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E-MAIL: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

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## **OXY – FNR 26 FEDERAL #1 CTB (6/6/15)**

### **REMEDIATION PLAN**

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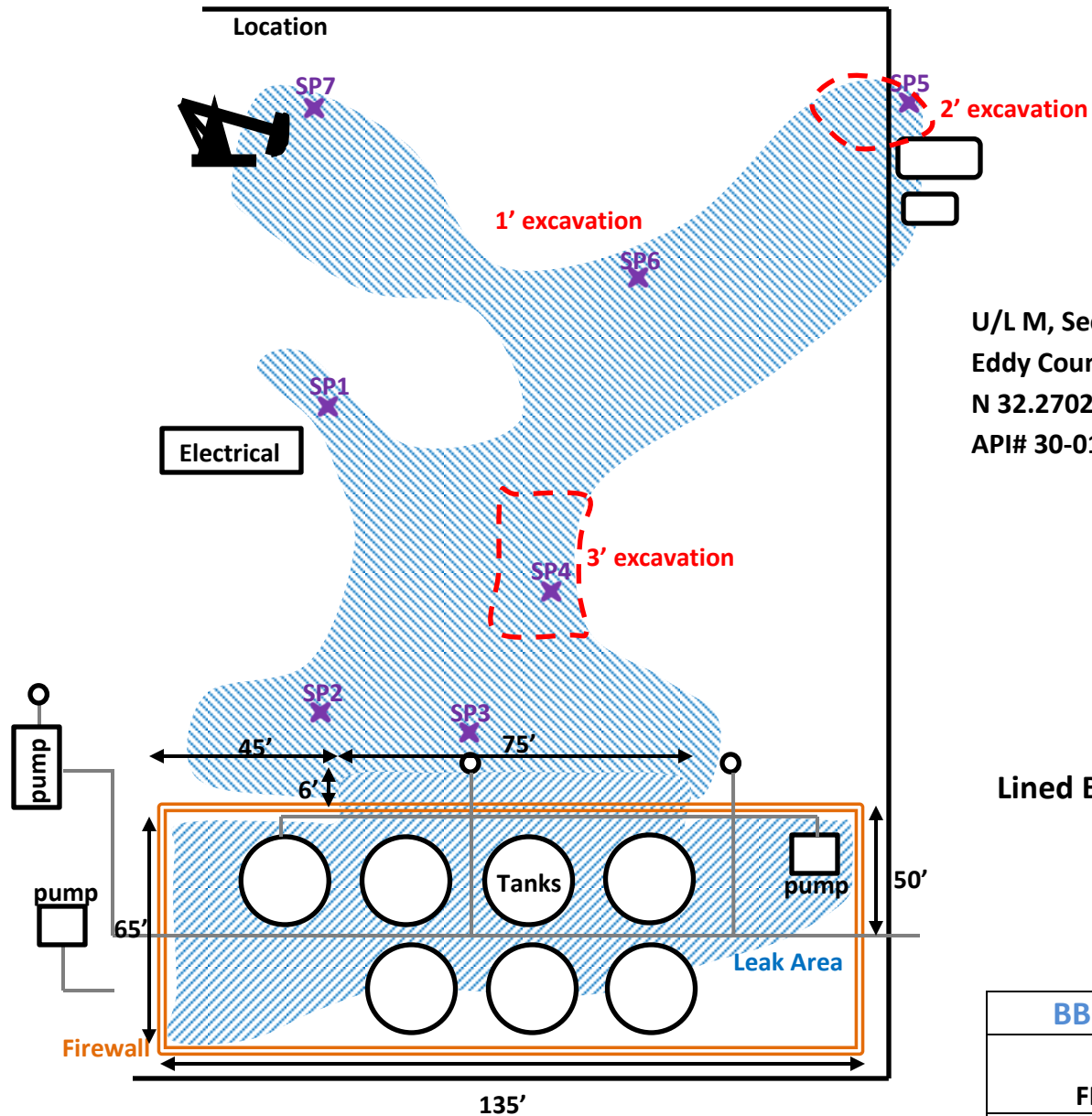
OXY will excavate the spill area as depicted on the following site diagram. The entire spill area will be excavated to a depth of 1 foot. In the area near SP4, the excavation will be to a depth of 3 feet. In the area near SP5, the excavation will be to a depth of 2 feet. The lined area will be cleaned out as well. All excavated materials will be disposed of at an NMOCD-approved disposal facility.

