

# Closure Report

## Site Description

Site Name:	FNR 26 Federal #1 CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L D, Section 31, T23S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.26522° W 103.82315°

## Release Data

Date of Release:	05/20/2015
Type of Release:	Oil and produced water
Source of Release:	Stress/fatigue of a 3" water transfer line
Volume of Release:	10 bbls oil, 70 bbls produced water
Volume Recovered:	0 bbls

## Remediation Specifications

Remediation Parameters:	Excavate the entire leak area to a depth of 1 foot. Excavate the area around SP5 to a depth of 3 feet and place a liner in the bottom of the excavation. Backfill the excavated areas with clean soil.
Remediation Activities:	December 2015

Plan Sent to OCD:	08/10/2015	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	08/19/2015	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	08/10/2015	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	08/19/2015	Email from Shelly Tucker to Cliff Brunson

## Supporting Documentation

Initial C-141	Signed 07/13/2015
Final C-141	Signed 12/28/2015
Site Diagram	May 2015
Groundwater Plot	300'
TOPO Maps	May 2015
Lab Summary	07/06/2015-07/07/2015
Lab Analysis	07/06/2015-07/07/2015
Correspondence	Request and approval of remediation plan via email

## Request for Closure

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

Cliff Brunson, President of BBC International Inc.

12/30/2015

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5824
Facility Name	FNR 26 Federal #1 CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-15-30412

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	31	23S	31E					Eddy County, NM

Latitude N 32.26522° Longitude W 103.82315°

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	10 bbls oil, 70 bbls produced water	Volume Recovered	0 bbls
Source of Release	Stress/fatigue of a 3" water transfer line	Date and Hour of Occurrence	05/20/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
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.*					
Stress/fatigue of a 3" water transfer line caused 10 bbls oil and 70 bbls of produced water to leak onto the ground. The line was repaired or replaced and no fluids were recovered.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 600' x 250' off of location. Remediation will be 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:	<b>OIL CONSERVATION DIVISION</b>  Approved by Environmental Specialist:  Approval Date: _____ Expiration Date: _____  Conditions of Approval: _____ Attached <input type="checkbox"/>				
Printed Name: Chancey Summers					
Title: HES Lead					
E-mail Address: <a href="mailto:Chancey_Summers@oxy.com">Chancey_Summers@oxy.com</a>					
Date: 7-13-15 Phone: (432) 685-5824					

\* Attach Additional Sheets If Necessary

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

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

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	FNR 26 Federal #1 CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-15-30412

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	31	23S	31E					Eddy County, NM

