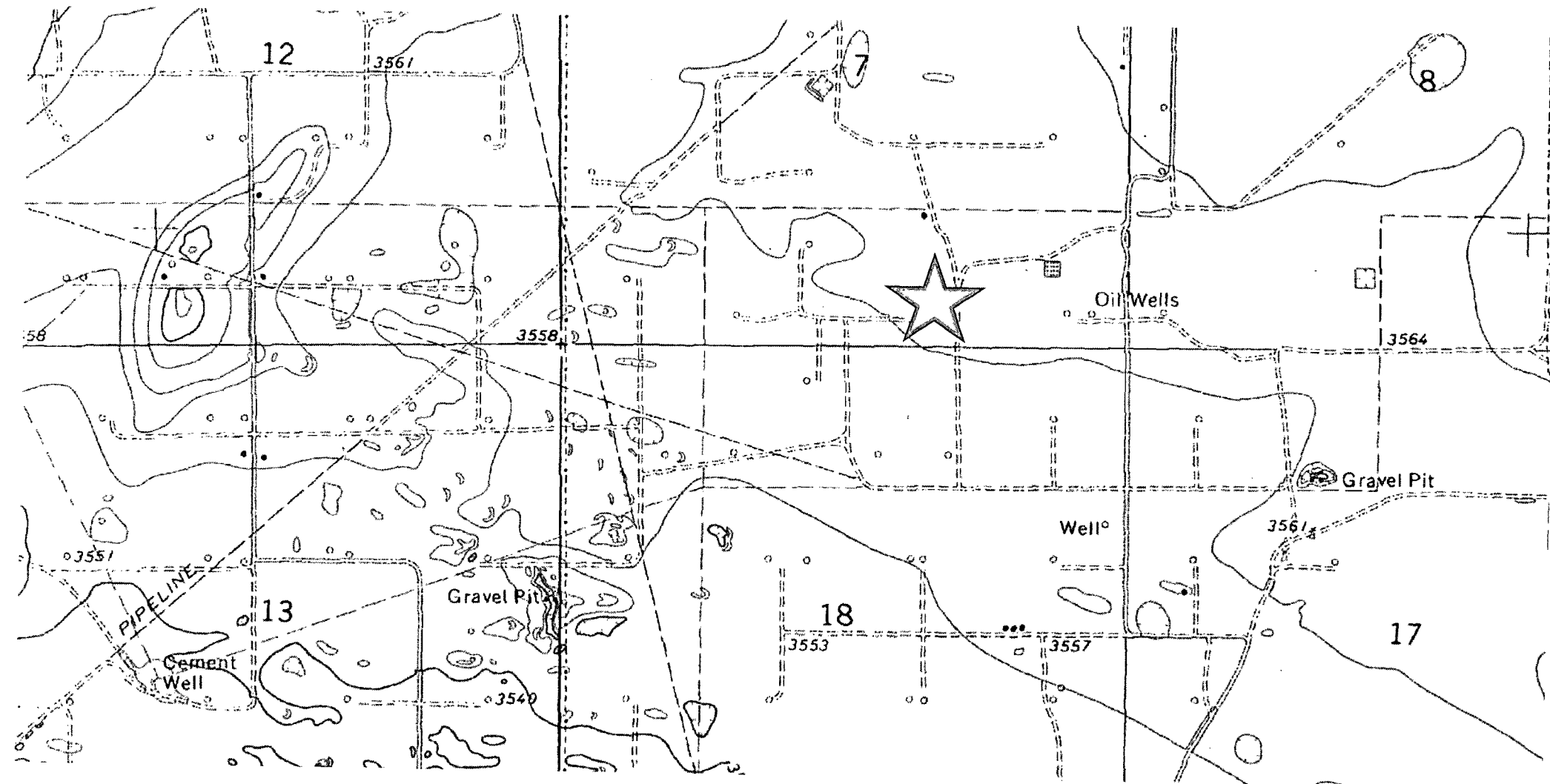
Primary Highway, all weather,	Light-duty road, all weather,
hard surface	improved surface
Secondary Highway, all weather,	Unimproved road, two or three
hard surface	feet wide

State Road

HOEHS SW, N.MEX
N 12 30-00000/ 57.0
1-00-2
UNCLASIFIED (SFO) 4-07-0
DHS 5140 H RW 147000 VMA1

Oxy

Warren McKee Unit #501



Laboratory Analytical Results Summary
Warren McKee Unit #501

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'
Analyte	Method	Date	2/3/14	2/3/14	2/3/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.100	<0.050
Toluene	BTEX 8021B		<0.050	0.336	<0.050
Ethylbenzene	BTEX 8021B		<0.050	0.398	<0.050
Total Xylenes	BTEX 8021B		<0.150	2.84	0.162
Total BTEX	BTEX 8021B		<0.300	3.58	<0.300
GRO	TPH 8015M		<10.0	116	<50.0
DRO	TPH 8015M		<10.0	14600	587

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'
Analyte	Method	Date	2/3/14	2/3/14	2/3/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.100	<0.100
Toluene	BTEX 8021B		<0.050	0.267	<0.100
Ethylbenzene	BTEX 8021B		<0.050	0.339	<0.100
Total Xylenes	BTEX 8021B		<0.150	2.47	<0.300
Total BTEX	BTEX 8021B		<0.300	3.08	<0.600
GRO	TPH 8015M		<10.0	<200	<10.0
DRO	TPH 8015M		14.5	12000	375

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'
Analyte	Method	Date	2/3/14	2/3/14	2/3/14
			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
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	11.6	339



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

February 11, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WARREN MCKEE #501

Enclosed are the results of analyses for samples received by the laboratory on 02/05/14 8:35.

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,

Caley 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: 02/05/2014
 Reported: 02/11/2014
 Project Name: WARREN MCKEE #501
 Project Number: NONE GIVEN
 Project Location: EUNICE, NEW MEXICO

 Sampling Date: 02/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400353-01)

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	02/10/2014	ND	2.28	114	2.00	3.13	
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10	
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89	
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95	
Total BTEX	<0.300	0.300	02/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 119 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 88.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.2 % 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:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 1 @ 3' (H400353-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/10/2014	ND	2.28	114	2.00	3.13	
Toluene*	0.336	0.100	02/10/2014	ND	2.24	112	2.00	3.10	
Ethylbenzene*	0.398	0.100	02/10/2014	ND	2.23	111	2.00	2.89	
Total Xylenes*	2.84	0.300	02/10/2014	ND	6.50	108	6.00	2.95	
Total BTEX	3.58	0.600	02/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 137 % 89.4-126

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	116	50.0	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	14600	50.0	02/06/2014	ND	194	97.0	200	1.81	

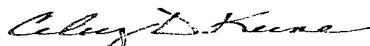
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 361 % 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: 02/05/2014
 Reported: 02/11/2014
 Project Name: WARREN MCKEE #501
 Project Number: NONE GIVEN
 Project Location: EUNICE, NEW MEXICO

 Sampling Date: 02/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 5' (H400353-03)

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	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	0.162	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 121 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	587	50.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 89.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 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:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 2 @ 1' (H400353-04)

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	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEx	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 118 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	14.5	10.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 91.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.7 % 63.6-154

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*=Accredited Analyte

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

Received: 02/05/2014
Reported: 02/11/2014
Project Name: WARREN MCKEE #501
Project Number: NONE GIVEN
Project Location: EUNICE, NEW MEXICO

Sampling Date: 02/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H400353-05)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/10/2014	ND	2.28	114	2.00	3.13	
Toluene*	0.267	0.100	02/10/2014	ND	2.24	112	2.00	3.10	
Ethylbenzene*	0.339	0.100	02/10/2014	ND	2.23	111	2.00	2.89	
Total Xylenes*	2.47	0.300	02/10/2014	ND	6.50	108	6.00	2.95	
Total BTEX	3.08	0.600	02/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 132 % 89.4-126

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	<200	200	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	12000	200	02/06/2014	ND	194	97.0	200	1.81	

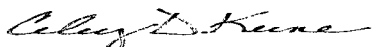
Surrogate: 1-Chlorooctane 108 % 63.2-140

Surrogate: 1-Chlorooctadecane 289 % 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:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 2 @ 5' (H400353-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.100	0.100	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.100	0.100	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.300	0.300	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.600	0.600	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 120 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	375	10.0	02/06/2014	ND	194	97.0	200	1.81		

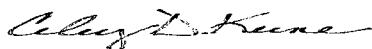
Surrogate: 1-Chlorooctane 86.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.9 % 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: 02/05/2014
 Reported: 02/11/2014
 Project Name: WARREN MCKEE #501
 Project Number: NONE GIVEN
 Project Location: EUNICE, NEW MEXICO

 Sampling Date: 02/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H400353-07)

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	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81	

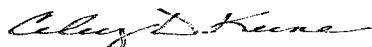
Surrogate: 1-Chlorooctane 92.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.0 % 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: 02/05/2014
Reported: 02/11/2014
Project Name: WARREN MCKEE #501
Project Number: NONE GIVEN
Project Location: EUNICE, NEW MEXICO

Sampling Date: 02/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3' (H400353-08)

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	02/11/2014	ND	2.34	117	2.00	4.12		
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68		
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18		
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04		
Total BTEX	<0.300	0.300	02/11/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 117 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	11.6	10.0	02/06/2014	ND	194	97.0	200	1.81	

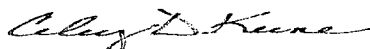
Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.0 % 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:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 3 @ 5' (H400353-09)

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	02/11/2014	ND	2.34	117	2.00	4.12		
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68		
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18		
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04		
Total BTEX	<0.300	0.300	02/11/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 119 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	339	10.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 89.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.5 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

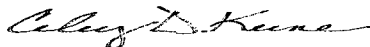
Notes and Definitions

- 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

Cardinal Laboratories

* = Accredited Analyte

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Celest 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

Page 12 of 12

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:		<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>City: Hobbs State: NM Zip: 88241</p> <p>Phone #: 575-397-6388 Fax #: 575-397-0397</p> <p>Project #: Project Owner: OKY</p> <p>Project Name: WARREN McKee # 501</p> <p>Project Location: EUNICE NM</p> <p>Sampler Name: Roger Hernandez</p> </div> <div style="width: 50%;"> <p>Company:</p> <p>Attn:</p> <p>Address: SAME</p> <p>City:</p> <p>State: Zip:</p> <p>Phone #:</p> <p>Fax #:</p> </div> </div>											
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn:													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: SAME													
Project #: Project Owner: OKY		City:													
Project Name: WARREN McKee # 501		State: Zip:													
Project Location: EUNICE NM		Phone #:													
Sampler Name: Roger Hernandez		Fax #:													

FOR LAB USE ONLY		GRAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	T PH	BTEX
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
H4003523																	
1	SP 1 @ 1'													2-3-14	851		
2	3'													2-3-14	942		
3	5'													2-3-14	1024		
4	SP 2 @ 1'													2-3-14	1058		
5	3'													2-3-14	1147		
6	5'													2-3-14	1250		
7	SP 3 @ 1'													2-3-14	146		
8	3'													2-3-14	225		
9	5'													2-3-14	315		

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Relinquished By: <i>Roger Hernandez</i>	Date: 2-5-14 Time: 8:35	Received By: <i>Jodi Munson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			REMARKS:	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			CHECKED BY: <i>JA</i>	

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

#54

Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Monday, March 10, 2014 7:26 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Warren McKee Unit #501-Remediation Plan

Cliff

As per the below email and attachment as well as our meeting of 3/6/14, the remediation plan for the Warren McKee #501 is approved.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Saturday, March 08, 2014 5:44 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Warren McKee Unit #501-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on March 6, 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 3.5 feet in the leak area that is depicted on the attached site diagram (diagram is incorrect as it says 3 feet) then the remaining area of the spill will be surface scraped as depicted on the 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.
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

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Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Tuesday, March 11, 2014 9:29 AM
To: Cliff P. Brunson
Cc: Chancey_Summers@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Cliff

Thank you. I had no record of discussing surface scraping here. I did review the data and saw that only surface scraping was appropriate before I sent the prior email. I should have worded comment 3 more appropriately. Surface scraping at the SP3 location is approved. Thank you.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leking@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Monday, March 10, 2014 7:59 PM
To: Leking, Geoffrey R, EMNRD
Cc: Chancey_Summers@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Geoff,

Here are my comments to your 3 points below:

1. We will collect a sample at 7.5 feet to verify TPH is below the RRAL.
2. The entire spill area will be excavated to 2 feet and lined as requested.
3. If you would please review the lab data associated with SP3 again. There is no need to excavate this area to 3.5 feet. We respectfully ask you to reconsider as you and I had discussed to only conduct surface scraping in this area. Please advise.

Thank you,

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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Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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From: Geoffrey Leking <geoffreyr.leting@state.nm.us>

Date: Monday, March 10, 2014 10:19 AM

To: Cliff Brunson <cbrunson@bbcinternational.com>

Cc: C J Summers <Chancey_Summers@oxy.com>

Subject: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Cliff

- 1) MLMU #139 - Please collect a sample at 7.5' for TPH to verify that the concentration remained below the RRAL at this depth.
- 2) Gillully B Fed #18 - Please excavate to 2' and line @ SP1 as you are planning to do at SP2 and SP3. Please clarify if this is not possible.
- 3) Warren McKee Unit #501 - Please verify that you are excavating to 3.5' across the entire site as the figure displays only scraping at the SP3 area.

Thank you.

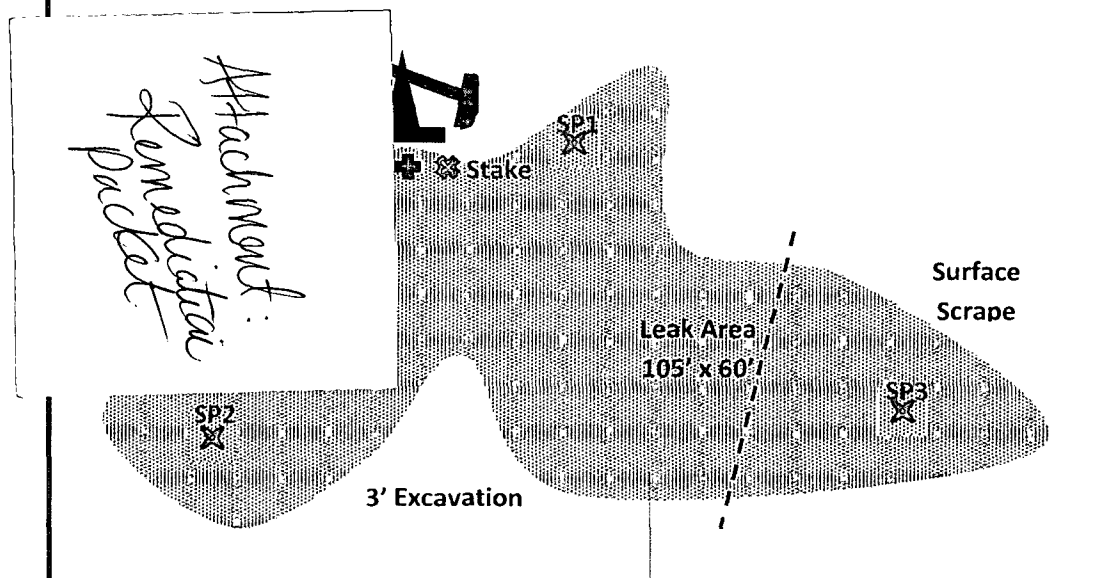
Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us



Oxy

Warren McKee Unit #501

Location



U/L O, Section 7, T20S, R38

330' FSL, 1650' FEL

Lea County, NM

GPS at stake: N 32.58137° W 103.18452°

API# 30-025-07756

BBC International, Inc.

Oxy

Warren McKee Unit #501

Date: 01/03/2014

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Warren McKee Unit #501

County
Lea

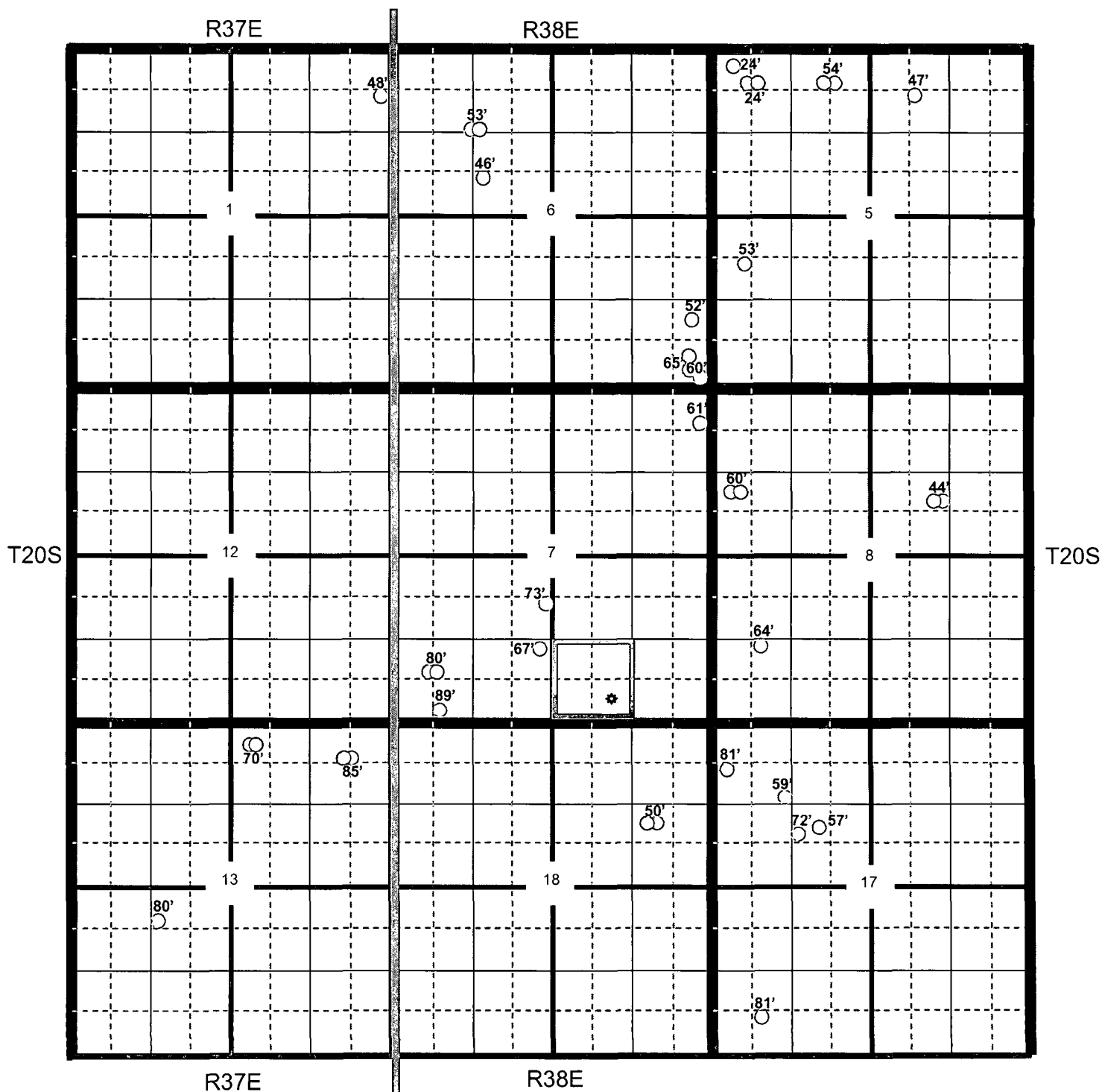
Unit Letter
O

Section
7

Township
20S

Range
38E

Trend Map 50'-75'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters

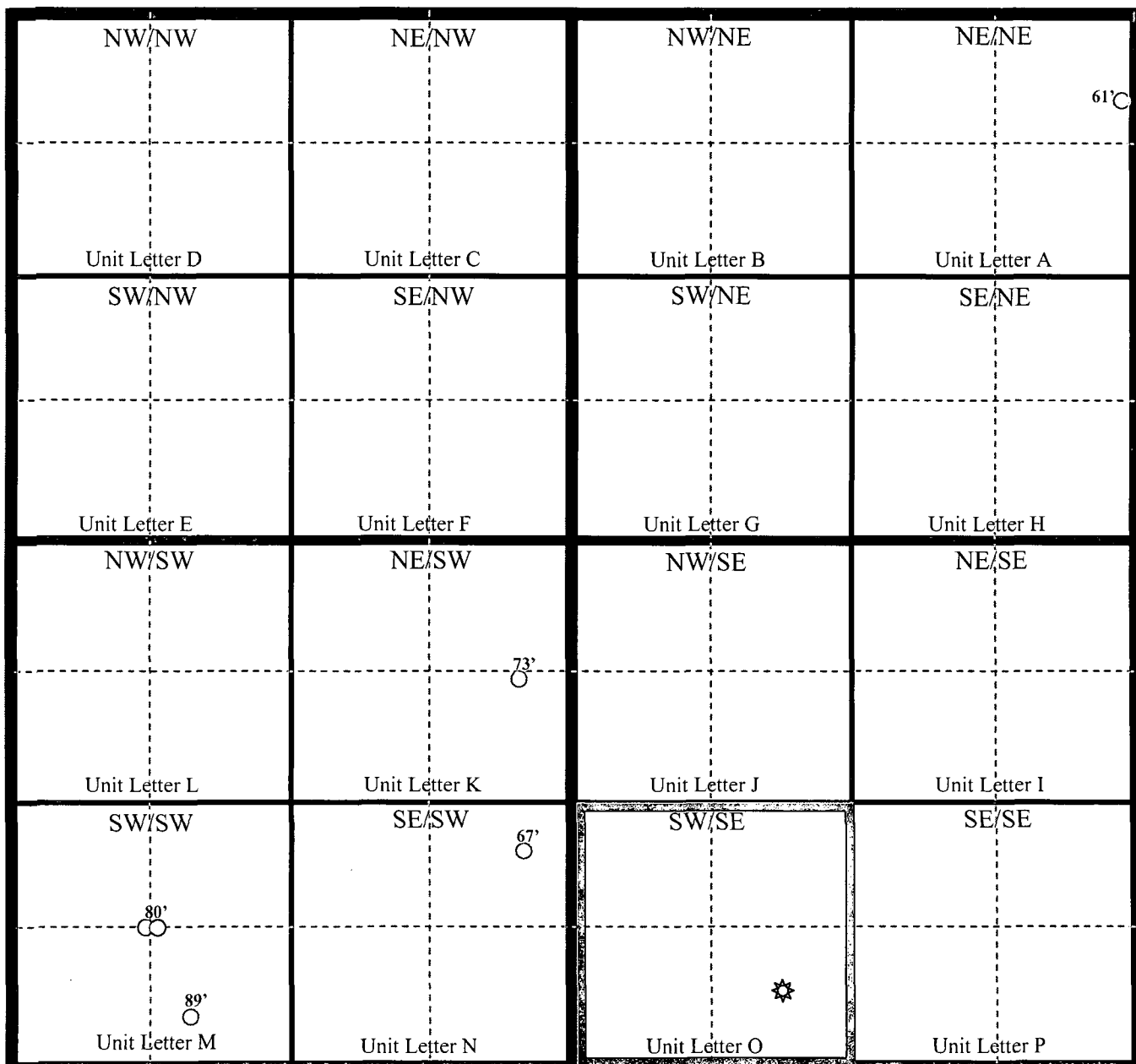
Oxy Warren McKee Unit #501

County Unit Letter Section Township Range
Lea O 7 20S 38E

Trend Map 50'-75'

1

2



3

4

⊛ Location ⊙ OCD ⊙ USGS ⊙ SEO ● All Databases

**Laboratory Analytical Results Summary
Warren McKee Unit #501**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'
Analyte	Method	Date	2/3/14	2/3/14	2/3/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.100	<0.050
Toluene	BTEX 8021B		<0.050	0.336	<0.050
Ethylbenzene	BTEX 8021B		<0.050	0.398	<0.050
Total Xylenes	BTEX 8021B		<0.150	2.84	0.162
Total BTEX	BTEX 8021B		<0.300	3.58	<0.300
GRO	TPH 8015M		<10.0	116	<50.0
DRO	TPH 8015M		<10.0	14600	587

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'
Analyte	Method	Date	2/3/14	2/3/14	2/3/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.100	<0.100
Toluene	BTEX 8021B		<0.050	0.267	<0.100
Ethylbenzene	BTEX 8021B		<0.050	0.339	<0.100
Total Xylenes	BTEX 8021B		<0.150	2.47	<0.300
Total BTEX	BTEX 8021B		<0.300	3.08	<0.600
GRO	TPH 8015M		<10.0	<200	<10.0
DRO	TPH 8015M		14.5	12000	375

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'
Analyte	Method	Date	2/3/14	2/3/14	2/3/14
			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
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	11.6	339

February 11, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WARREN MCKEE #501

Enclosed are the results of analyses for samples received by the laboratory on 02/05/14 8:35.

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.

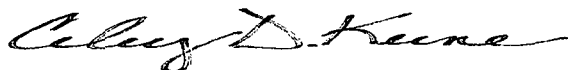
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 02/05/2014
Reported: 02/11/2014
Project Name: WARREN MCKEE #501
Project Number: NONE GIVEN
Project Location: EUNICE, NEW MEXICO

Sampling Date: 02/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400353-01)

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	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEx	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81	

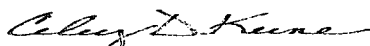
Surrogate: 1-Chlorooctane 88.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.2 % 63.6-154

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Received: 02/05/2014
Reported: 02/11/2014
Project Name: WARREN MCKEE #501
Project Number: NONE GIVEN
Project Location: EUNICE, NEW MEXICO

Sampling Date: 02/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H400353-02)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/10/2014	ND	2.28	114	2.00	3.13	
Toluene*	0.336	0.100	02/10/2014	ND	2.24	112	2.00	3.10	
Ethylbenzene*	0.398	0.100	02/10/2014	ND	2.23	111	2.00	2.89	
Total Xylenes*	2.84	0.300	02/10/2014	ND	6.50	108	6.00	2.95	
Total BTX	3.58	0.600	02/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 137 % 89.4-126

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	116	50.0	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	14600	50.0	02/06/2014	ND	194	97.0	200	1.81	

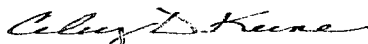
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 361 % 63.6-154

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Received:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 1 @ 5' (H400353-03)

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	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	0.162	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 121 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	587	50.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 89.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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Received: 02/05/2014
Reported: 02/11/2014
Project Name: WARREN MCKEE #501
Project Number: NONE GIVEN
Project Location: EUNICE, NEW MEXICO

Sampling Date: 02/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H400353-04)

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	02/10/2014	ND	2.28	114	2.00	3.13	
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10	
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89	
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95	
Total BTEX	<0.300	0.300	02/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	14.5	10.0	02/06/2014	ND	194	97.0	200	1.81	

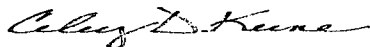
Surrogate: 1-Chlorooctane 91.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.7 % 63.6-154

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Received:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 2 @ 3' (H400353-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/10/2014	ND	2.28	114	2.00	3.13	
Toluene*	0.267	0.100	02/10/2014	ND	2.24	112	2.00	3.10	
Ethylbenzene*	0.339	0.100	02/10/2014	ND	2.23	111	2.00	2.89	
Total Xylenes*	2.47	0.300	02/10/2014	ND	6.50	108	6.00	2.95	
Total BTEX	3.08	0.600	02/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 89.4-126

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	<200	200	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	12000	200	02/06/2014	ND	194	97.0	200	1.81		

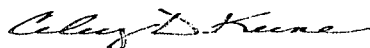
Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 289 % 63.6-154

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 2 @ 5' (H400353-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.100	0.100	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.100	0.100	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.300	0.300	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.600	0.600	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 120 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	375	10.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 86.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.9 % 63.6-154

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Received:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 3 @ 1' (H400353-07)

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	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTX	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 116 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 92.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.0 % 63.6-154

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Received:	02/05/2014	Sampling Date:	02/03/2014
Reported:	02/11/2014	Sampling Type:	Soil
Project Name:	WARREN MCKEE #501	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NEW MEXICO		

Sample ID: SP 3 @ 3' (H400353-08)

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	02/11/2014	ND	2.34	117	2.00	4.12		
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68		
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18		
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04		
Total BTEX	<0.300	0.300	02/11/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 117 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	11.6	10.0	02/06/2014	ND	194	97.0	200	1.81		

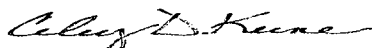
Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.0 % 63.6-154

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 Received: 02/05/2014
 Reported: 02/11/2014
 Project Name: WARREN MCKEE #501
 Project Number: NONE GIVEN
 Project Location: EUNICE, NEW MEXICO

 Sampling Date: 02/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 5' (H400353-09)

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	02/11/2014	ND	2.34	117	2.00	4.12	
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18	
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 119 % 89.4-126

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	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	339	10.0	02/06/2014	ND	194	97.0	200	1.81	

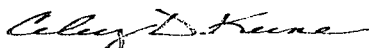
Surrogate: 1-Chlorooctane 89.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.5 % 63.6-154

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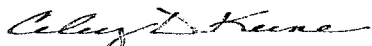
Notes and Definitions

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

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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.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>											
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn:													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: SAME													
Project #: Project Owner: OKY		City:													
Project Name: WARREN McKee # 501		State: Zip:													
Project Location: EUNICE NM		Phone #:													
Sampler Name: ROGER HERNANDEZ		Fax #:													

FOR LAB USE ONLY		GIRAB OR (COMP. #)	# CONTAINERS	MATRIX					PRESERV			SAMPLING		DATE	TIME	TPH	BTEX
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER					
H4003513																	
1	SP 1 @ 1'					✓				✓			2-3-14	851	✓	✓	
2	3'					✓				✓			2-3-14	942	✓	✓	
3	5'					✓				✓			2-3-14	1024	✓	✓	
4	SP 2 @ 1'					✓				✓			2-3-14	1058	✓	✓	
5	3'					✓				✓			2-3-14	1127	✓	✓	
6	5'					✓				✓			2-3-14	1250	✓	✓	
7	SP 3 @ 1'					✓				✓			2-3-14	146	✓	✓	
8	3'					✓				✓			2-3-14	225	✓	✓	
9	5'					✓				✓			2-3-14	315	✓	✓	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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: ROGER HERNANDEZ	Date: 2-3-14 Time: 8:35	Received By: Jodi Munson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -0.8			REMARKS:	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (initials) JH		

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

#54

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

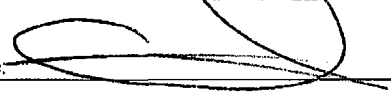
Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Warren McKee Unit #501	Facility Type	Well
Surface Owner	Bob McCasland	Mineral Owner	
		API No.	30-025-07756

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	7	20S	38E	330	South	1650	East	Lea

Latitude N 32.58142° Longitude W 103.18430°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	6 bbls	Volume Recovered	0 bbls
Source of Release	Stuffing Box Packing Leak	Date and Hour of Occurrence	12/18/13	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?	Geoffrey Leking-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Rachel McPherson	Date and Hour	12/19/2013 @ 10:14 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.*					
A stuffing box packing leak released 6 bbls of oil 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 50' and did leave location. Remediation will completed in accordance with a remediation plan approved by NMOCD and the 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: 		OIL CONSERVATION DIVISION			
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: 12-20-13		Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary