

Closure Report

RECEIVED

MAR 27 2014

NMOCD ARTESIA

Site Description

Site Name:	Old Ranch Canyon 7 Federal #5Y
Company:	Oxy Permian Ltd.
Legal Description:	U/L C, Section 7, T22S, R24E
County:	Eddy County, NM
GPS Coordinates:	N 32.40937° W 103.53740°

Release Data

Date of Release:	12/20/2013
Type of Release:	Produced water
Source of Release:	Failure of a Victaulic clamp on a 1.5" steel line
Volume of Release:	15 bbls
Volume Recovered:	5 bbls

Remediation Specifications

Remediation Parameters:	Excavate to a depth of 3 to 6 inches across the entire leak area. Then, backfill the site with clean soil.
Remediation Activities:	03/03/2014 to 03/13/2014

Plan Sent to OCD:	02/20/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	Verbal	Verbal approval from Bratcher to Brunson
Plan Sent to BLM:	02/20/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	02/24/2014	Email from J. Van Curen to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 01/09/2014
Final C-141	Signed 03/20/2014
Site Diagram	January 2014
Groundwater Plot	75'
TOPO Maps	January 2014
Lab Summary	01/23/2014
Lab Analysis	01/23/2014
Correspondence	Request and approval of remediation plan via email

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

03/24/2014

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	Old Ranch Canyon 7 Federal #5y	Facility Type	Well Location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-30653

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	7	22S	24E	1315	North	2315	West	Eddy County, NM

Latitude N 32.40886° Longitude W 104.53740°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	15 bbls	Volume Recovered	5 bbls
Source of Release	Failure of a Victaulic clamp on a 1.5" steel line	Date and Hour of Occurrence	12/20/2013	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?	M. Bratcher, J.M. Warren- OCD, J. Amos, J. Van Curen- BLM		
By Whom?	Christopher Jones	Date and Hour	12/20/2013 @ 3:33 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.*

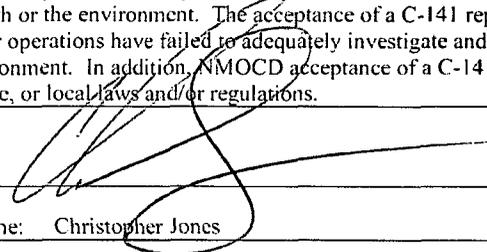
The failure of a Victaulic clamp on a 1.5" steel line caused 15 bbls of produced water to leak onto the ground. 5 bbls of produced water were recovered via vacuum truck and the clamp was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 50' x 150'. Remediation will be completed in accordance with a 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.

OIL CONSERVATION DIVISION

Signature:			
Printed Name: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1/9/14	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources

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Form C-141
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District Office in accordance
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OPERATOR Initial Report Final Report

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Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Old Ranch Canyon 7 Federal #5y	Facility Type	Well Location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-30653

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	7	22S	24E	1315	North	2315	West	Eddy County, NM

Latitude N 32.40886° Longitude W 104.53740°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	15 bbls	Volume Recovered	5 bbls
Source of Release	Failure of a Victaulic clamp on a 1.5" steel line	Date and Hour of Occurrence	12/20/2013	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?	M. Bratcher, J.M. Warren- OCD, J. Amos, J. Van Curen- BLM		
By Whom?	Christopher Jones	Date and Hour	12/20/2013 @ 3:33 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.*
The failure of a Victaulic clamp on a 1.5" steel line caused 15 bbls of produced water to leak onto the ground. 5 bbls of produced water were recovered via vacuum truck and the clamp was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 50' x 150'. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via verbal approval and approved by Jennifer Van Curen of the BLM via email on 02/24/2014.

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.