Latitude N 32.26522° Longitude W 103.82315°

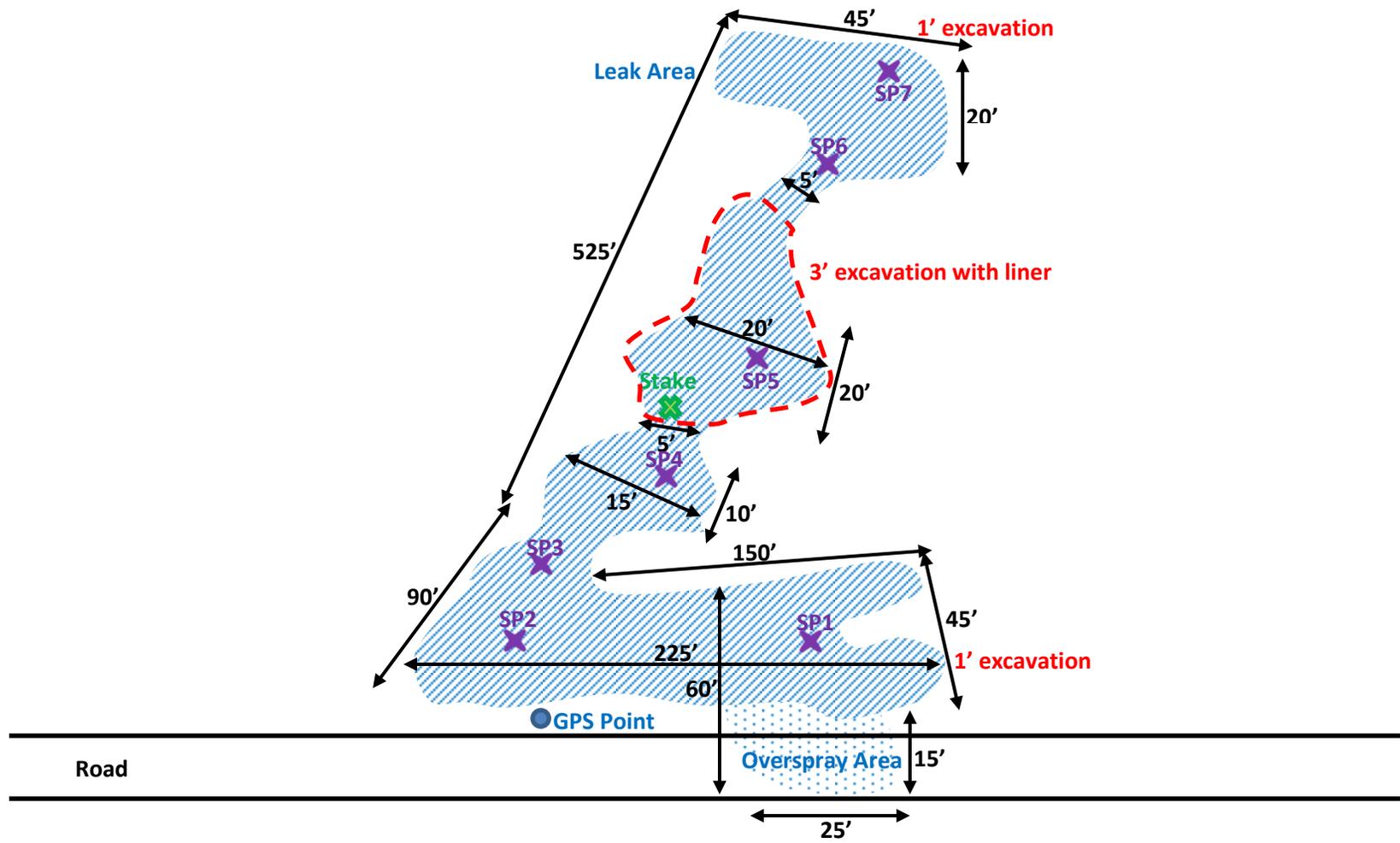
**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	10 bbls oil, 70 bbls produced water	Volume Recovered	0 bbls
Source of Release	Stress/fatigue of a 3" water transfer line	Date and Hour of Occurrence	05/20/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
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.*					
Stress/fatigue of a 3" water transfer line caused 10 bbls oil and 70 bbls of produced water to leak onto the ground. The line was repaired or replaced and no fluids were recovered.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 600' x 250' off of location. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 08/19/2015 and approved by Shelly Tucker of BLM via email on 08/19/2015.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Signature:	<b>OIL CONSERVATION DIVISION</b>				
Printed Name: Casey Summers	Approved by Environmental Specialist:				
Title: NM Environmental Advisor	Approval Date:	Expiration Date:			
E-mail Address: Casey.Summers@oxy.com	Conditions of Approval:				Attached <input type="checkbox"/>
Date: 12-28-15	Phone: (575) 513-8289				

\* Attach Additional Sheets If Necessary



Oxy  
FNR 26 Federal #1 CTB



U/L D, Section 31, T23S, R31E  
Eddy County, NM  
GPS Point: N 32.26522° W 103.82315°

BBC International, Inc.	
Oxy	
FNR 26 Federal #1 CTB	
Date: 05/28/15	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2015

# Groundwater Plot

## Oxy FNR 26 Federal #1 CTB

County  
Eddy

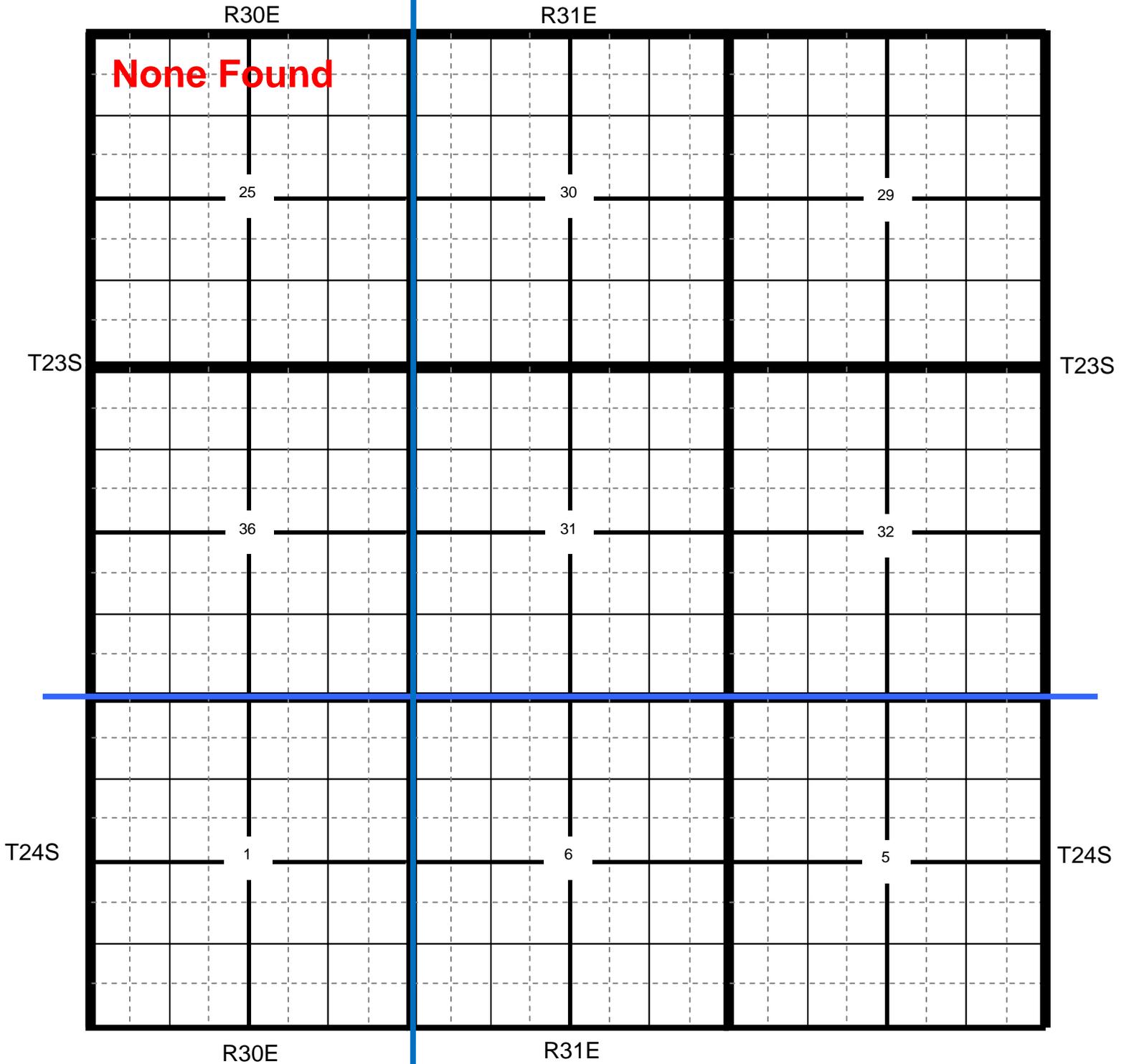
Unit Letter  
D

Section  
31

Township  
23S

Range  
31E

Trend Map 300'



📍 Location

● OCD

● USGS

● SEO

● All Databases

## Oxy FNR 26 Federal #1 CTB

<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Eddy	D	31	23S	31E

Trend Map 300'

1

2

NW/NW <b style="color: red; font-size: 1.2em;">None Found</b>	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

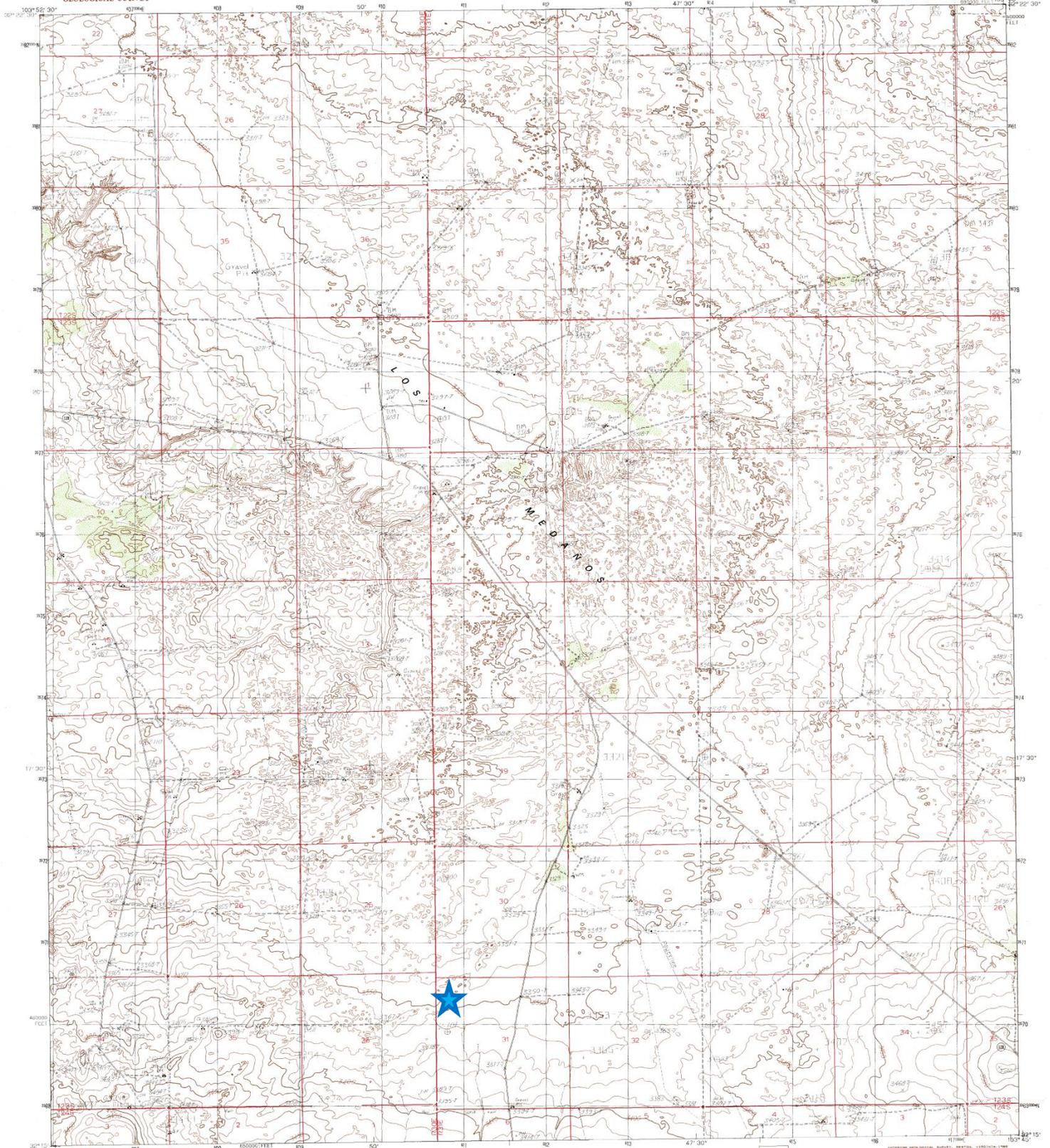
4

# Oxy

## FNR 26 Federal #1 CTB

LOS MEDAÑOS QUADRANGLE  
NEW MEXICO-EDDY CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY ..... USA NAD83/NA  
CHECKED FROM AERIAL PHOTOGRAPHS TAKEN .....  
FIELD CHECKED ..... 899 MAP SERIES .....  
CORRECTION .....  
GRID BOUNDARY UNIVERSAL TRANSVERSE MERCATOR .....  
GRID BOUNDARY STATE GRID TIE .....  
UTM GRID DISCLINATION .....  
MAGNETIC NORTH DECLINATION .....  
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM of 1988  
To place on the predicted North American Datum of 1983,  
move the projection lines as shown by dashed corner ticks  
0 meters south and 45 meters east.  
There may be private buildings within the boundaries of any  
Federal and State Reservations shown on this map.  
All marginal data and lettering generated and positioned by  
automated type placement procedure.

PROVISIONAL MAP  
Produced from original  
manuscript drawings. Informa-  
tion shown as of date of  
field check. 3



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225  
OR RESTON, VIRGINIA 22092

QUADRANGLE LOCATION		
1	2	3
4	5	6
7	8	9

ADJOINING 15' QUADRANGLE NAMES

ROAD LEGEND  
Improved Road .....  
Unimproved Road .....  
Trail .....  
Interstate Route U.S. Route State Route

LOS MEDAÑOS, NEW MEXICO  
PROVISIONAL EDITION 1985  
3210-C1-F1-034



**Laboratory Analytical Results Summary  
FNR 26 Federal #1 CTB (5/20/15)**

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'
			7/6/15	7/6/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		80000	80
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		11.1	<10.0

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'
			7/6/15	7/6/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		5440	64
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		16200	11.9

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'
			7/6/15	7/6/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		5040	80
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		17600	<10.0

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'
			7/6/15	7/6/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		7600	128
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		9960	23.3

Analyte	Method	Sample Date	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 3'	SP5 @ 5'	SP5 @ 7'	SP5 @ 9'	SP5 @ 10'
			7/6/15	7/6/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		5360	11100	7330	5440	20800	4800	<16.0
GRO	TPH 8015M		<100	<10.0	<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		48700	1490	<10.0	<10.0	n/a	n/a	n/a

Analyte	Method	Sample Date	SP6 @ SURFACE	SP6 @ 1'
			7/7/15	7/7/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		40800	96
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		5930	33.4

Analyte	Method	Sample Date	SP7 @ SURFACE	SP7 @ 1'
			7/7/15	7/7/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		5760	96
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		19800	31.5

July 16, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FNR 26 FED #1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/09/15 15:10.

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](http://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: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ SURFACE (H501764-01)**

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	07/15/2015	ND	2.22	111	2.00	2.79	
Toluene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.30	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.94	96.8	2.00	3.71	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	5.74	95.7	6.00	4.63	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80000</b>	16.0	07/14/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2015	ND	192	95.9	200	3.47	
<b>DRO &gt;C10-C28</b>	<b>11.1</b>	10.0	07/11/2015	ND	187	93.7	200	6.72	

Surrogate: 1-Chlorooctane 81.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.1 % 52.1-176

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H501764-02)**

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	07/15/2015	ND	2.22	111	2.00	2.79	
Toluene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.30	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.94	96.8	2.00	3.71	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	5.74	95.7	6.00	4.63	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	07/14/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2015	ND	192	95.9	200	3.47	
DRO >C10-C28	<10.0	10.0	07/11/2015	ND	187	93.7	200	6.72	

Surrogate: 1-Chlorooctane 96.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ SURFACE (H501764-03)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2015	ND	2.22	111	2.00	2.79		
Toluene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.30		
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.94	96.8	2.00	3.71		
Total Xylenes*	<0.150	0.150	07/15/2015	ND	5.74	95.7	6.00	4.63		
Total BTEX	<0.300	0.300	07/15/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 85.6-137*

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>5440</b>	16.0	07/14/2015	ND	400	100	400	3.92		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>							<b>S-06</b>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<100	100	07/13/2015	ND	192	95.9	200	3.47			
<b>DRO &gt;C10-C28</b>	<b>16200</b>	100	07/13/2015	ND	187	93.7	200	6.72			

*Surrogate: 1-Chlorooctane 99.4 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 263 % 52.1-176*

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H501764-04)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	07/14/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/13/2015	ND	203	101	200	1.36	
<b>DRO &gt;C10-C28</b>	<b>11.9</b>	10.0	07/13/2015	ND	215	108	200	1.96	

Surrogate: 1-Chlorooctane 86.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 67.6 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ SURFACE (H501764-05)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 85.6-137

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5040</b>	16.0	07/14/2015	ND	400	100	400	3.92	

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						<b>S-06</b>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	07/13/2015	ND	203	101	200	1.36		
<b>DRO &gt;C10-C28</b>	<b>17600</b>	100	07/13/2015	ND	215	108	200	1.96		

Surrogate: 1-Chlorooctane 167 % 47.2-157

Surrogate: 1-Chlorooctadecane 482 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 1' (H501764-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/14/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/13/2015	ND	203	101	200	1.36	
DRO >C10-C28	<10.0	10.0	07/13/2015	ND	215	108	200	1.96	

Surrogate: 1-Chlorooctane 97.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.5 % 52.1-176

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 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ SURFACE (H501764-07)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 85.6-137

<b>Chloride, SM4500CI-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>7600</b>	16.0	07/15/2015	ND	432	108	400	0.00	

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						<b>S-06</b>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	07/13/2015	ND	203	101	200	1.36		
<b>DRO &gt;C10-C28</b>	<b>9960</b>	100	07/13/2015	ND	215	108	200	1.96		

Surrogate: 1-Chlorooctane 84.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 317 % 52.1-176

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 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 1' (H501764-08)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	07/15/2015	ND	432	108	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	07/13/2015	ND	203	101	200	1.36	
<b>DRO &gt;C10-C28</b>	<b>23.3</b>	10.0	07/13/2015	ND	215	108	200	1.96	

Surrogate: 1-Chlorooctane 98.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/06/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ SURFACE (H501764-09)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5360</b>	16.0	07/15/2015	ND	432	108	400	0.00	

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	<100	100	07/13/2015	ND	203	101	200	1.36		
<b>DRO &gt;C10-C28</b>	<b>48700</b>	100	07/13/2015	ND	215	108	200	1.96		

Surrogate: 1-Chlorooctane 74.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 1630 % 52.1-176

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 Fax To: (575) 397-0397

Received:	07/09/2015	Sampling Date:	07/06/2015
Reported:	07/16/2015	Sampling Type:	Soil
Project Name:	FNR 26 FED #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	TWIN WELLS ROAD		

**Sample ID: SP 5 @ 1' (H501764-10)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>11100</b>	16.0	07/15/2015	ND	432	108	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	07/13/2015	ND	203	101	200	1.36	
<b>DRO &gt;C10-C28</b>	<b>1490</b>	10.0	07/13/2015	ND	215	108	200	1.96	

Surrogate: 1-Chlorooctane 96.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.3 % 52.1-176

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 Fax To: (575) 397-0397

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/07/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 3' (H501764-11)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	07/15/2015	ND	432	108	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	07/13/2015	ND	203	101	200	1.36	
DRO >C10-C28	<10.0	10.0	07/13/2015	ND	215	108	200	1.96	

Surrogate: 1-Chlorooctane 91.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.1 % 52.1-176

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 Fax To: (575) 397-0397

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/07/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 5' (H501764-12)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5440</b>	16.0	07/15/2015	ND	432	108	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	07/13/2015	ND	203	101	200	1.36	
DRO >C10-C28	<10.0	10.0	07/13/2015	ND	215	108	200	1.96	

Surrogate: 1-Chlorooctane 96.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.5 % 52.1-176

**Sample ID: SP 5 @ 7' (H501764-13)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>20800</b>	16.0	07/15/2015	ND	432	108	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: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/07/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 9' (H501764-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	07/15/2015	ND	432	108	400	0.00	

**Sample ID: SP 5 @ 10' (H501764-15)**

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	07/15/2015	ND	432	108	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: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/07/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 6 @ SURFACE (H501764-16)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>40800</b>	16.0	07/15/2015	ND	432	108	400	0.00	

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	<100	100	07/14/2015	ND	197	98.3	200	3.85		
<b>DRO &gt;C10-C28</b>	<b>5930</b>	100	07/14/2015	ND	178	88.8	200	17.1		

Surrogate: 1-Chlorooctane 98.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 395 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/07/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 6 @ 1' (H501764-17)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	07/15/2015	ND	432	108	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	07/14/2015	ND	197	98.3	200	3.85	
<b>DRO &gt;C10-C28</b>	<b>33.4</b>	10.0	07/14/2015	ND	178	88.8	200	17.1	

Surrogate: 1-Chlorooctane 96.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/07/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 7 @ SURFACE (H501764-18)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5760</b>	16.0	07/15/2015	ND	432	108	400	0.00	

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	<100	100	07/14/2015	ND	197	98.3	200	3.85		
<b>DRO &gt;C10-C28</b>	<b>19800</b>	100	07/14/2015	ND	178	88.8	200	17.1		

Surrogate: 1-Chlorooctane 90.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 573 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/09/2015  
 Reported: 07/16/2015  
 Project Name: FNR 26 FED #1 CTB  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/07/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 7 @ 1' (H501764-19)**

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	07/15/2015	ND	1.94	97.2	2.00	2.59	
Toluene*	<0.050	0.050	07/15/2015	ND	2.10	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	07/15/2015	ND	1.97	98.6	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/15/2015	ND	6.07	101	6.00	4.27	
Total BTEX	<0.300	0.300	07/15/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	07/15/2015	ND	432	108	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	07/14/2015	ND	197	98.3	200	3.85	
<b>DRO &gt;C10-C28</b>	<b>31.5</b>	10.0	07/14/2015	ND	178	88.8	200	17.1	

Surrogate: 1-Chlorooctane 83.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 70.2 % 52.1-176

Cardinal Laboratories

\*=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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report



---

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: BBC International Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397

**BILL TO**  
 P.O. #:  
 Company:  
 Attn:  
 Address:  
 City:  
 State: Zip:

**ANALYSIS REQUEST**

Project #: **ENE 26** Project Owner: **DDY**  
 Project Location: **TRIP WELLS** City: **SPMO**  
 Sampler Name: **TRIP WELLS** State: Zip:  
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER					
H501164	SP1E surface	G	1							X	7-6	900	BTEX	
	SP2E surface	G	1							X	939	939	TPH	
	SP3E surface	G	1							X	1000	1037	CL	
	SP4E surface	G	1							X	1161	1133		
	SP5E surface	G	1							X	138	138		
	SP6E surface	G	1							X	208	208		

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 analysis. 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: *[Signature]* Date: **7/9/95** Received By: *[Signature]* Date: **7/10/95**  
 Relinquished By: *[Signature]* Date: **7/10/95** Received By: *[Signature]* Date: **7/10/95**

Delivered By: (Circle One) **UPS** - Bus - Other: **-4.82**  
 Sample Condition: Cool  Intact   
 Checked By: *[Signature]*  
 Phone Result:  Yes  No Add'l Phone #:   
 Fax Result:  Yes  No Add'l Fax #:   
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476  
**#54**



## Kathy Purvis

---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Wednesday, August 19, 2015 8:22 AM  
**To:** Cliff Brunson; Shelly Tucker; Patterson, Heather, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY FNR 26 Federal #1 CTB (Leak date 5/20/15) - Remediation Plan

RE: OXY USA \* FNR 26 Fed 1 CTB \* 30-015-30412 \* M-26-23s-30e \* **2RP-3120**

Date of release: 5/20/15

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise if proposed excavation depths are not achieved. Federal sites require like approval by BLM.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

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

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

---

**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Monday, August 10, 2015 7:06 PM  
**To:** Shelly Tucker; Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY FNR 26 Federal #1 CTB (Leak date 5/20/15) - Remediation Plan

Shelly and Mike,

On Wednesday, July 29, 2015, I was able to visit with both you about this site. I discussed the plan with Mike first, then met with Shelly later and both of you agreed to the same plan. Therefore, this e-mail is to confirm our discussion on Wednesday, July 29, 2015 concerning the remediation plan for the Oxy FNR 26 Federal #1 CTB (Leak date 5/20/15). I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you both would please reply back via e-mail with your concurrence on this 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](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*  
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\*\*\*\*\*

## Kathy Purvis

---

**From:** Tucker, Shelly <stucker@blm.gov>  
**Sent:** Wednesday, August 19, 2015 11:32 AM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Cliff Brunson; Patterson, Heather, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Re: OXY FNR 26 Federal #1 CTB (Leak date 5/20/15) - Remediation Plan

BLM accepts/approves your Work Plan.

The BLM approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

*Shelly J Tucker*

Environmental Protection Specialist  
Bureau of Land Management

620 E. Greene St  
Carlsbad, NM 88220

575.234.5905 - Direct  
575.361.0084 - Cellular

[stucker@blm.gov](mailto:stucker@blm.gov)



On Wed, Aug 19, 2015 at 8:22 AM, Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)> wrote:

RE: OXY USA \* FNR 26 Fed 1 CTB \* 30-015-30412 \* M-26-23s-30e \* **2RP-3120**

Date of release: 5/20/15

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise if proposed excavation depths are not achieved. Federal sites require like approval by BLM.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

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

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

---

**From:** Cliff Brunson [mailto:[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)]

**Sent:** Monday, August 10, 2015 7:06 PM

**To:** Shelly Tucker; Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD

**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

**Subject:** OXY FNR 26 Federal #1 CTB (Leak date 5/20/15) - Remediation Plan

Shelly and Mike,

On Wednesday, July 29, 2015, I was able to visit with both you about this site. I discussed the plan with Mike first, then met with Shelly later and both of you agreed to the same plan. Therefore, this e-mail is to confirm our discussion on Wednesday, July 29, 2015 concerning the remediation plan for the Oxy FNR 26 Federal #1 CTB

(Leak date 5/20/15). I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you both would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

1324 W. Marland St.

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