The site will then be backfilled with clean soil.



Oxy

FNR 26 Federal #1 CTB (6/6/15)



U/L M, Section 26, T23S, R30E  
Eddy County, NM  
N 32.27028° W 103.85809° at stake  
API# 30-015-30412

Lined Battery

BBC International, Inc.

Oxy  
FNR 26 Federal #1 CTB

Date: 7/15/15	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2015



# Groundwater Plot

Oxy FNR 26 Federal #1 CTB

County  
Eddy

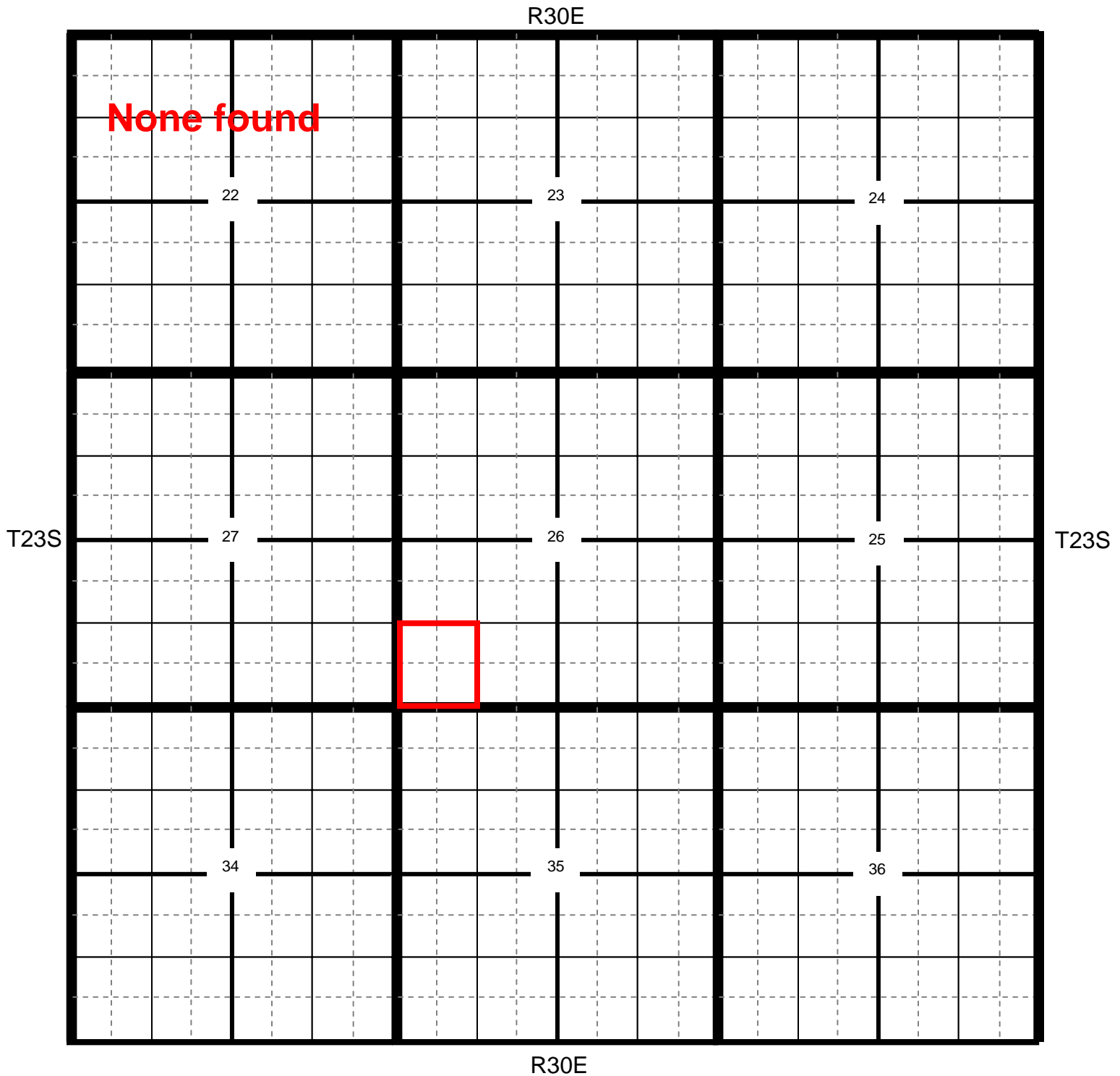
Unit Letter  
M

Section  
26

Township  
23S

Range  
30E

Trend Map 350'



Location

OCD

USGS

SEO

All Databases

## Oxy FNR Federal #1 CTB

County Eddy      Unit Letter M      Section 26      Township 23S      Range 30E

Trend Map 350'

1

2

NW/NW <b>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

**Laboratory Analytical Results Summary**  
**FNR 26 Federal #1 CTB (6/6/15)**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	7/13/15	7/13/15	7/13/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		1120	80	32
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	7/13/15	7/13/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a
Toluene	BTEX 8021B		<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	n/a
Chloride	SM4500Cl-B		96	96
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	7/13/15	7/13/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a
Toluene	BTEX 8021B		<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	n/a
Chloride	SM4500Cl-B		80	48
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 4'	SP4 @ 6'	SP4 @ 8'	SP4 @ 10'
Analyte	Method	Date	7/13/15	7/13/15	7/13/15	7/13/15	7/13/15	7/14/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		1390	1660	192	816	416	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 4'	SP5 @ 6'	SP5 @ 7'
Analyte	Method	Date	7/14/15	7/14/15	7/14/15	7/14/15	7/14/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		4320	720	688	496	64
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'
Analyte	Method	Date	7/14/15	7/14/15	7/14/15	7/14/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		496	336	416	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a

		Sample	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'
Analyte	Method	Date	7/14/15	7/14/15	7/14/15	7/14/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		528	400	432	256
GRO	TPH 8015M		<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a



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

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July 23, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FNR 26 #1

Enclosed are the results of analyses for samples received by the laboratory on 07/17/15 11:20.

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,

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For 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: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/13/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP1 @ 1' (H501846-01)**

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	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTEX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1120	16.0	07/22/2015	ND	416	104	400	7.41	

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	07/21/2015	ND	179	89.6	200	4.76	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	182	90.9	200	10.5	

Surrogate: 1-Chlorooctane 78.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.8 % 52.1-176

**Sample ID: SP1 @ 2' (H501846-02)**

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	07/22/2015	ND	416	104	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/13/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP1 @ 3' (H501846-03)**

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	07/22/2015	ND	416	104	400	3.92	

**Sample ID: SP2 @ 1' (H501846-04)**

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	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTEx	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	96.0	16.0	07/22/2015	ND	416	104	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	07/21/2015	ND	179	89.6	200	4.76	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	182	90.9	200	10.5	

Surrogate: 1-Chlorooctane 75.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.1 % 52.1-176

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\*=Accredited Analyte

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Mike Snyder For 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: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/13/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP2 @ 2' (H501846-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/22/2015	ND	416	104	400	3.92	

**Sample ID: SP3 @ 1' (H501846-06)**

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	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTEx	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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
Chloride	80.0	16.0	07/22/2015	ND	416	104	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	07/21/2015	ND	179	89.6	200	4.76	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	182	90.9	200	10.5	

Surrogate: 1-Chlorooctane 80.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.6 % 52.1-176

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Fax To: (575) 397-0397

Received: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/13/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP3 @ 2' (H501846-07)**

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	07/22/2015	ND	416	104	400	3.92	

**Sample ID: SP4 @ 1' (H501846-08)**

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	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTEx	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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
Chloride	1390	16.0	07/22/2015	ND	416	104	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	07/21/2015	ND	179	89.6	200	4.76	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	182	90.9	200	10.5	

Surrogate: 1-Chlorooctane 79.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.5 % 52.1-176

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\*=Accredited Analyte

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Mike Snyder For 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: 07/17/2015  
 Reported: 07/23/2015  
 Project Name: FNR 26 #1  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/13/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Judy Garcia

**Sample ID: SP4 @ 2' (H501846-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	07/22/2015	ND	416	104	400	3.92	

**Sample ID: SP4 @ 4' (H501846-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/22/2015	ND	416	104	400	3.92	

**Sample ID: SP4 @ 6' (H501846-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	07/22/2015	ND	416	104	400	3.92	

**Sample ID: SP4 @ 8' (H501846-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/22/2015	ND	416	104	400	3.92	

**Sample ID: SP4 @ 10' (H501846-13)**

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	07/22/2015	ND	416	104	400	3.92	

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\*=Accredited Analyte

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Mike Snyder For 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: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/14/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP5 @ 1' (H501846-14)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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
Chloride	4320	16.0	07/22/2015	ND	416	104	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	07/21/2015	ND	179	89.6	200	4.76	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	182	90.9	200	10.5	

Surrogate: 1-Chlorooctane 73.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.0 % 52.1-176

**Sample ID: SP5 @ 2' (H501846-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	07/22/2015	ND	416	104	400	3.92	

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Mike Snyder For 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: 07/17/2015  
 Reported: 07/23/2015  
 Project Name: FNR 26 #1  
 Project Number: NONE GIVEN  
 Project Location: TWIN WELLS ROAD

 Sampling Date: 07/14/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Judy Garcia

**Sample ID: SP5 @ 4' (H501846-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	07/22/2015	ND	416	104	400	3.92		

**Sample ID: SP5 @ 6' (H501846-17)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/22/2015	ND	416	104	400	3.92	

**Sample ID: SP5 @ 7' (H501846-18)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/22/2015	ND	416	104	400	3.92	

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**Analytical Results For:**

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

Received: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/14/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP6 @ 1' (H501846-19)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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
Chloride	496	16.0	07/22/2015	ND	416	104	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	07/21/2015	ND	179	89.6	200	4.76	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	182	90.9	200	10.5	

Surrogate: 1-Chlorooctane 80.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.2 % 52.1-176

**Sample ID: SP6 @ 2' (H501846-20)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/22/2015	ND	416	104	400	3.92	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/14/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP6 @ 3' (H501846-21)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/22/2015	ND	416	104	400	3.92		

**Sample ID: SP6 @ 4' (H501846-22)**

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	07/22/2015	ND	432	108	400	3.77		

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

Received: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/14/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP7 @ 1' (H501846-23)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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
Chloride	528	16.0	07/22/2015	ND	432	108	400	3.77	

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	07/21/2015	ND	179	89.6	200	4.76	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	182	90.9	200	10.5	

Surrogate: 1-Chlorooctane 73.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.6 % 52.1-176

**Sample ID: SP7 @ 2' (H501846-24)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/22/2015	ND	432	108	400	3.77	

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

Received: 07/17/2015  
Reported: 07/23/2015  
Project Name: FNR 26 #1  
Project Number: NONE GIVEN  
Project Location: TWIN WELLS ROAD

Sampling Date: 07/14/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: SP7 @ 3' (H501846-25)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/22/2015	ND	432	108	400	3.77		

**Sample ID: SP7 @ 4' (H501846-26)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/22/2015	ND	432	108	400	3.77	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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---

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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

183

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						
Project #:						
Project Owner: oxy						
Project Name: FNR ZL #1						
State: SAME						
Zip:						
Project Location:						
Sample Name: Roger Hernandez						
Fax #:						
Phone #:						
FOR LAB USE ONLY						
Lab I.D.						
Sample I.D.						
(G)RAB OR (C)OMP.						
# CONTAINERS						
GROUNDWATER						
WASTEWATER						
SOIL						
OIL						
SLUDGE						
OTHER :						
ACID/BASE:						
ICE / COOL						
OTHER :						
DATE TIME						
TPH						
BTEX						
CL-						





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

283

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

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



ARDINAL / LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]



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

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

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

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5824
Facility Name	FNR 26 Federal #1 CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-30412

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	26	23S	30E					Eddy County, NM

Latitude N 32.27028° Longitude W 103.85809°

### NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	18 bbls	Volume Recovered	0 bbls
Source of Release	Loadline valve left open	Date and Hour of Occurrence	06/06/2015	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?	Mike Bratcher and Heather Patterson-NMOCD, Jim Amos-BLM		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Hour	06/10/2015 @ 9:51 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

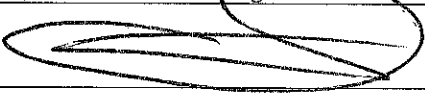
Describe Cause of Problem and Remedial Action Taken.\*

A loadline valve was left open and leaked 18 bbls of produced water onto the ground. No fluids were recovered and the valve was properly closed.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 135' x 65' with most of the leak staying inside the lined battery on location. A small area measuring 6' x 75' leaked just north of the lined facility. Remediation will be completed according to a remediation plan approved by both the BLM and NMOCD.

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: CJ Summers	Approved by Environmental Specialist:	
Title: HES Lead	Approval Date:	Expiration Date:
E-mail Address: chancey_summers@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7-13-15 Phone: (432) 685-5824		

\* Attach Additional Sheets If Necessary