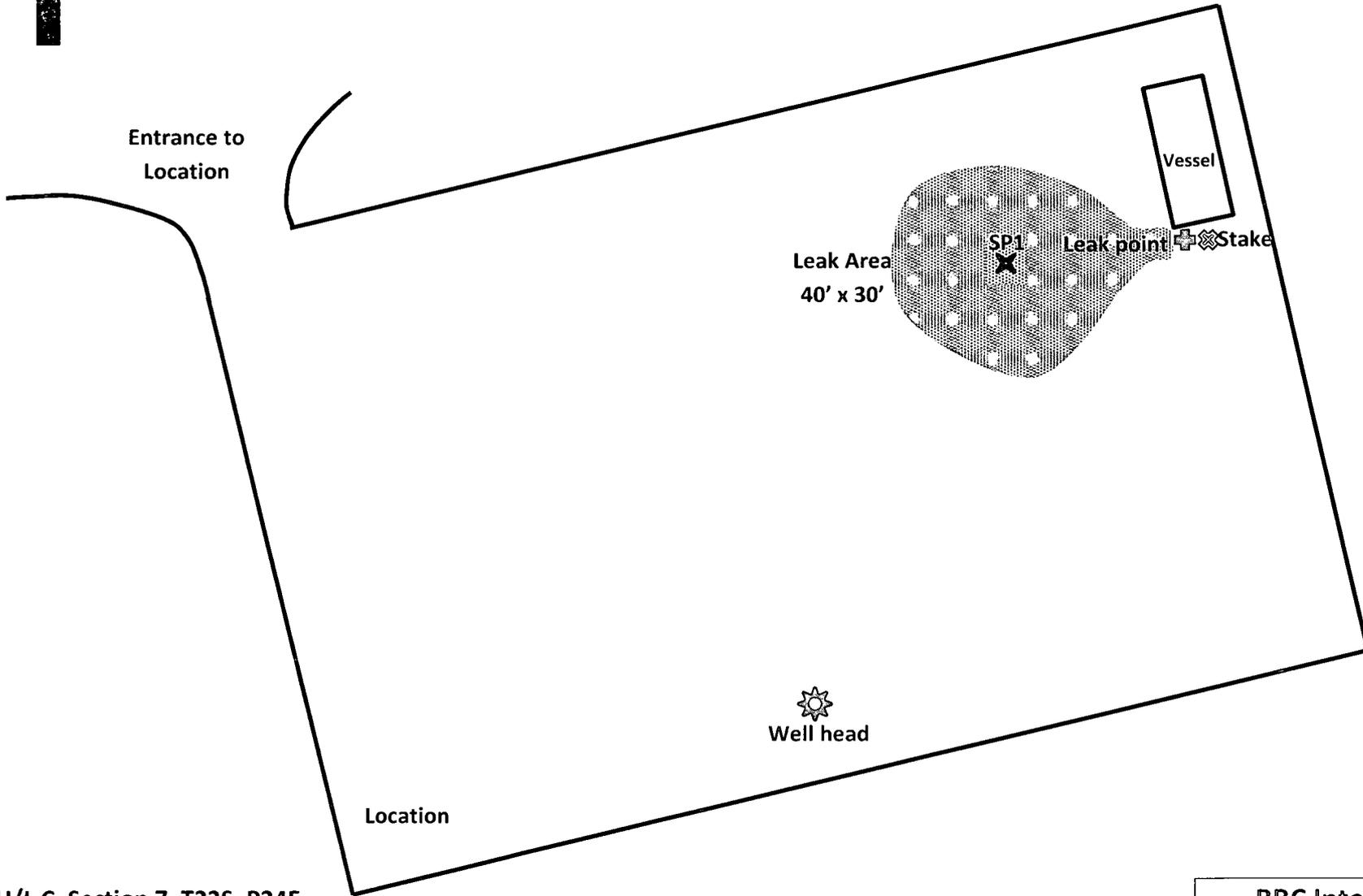
Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3/20/14	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary



Oxy
Old Ranch Canyon 7 Federal #5Y

Entrance to
Location



Location

U/L C, Section 7, T22S, R24E
1315' FNL and 2315' FWL
Eddy County, NM
GPS at stake: N 32.40937° W 104.53775°
API# 30-015-30653

BBC International, Inc.	
Oxy	
Old Ranch Canyon Federal #5Y	
Date: 01/27/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Groundwater Plot

Oxy Old Ranch Canyon 7 Federal #5Y

County
Eddy

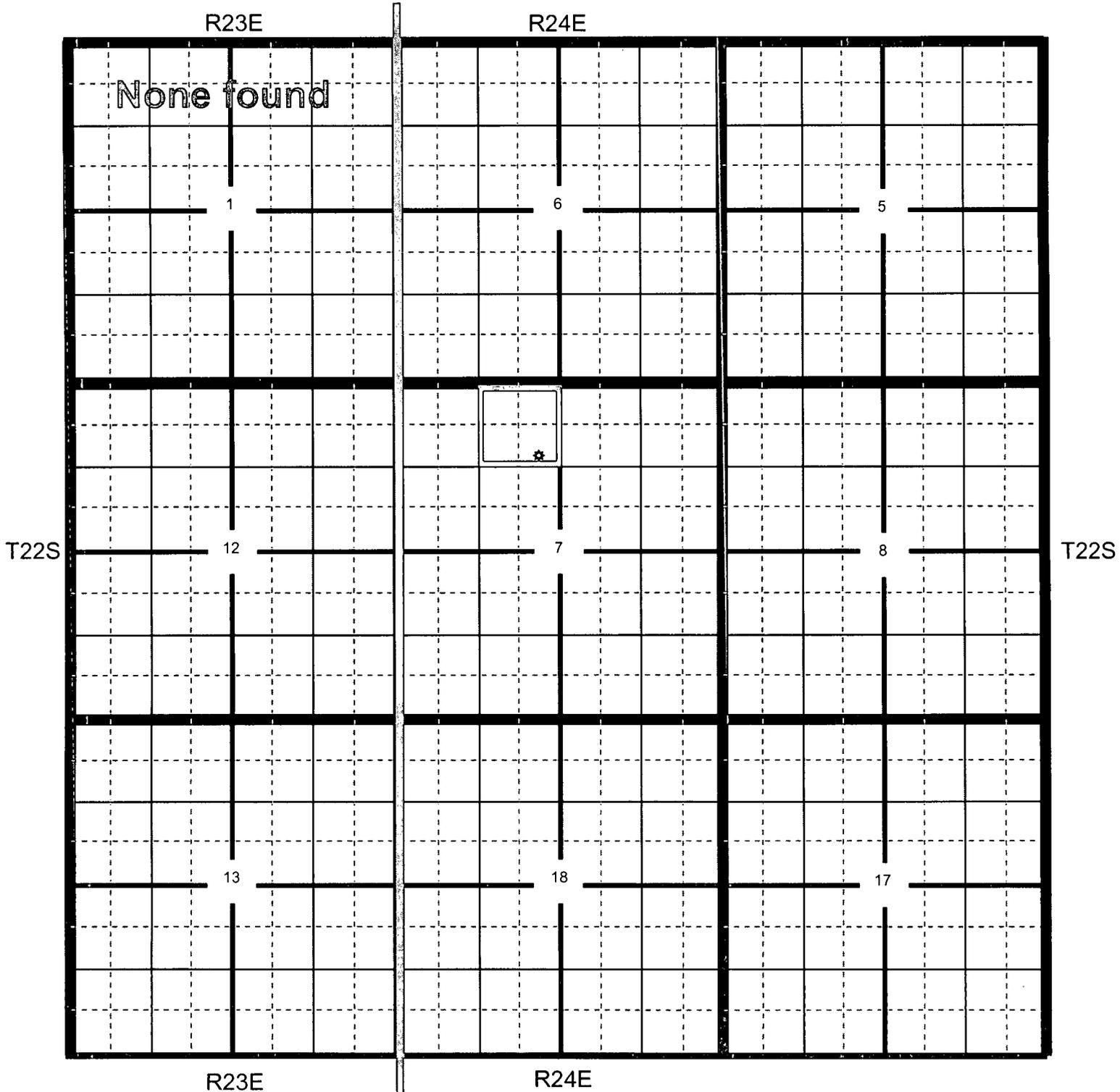
Unit Letter
C

Section
7

Township
22S

Range
24E

Trend Map 75'



⚙ Location

○ OCD

○ USGS

○ SEO

⊕ All Databases

Oxy Old Ranch Canyon 7 Federal #5Y

County Eddy Unit Letter C Section 7 Township 22S Range 24E

Trend Map 75'

1

2

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

3

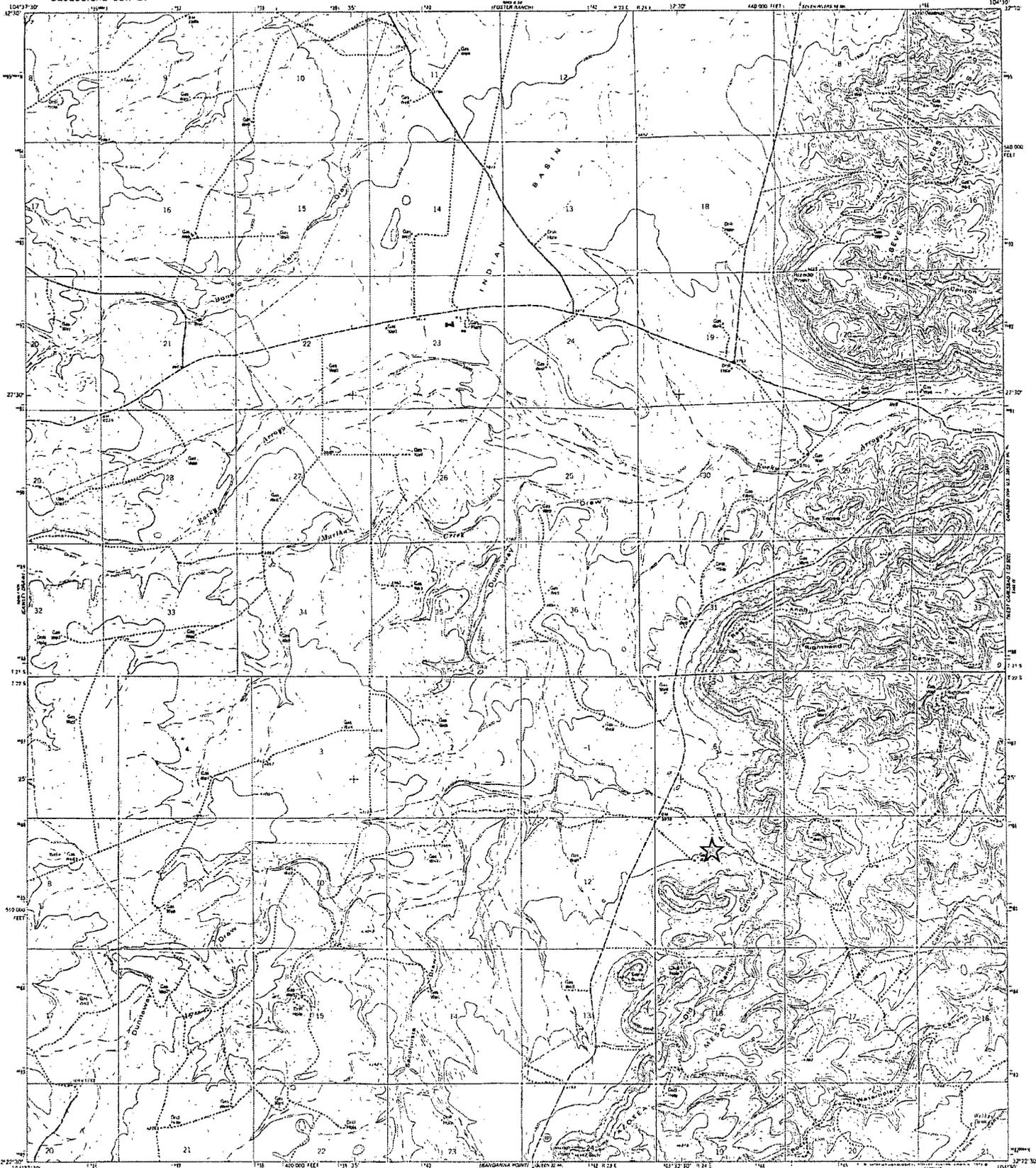
4

Oxy

Old Ranch Canyon 7 Federal #5Y

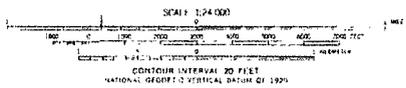
MARTHA CREEK QUADRANGLE
NEW MEXICO—EDDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
1:250,000 SCALE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Maped, edited, and published by the Geological Survey
 Control by USGS and NOS/DGA
 Topography by photogrammetric methods from aerial photographs
 taken 1972. Field checked 1974. Map revised 1978
 Projection and 10,000-foot grid ticks. New Mexico
 Coast and Geodetic Survey (formerly Mercator)
 1000-foot interval Transverse Mercator grid ticks,
 June 13, 1983 in blue, 1927 North American datum
 Fire-red dashed lines indicate selected fence lines.

PHOTOGRAPHIC SURVEY
 1:250,000 SCALE



ROAD CLASSIFICATION
 Primary Highway: ———
 Road surface
 Secondary, a grade, road surface: - - - - -
 Unimproved road: ·····
 Automobile Route: ⊙
 U.S. Route: ⊕
 State Route: ⊖

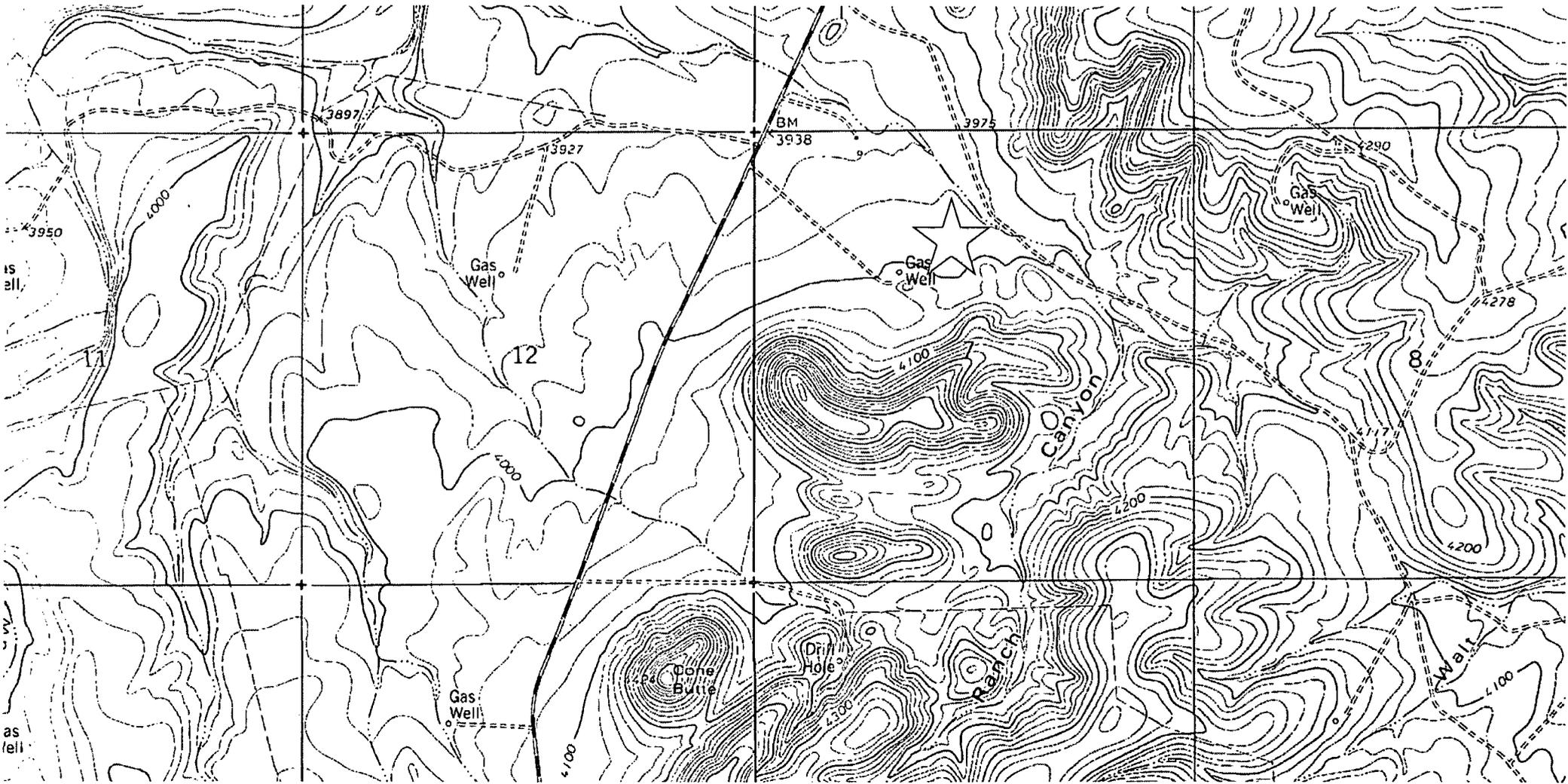
THIS MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DEPT. OF THE INTERIOR, RESTON, VIRGINIA 22092
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MARTHA CREEK, N. MEX.
 1:250,000 SCALE
 1978

Oxy

Old Ranch Canyon 7

Federal #5Y



**Laboratory Analytical Results Summary
Old Ranch Canyon 7 Federa #5Y**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'
Analyte	Method	Date	1/23/14	1/23/14	1/23/14	1/23/14	1/23/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	32	48
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

January 31, 2014

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: OLD RANCH CANYON 75 Y

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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/ga/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:	01/27/2014	Sampling Date:	01/23/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	OLD RANCH CANYON 75 Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 1' (H400245-01)

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	01/30/2014	ND	2.44	122	2.00	0.161		
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/30/2014	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	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51		

Surrogate: 1-Chlorooctane 86.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 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:	01/27/2014	Sampling Date:	01/23/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	OLD RANCH CANYON 75 Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 2' (H400245-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTEX	<0.300	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/30/2014	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	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

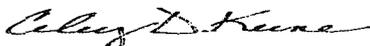
Surrogate: 1-Chlorooctane 94.6 % 65.2-140
Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154
Sample ID: SP 1 @ 4' (H400245-03)

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	01/30/2014	ND	400	100	400	0.00	

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:	01/27/2014	Sampling Date:	01/23/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	OLD RANCH CANYON 75 Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 6' (H400245-04)

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	01/30/2014	ND	400	100	400	0.00	

Sample ID: SP 1 @ 8' (H400245-05)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2014	ND	400	100	400	0.00	

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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

Cardinal Laboratories

*=Accredited Analyte

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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

1 of 1

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Cliff Brunson				P.O. #:																											
Address: P.O. Box 805				Company:																											
City: Hobbs		State: NM		Zip: 88241		Attn: SAME																									
Phone #: 575-397-6388		Fax #: 575-397-0397		Address: SAME																											
Project #:		Project Owner: OKY		City:																											
Project Name: Old Ranch Canyon 7.5/10				State: Zip:																											
Project Location: Indian Basin				Phone #:																											
Sampler Name: ROYER HERNANDEZ				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.	Sample I.D.	(C/RAB OR (C)OMP. # CONTAINERS	MATRIX																	PRESERV.			SAMPLING		TPH	BTEX	CL				
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME																		
H400245	SPL @ 1'	1				✓			✓		1-23-14	147	✓	✓	✓																
5400	SPL @ 2'	1				✓			✓		1-23-14	105	✓	✓	✓																
5400	SPL @ 4'	1				✓			✓		1-23-14	241			✓																
5400	SPL @ 6'	1				✓			✓		1-23-14	315			✓																
5400	SPL @ 8'	1				✓			✓		1-23-14	338			✓																

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Relinquished By: ROYER HERNANDEZ	Date: 1-24-14	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 8:00			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: [Signature]	Date: 1-27-14	Received By: [Signature]	REMARKS:	
Time: 9:00				
Delivered By: (Circle One)	Sample Condition	CHECKED BY: [Signature]		
Sampler - UPS - Bus - Other:	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	(Initials)		
-1.2°C				

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

HSH

Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Monday, February 24, 2014 6:42 AM
To: Cliff P. Brunson
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: Oxy-Old Ranch Canyon 7 Federal #5Y-Remediation Plan

Chris,

Plan is approved.

JENNIFER E VAN CUREN
ENVIRONMENTAL PROTECTION SPECIALIST
DOI-BLM-CARLSBAD FIELD OFFICE
320 E GREENE ST. CARLSBAD, NM 88220
OFFICE- 575-234-5905
CELL - 575-361-0042
FAX - 575-234-5927

On Thu, Feb 20, 2014 at 7:35 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy will excavate to a depth of 3 to 6 inches across the entire leak area as shown on the diagram. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

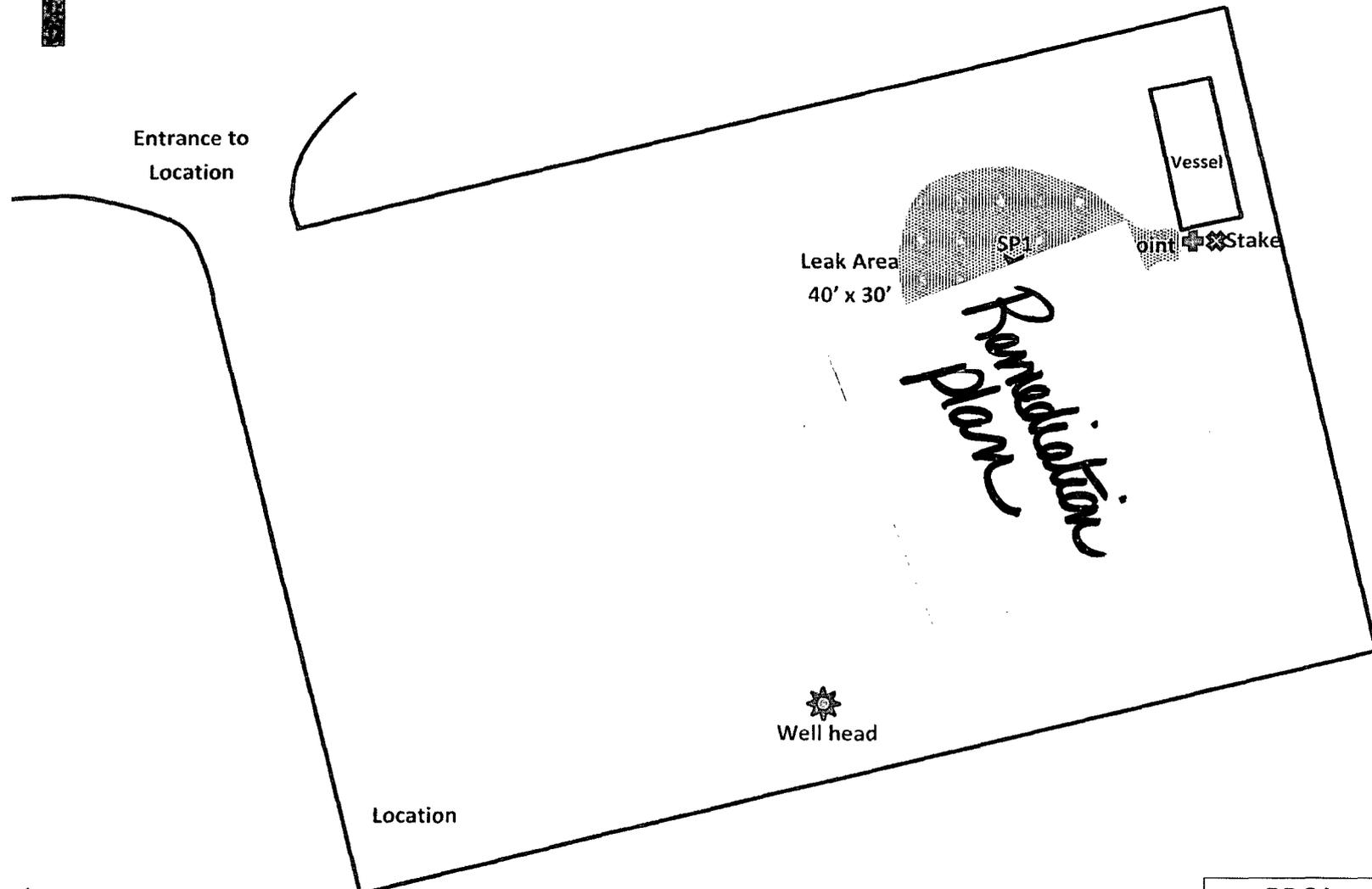
Thanks, Cliff

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

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Oxy
Old Ranch Canyon 7 Federal #5Y



U/L C, Section 7, T22S, R24E
1315' FNL and 2315' FWL
Eddy County, NM
GPS at stake: N 32.40937° W 104.53775°
API# 30-015-30653

BBC International, Inc.	
Oxy	
Old Ranch Canyon Federal #5Y	
Date: 01/27/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Groundwater Plot

Oxy Old Ranch Canyon 7 Federal #5Y

County
Eddy

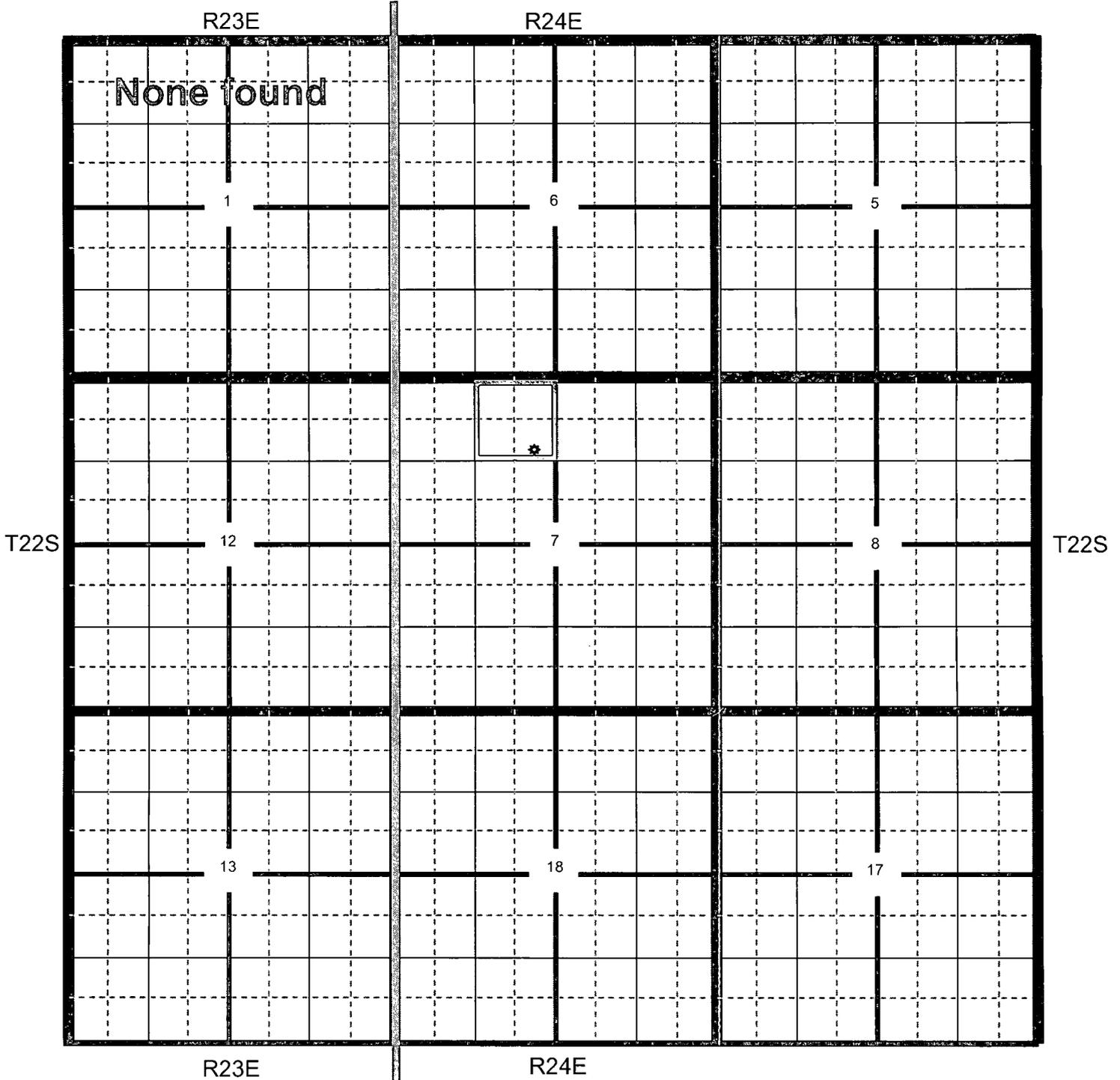
Unit Letter
C

Section
7

Township
22S

Range
24E

Trend Map 75'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters

Oxy Old Ranch Canyon 7 Federal #5Y

<i>County</i> Eddy	<i>Unit Letter</i> C	<i>Section</i> 7	<i>Township</i> 22S	<i>Range</i> 24E
-----------------------	-------------------------	---------------------	------------------------	---------------------

Trend Map 75'

1

2

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

3

4

* Location ○ OCD ○ USGS ○ SEO ● All Databases

**Laboratory Analytical Results Summary
Old Ranch Canyon 7 Federa #5Y**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'
Analyte	Method	Date	1/23/14	1/23/14	1/23/14	1/23/14	1/23/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	32	48
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a



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

January 31, 2014

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: OLD RANCH CANYON 75 Y

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, prominent "C" and "K".

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: 01/27/2014
 Reported: 01/31/2014
 Project Name: OLD RANCH CANYON 75 Y
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 01/23/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400245-01)

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	01/30/2014	ND	2.44	122	2.00	0.161		
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152		
Total BTEX	<0.300	0.300	01/30/2014	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/30/2014	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	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51		

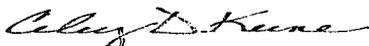
Surrogate: 1-Chlorooctane 86.7 % 63.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 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: 01/27/2014
 Reported: 01/31/2014
 Project Name: OLD RANCH CANYON 75 Y
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 01/23/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H400245-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.44	122	2.00	0.161		
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 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	01/30/2014	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	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51		

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

Sample ID: SP 1 @ 4' (H400245-03)

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	01/30/2014	ND	400	100	400	0.00		

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:	01/27/2014	Sampling Date:	01/23/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	OLD RANCH CANYON 75 Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 6' (H400245-04)

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	01/30/2014	ND	400	100	400	0.00	

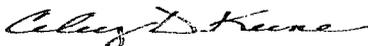
Sample ID: SP 1 @ 8' (H400245-05)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2014	ND	400	100	400	0.00	

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* = Accredited Analyte

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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

January 31, 2014

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: OLD RANCH CANYON 75 Y

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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/ga/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 "Caley D. Keene". The signature is written in a cursive, flowing style.

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: 01/27/2014
 Reported: 01/31/2014
 Project Name: OLD RANCH CANYON 75 Y
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 01/23/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400245-01)

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	01/30/2014	ND	2.44	122	2.00	0.161		
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 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	01/30/2014	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	
GRD C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51		

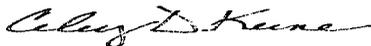
Surrogate: 1-Chlorooctane 86.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 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:	01/27/2014	Sampling Date:	01/23/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	OLD RANCH CANYON 75 Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 2' (H400245-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.44	122	2.00	0.161		
Toluene*	<0.050	0.050	01/30/2014	ND	2.37	119	2.00	0.245		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.36	118	2.00	0.0847		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.86	114	6.00	0.152		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/30/2014	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	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51		

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

Sample ID: SP 1 @ 4' (H400245-03)

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	01/30/2014	ND	400	100	400	0.00		

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:	01/27/2014	Sampling Date:	01/23/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	OLD RANCH CANYON 75 Y	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 6' (H400245-04)

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	01/30/2014	ND	400	100	400	0.00	

Sample ID: SP 1 @ 8' (H400245-05)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2014	ND	400	100	400	0.00	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

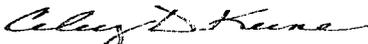
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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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

1 of 1

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Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																					
Project Manager: Cliff Brunson		P.O. #:																							
Address: P.O. Box 805		Company:																							
City: Hobbs State: NM Zip: 88241		Attn:																							
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: SAME																							
Project #:		City:																							
Project Name: Old Ranch Canyon 7.5		State: Zip:																							
Project Location: Indian Basin		Phone #:																							
Sampler Name: Roger Hernandez		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING													
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
H400245																									
1	SP1 @ 1'	G	1			✓					✓		1-23-14	147	✓	✓	✓								
3	SP1 @ 2'	G	1			✓					✓		1-23-14	105	✓	✓	✓								
4	SP1 @ 4'	G	1			✓					✓		1-23-14	241											
5	SP1 @ 6'	G	1			✓					✓		1-23-14	315											
5	SP1 @ 8'	G	1			✓					✓		1-23-14	338											

TPH
BTEX
CL-

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Relinquished By: Roger Hernandez	Date: 1-24-14	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: 8:00		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
Relinquished By:	Date: 1-27-14	Received By: Ruthy	REMARKS:		
	Time: 9:00				
Delivered By: (Circle One)	Sample Condition: -1.2°C	Sample Condition: Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: KP		

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

H54

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	Old Ranch Canyon 7 Federal #5y	Facility Type	Well Location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-30653

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	7	22S	24E	1315	North	2315	West	Eddy County, NM

Latitude N 32.40886° Longitude W 104.53740°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	15 bbls	Volume Recovered	5 bbls
Source of Release	Failure of a Victaulic clamp on a 1.5" steel line	Date and Hour of Occurrence	12/20/2013	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?	M. Bratcher, J.M. Warren- OCD, J. Amos, J. Van Curen- BLM		
By Whom?	Christopher Jones	Date and Hour	12/20/2013 @ 3:33 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.*

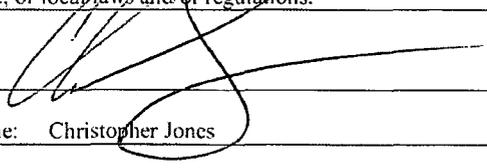
The failure of a Victaulic clamp on a 1.5" steel line caused 15 bbls of produced water to leak onto the ground. 5 bbls of produced water were recovered via vacuum truck and the clamp was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 50' x 150'. Remediation will be completed in accordance with a 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.

OIL CONSERVATION DIVISION

Signature:			
Printed Name: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher_Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1/9/14	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary