



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

RECEIVED

By JKeyes at 7:32 am, Nov 23, 2015

OXY – THOMAS A #003

APPROVED

By JKeyes at 7:32 am, Nov 23, 2015

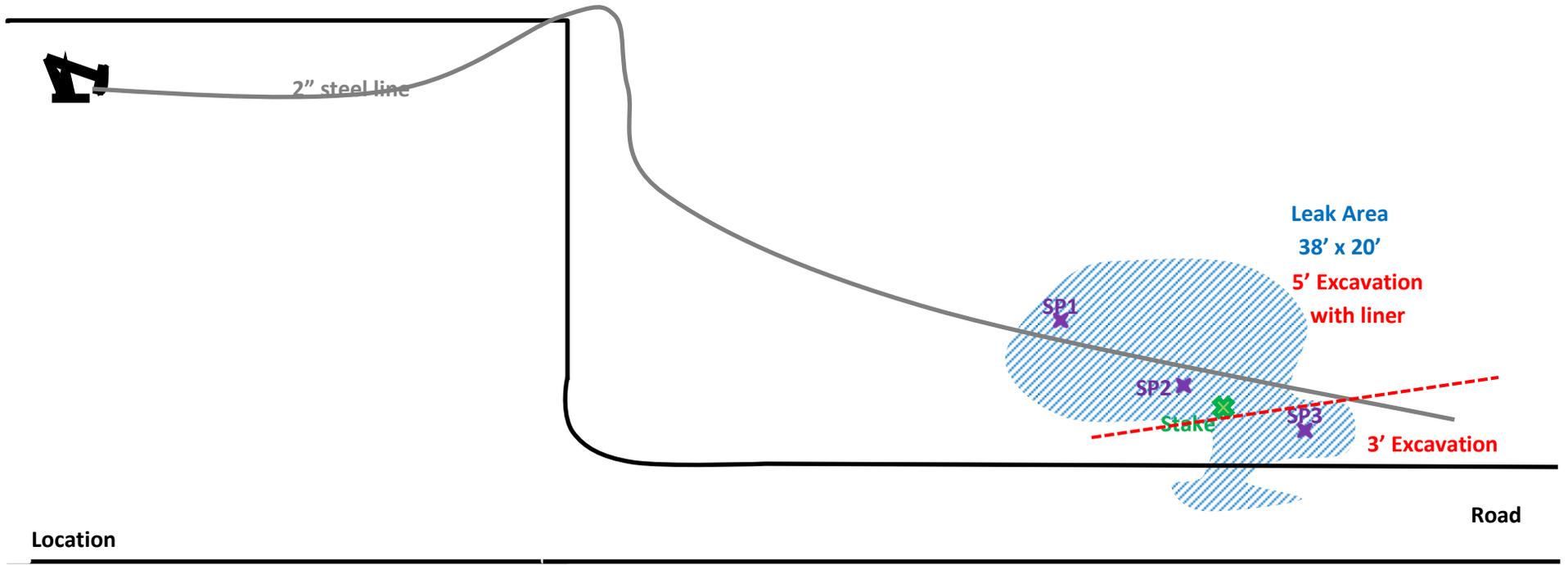
REMEDICATION PLAN

Oxy will excavate the spill area as depicted on the following site diagram. The spill area covering SP1 and SP2 will be excavated to a depth of 5 feet then a liner will be installed. The area covering SP3 will be excavated to a depth of 3 feet. The site will then be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy
Thomas A #003



Location

Road

U/L J, Section 19, T24S, R37E

Lea County, NM

N 32.20099° W 103.19897°

API#30-025-26139

BBC International, Inc.	
Oxy Thomas A #003	
Date: 09/15/15	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2015

Groundwater Plot

Oxy Thomas A #003

County
Lea

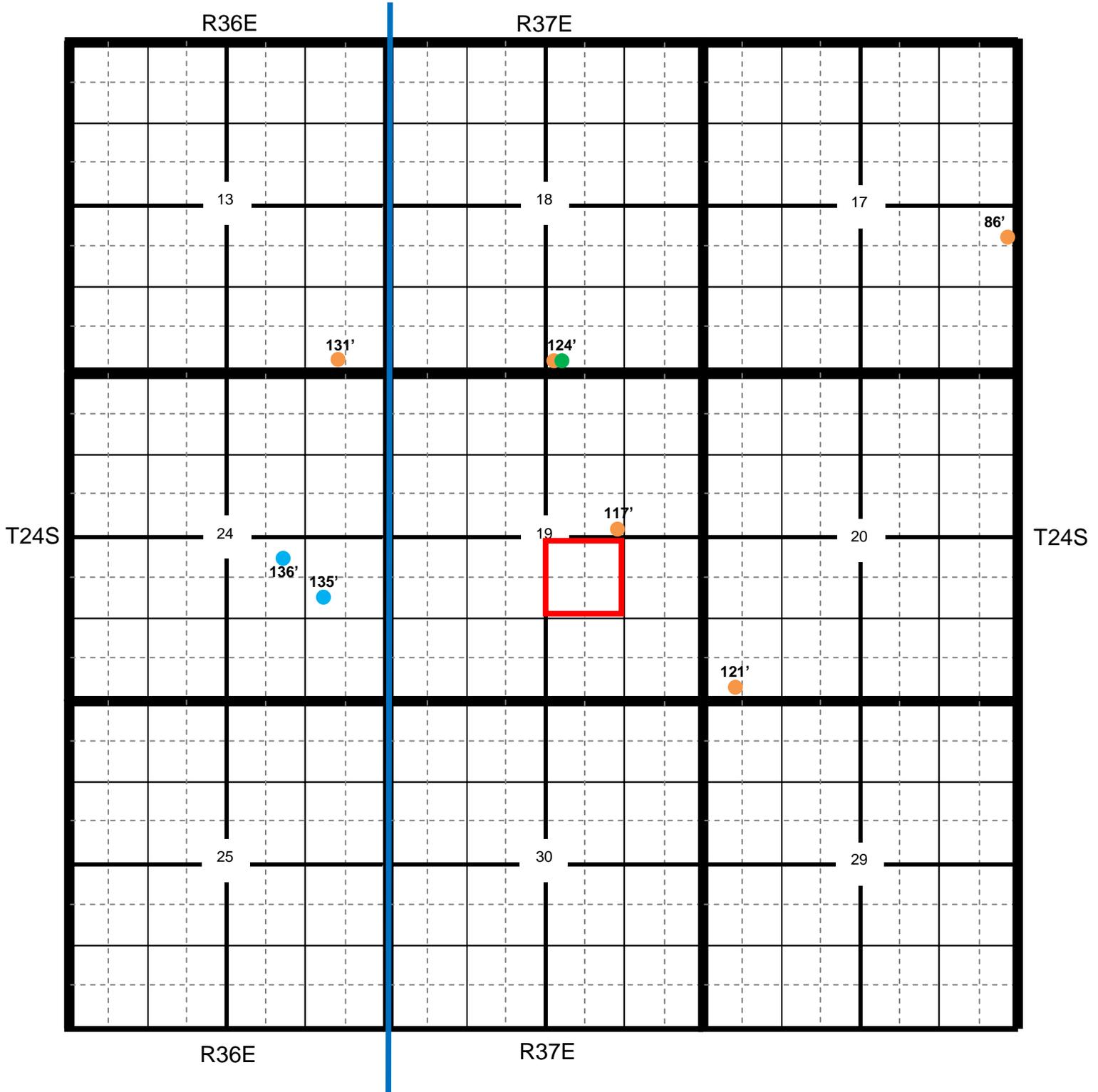
Unit Letter
J

Section
19

Township
24S

Range
37E

Trend Map 100'-125'



📍 Location

● OCD

● USGS

● SEO

● All Databases

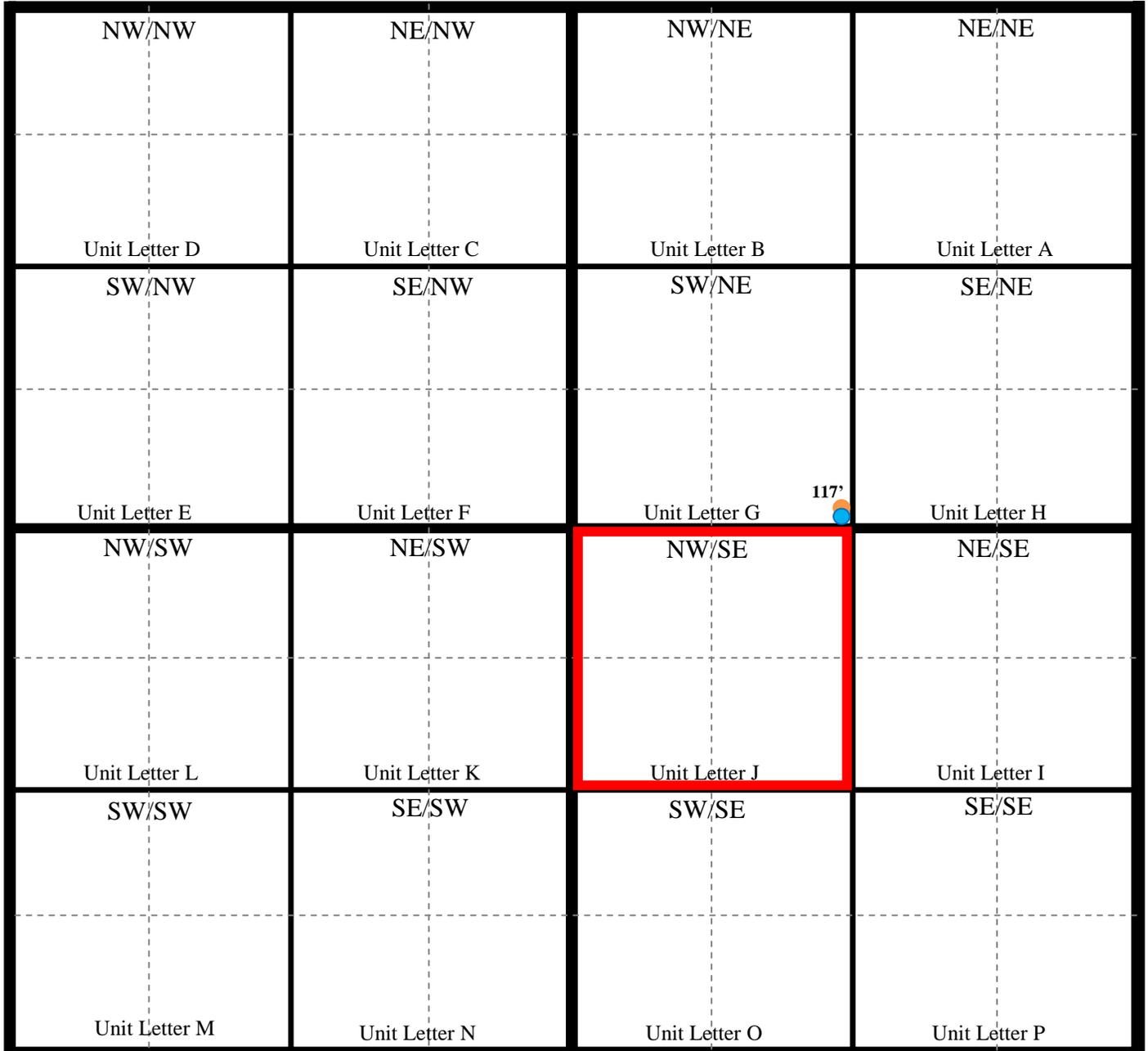
Oxy Thomas A #003

County: Lea Unit Letter: J Section: 19 Township: 24S Range: 37E

Trend Map 100'-125'

1

2



3

4

**Laboratory Analytical Results Summary
Thomas A #003**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'	SP1 @ 11'	SP1 @ 13'	SP1 @ 14'
Analyte	Method	Date	9/14/15	9/14/15	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		23.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		46.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		96.1	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		165	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		3280	3840	4960	544	2280	2400	720	288
GRO	TPH 8015M		2840	<10.0	<10.0	<10.0	<10.0	12.5	<10.0	<10.0
DRO	TPH 8015M		10200	<10.0	<10.0	110	196	505	22.6	61.4

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 9'	SP2 @ 11'	SP2 @ 13'	SP2 @ 14'
Analyte	Method	Date	9/14/15	9/14/15	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.11	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		19.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		41.6	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		80.7	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		143	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		3400	2800	5600	560	1720	1870	336	224
GRO	TPH 8015M		3010	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		11700	<10.0	<10.0	105	56.5	89.4	<10.0	79

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	9/14/15	9/21/15	9/21/15	9/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		20.7	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		39.2	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		80.6	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		140	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		3600	4080	176	96
GRO	TPH 8015M		3200	<10.0	<10.0	<10.0
DRO	TPH 8015M		11600	392	<10.0	<10.0



September 29, 2015

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

RE: THOMAS A #003

Enclosed are the results of analyses for samples received by the laboratory on 09/22/15 14:45.

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".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H502497-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	23.1	2.00	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	46.3	2.00	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	96.1	6.00	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	165	12.0	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	09/23/2015	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	2840	100	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	10200	100	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 391 % 47.2-157
Surrogate: 1-Chlorooctadecane 259 % 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:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 3' (H502497-02)

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	09/24/2015	ND	2.01	100	2.00	0.972		
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19		
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25		
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94		
Total BTEX	<0.300	0.300	09/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	09/23/2015	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	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 103 % 47.2-157
Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 5' (H502497-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/24/2015	ND	2.01	100	2.00	0.972		
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19		
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25		
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94		
Total BTEX	<0.300	0.300	09/24/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	09/23/2015	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	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 99.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 7' (H502497-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<0.300	0.300	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/23/2015	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	110	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 131 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 9' (H502497-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<0.300	0.300	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	09/23/2015	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	196	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 97.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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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:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 11' (H502497-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.500	0.500	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.500	0.500	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<1.50	1.50	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<3.00	3.00	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	09/23/2015	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	12.5	10.0	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	505	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 108 % 47.2-157
Surrogate: 1-Chlorooctadecane 119 % 52.1-176

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*=Accredited Analyte

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Analytical Results For:

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 13' (H502497-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<0.300	0.300	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/23/2015	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	22.6	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 95.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Analytical Results For:

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

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 14' (H502497-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	<0.050	0.050	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	<0.050	0.050	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	<0.300	0.300	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/24/2015	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	61.4	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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 Received: 09/22/2015
 Reported: 09/29/2015
 Project Name: THOMAS A #003
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 09/14/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H502497-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.11	1.00	09/24/2015	ND	2.01	100	2.00	0.972	
Toluene*	19.1	1.00	09/24/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	41.6	1.00	09/24/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	80.7	3.00	09/24/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	143	6.00	09/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	09/24/2015	ND	432	108	400	3.77	

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	3010	100	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	11700	100	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 433 % 47.2-157

Surrogate: 1-Chlorooctadecane 296 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 3' (H502497-10)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	09/24/2015	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	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 95.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 5' (H502497-11)

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	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	<0.300	0.300	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	09/24/2015	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 108 % 47.2-157
Surrogate: 1-Chlorooctadecane 125 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 7' (H502497-12)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	09/24/2015	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	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	105	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 104 % 47.2-157
Surrogate: 1-Chlorooctadecane 119 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 9' (H502497-13)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	09/24/2015	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	09/24/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	56.5	10.0	09/24/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 126 % 52.1-176

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 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 11' (H502497-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	<0.300	0.300	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1870	16.0	09/24/2015	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	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	89.4	10.0	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 97.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 13' (H502497-15)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/24/2015	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	09/25/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	<10.0	10.0	09/25/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

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Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 14' (H502497-16)

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	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	<0.300	0.300	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/24/2015	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	09/25/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	79.0	10.0	09/25/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 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:	09/22/2015	Sampling Date:	09/14/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H502497-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	20.7	2.00	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	39.2	2.00	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	80.6	6.00	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	140	12.0	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	09/24/2015	ND	432	108	400	3.77	

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	3200	100	09/25/2015	ND	178	88.8	200	12.4		
DRO >C10-C28	11600	100	09/25/2015	ND	226	113	200	0.764		

Surrogate: 1-Chlorooctane 430 % 47.2-157

Surrogate: 1-Chlorooctadecane 303 % 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
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 3' (H502497-18)

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	09/26/2015	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837	
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03	
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741	
Total BTEX	<0.300	0.300	09/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	09/24/2015	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	09/24/2015	ND	162	80.9	200	1.42	
DRO >C10-C28	392	10.0	09/24/2015	ND	173	86.3	200	0.855	

Surrogate: 1-Chlorooctane 72.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 75.9 % 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
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 5' (H502497-19)

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	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/24/2015	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	09/24/2015	ND	162	80.9	200	1.42		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	173	86.3	200	0.855		

Surrogate: 1-Chlorooctane 76.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 73.6 % 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
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	THOMAS A #003	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 6' (H502497-20)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2015	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	09/26/2015	ND	1.89	94.6	2.00	0.837		
Ethylbenzene*	<0.050	0.050	09/26/2015	ND	1.80	90.0	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2015	ND	5.76	96.1	6.00	0.741		
Total BTEX	<0.300	0.300	09/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/24/2015	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	09/24/2015	ND	162	80.9	200	1.42		
DRO >C10-C28	<10.0	10.0	09/24/2015	ND	173	86.3	200	0.855		

Surrogate: 1-Chlorooctane 69.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 76.0 % 52.1-176

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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.
- 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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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
 Project #: Project Owner: Oxy
 Project Name: Thomas A #003
 Project Location: Lea County, NM
 Sampler Name: Roger Hernandez
 P.O. #:
 Company: Dusty Wilson
 Attn:
 Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX	CI	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H502497	1		1			✓					9/14/15	9:59 AM	✓	✓	✓	
	2		1			✓					9/14/15	10:48 AM	✓	✓	✓	
	3		1			✓					9/21/15	9:46 AM	✓	✓	✓	
	4		1			✓					9/21/15	10:10 AM	✓	✓	✓	
	5		1			✓					9/21/15	10:36 AM	✓	✓	✓	
	6		1			✓					9/21/15	11:05 AM	✓	✓	✓	
	7		1			✓					9/21/15	11:44 AM	✓	✓	✓	
	8		1			✓					9/21/15	12:05 PM	✓	✓	✓	
	9		1			✓					9/14/15	11:38 AM	✓	✓	✓	
	10		1			✓					9/14/15	12:55 PM	✓	✓	✓	

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Relinquished By: [Signature] Date: 9-22-15 Received By: [Signature] Phone Result: Yes No Add'l Phone #:
 Time: 2:45
 Date: Received By: [Signature] Fax Result: Yes No Add'l Fax #:
 Time:
 Delivered By: (Circle One) 5.160 Sample Condition Cool Intact Yes No No No CHECKED BY: [Signature]
 Sampler - UPS - Bus - Other: 5.160

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



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: BBC International, Inc.	P.O. #: <i>MSB/W/SM</i>
Project Manager: Cliff Brunson	Company: <i>MSB/W/SM</i>
Address: P.O. Box 805	Attn:
City: Hobbs	Address:
Phone #: 575-397-6388	City:
Fax #: 575-397-0397	State:
Project #: <i>Thomas A #003</i>	Zip:
Project Name: Thomas A #003	Phone #:
Project Location: Lea County, NM	Fax #:
Sampler Name: Roger Hernandez	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	BTEX	CI	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
<i>H502471</i>	SP2 @ 5'		1			<input checked="" type="checkbox"/>							9/21/15	1:22 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 7'		1			<input checked="" type="checkbox"/>							9/21/15	1:48 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 9'		1			<input checked="" type="checkbox"/>							9/21/15	2:09 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 11'		1			<input checked="" type="checkbox"/>							9/21/15	2:38 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 13'		1			<input checked="" type="checkbox"/>							9/21/15	3:08 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP2 @ 14'		1			<input checked="" type="checkbox"/>							9/21/15	3:17 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP3 @ 1'		1			<input checked="" type="checkbox"/>							9/14/15	1:38 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP3 @ 3'		1			<input checked="" type="checkbox"/>							9/21/15	3:30 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP3 @ 5'		1			<input checked="" type="checkbox"/>							9/21/15	3:47 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SP3 @ 6'		1			<input checked="" type="checkbox"/>							9/21/15	4:00 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Relinquished By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Time: <i>2:45 PM</i>	Received By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Time: <i>5:02</i>
Relinquished By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Time: <i>2:45 PM</i>	Received By: <i>[Signature]</i>	Date: <i>9-22-15</i>	Time: <i>5:02</i>
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>5.02</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Checked By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
REMARKS:					

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

#54

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Bruzos 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	Dusty Wilson
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5771
Facility Name	Thomas A #003	Facility Type	Well
Surface Owner	Pruett	Mineral Owner	
		API No.	30-025-26139

LOCATION OF RELEASE

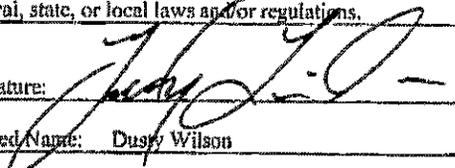
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	19	24S	37E					Lea County, NM

Latitude N 32.20099° Longitude W 103.19897°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	5 bbls oil, 7 bbls produced water	Volume Recovered	5 bbls
Source of Release	Stress/fatigue of 3" poly flow line	Date and Hour of Occurrence	09/06/2015	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?	Kellie Jonas, Jamie Keyes, & Tomas Oberding-NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	09/08/2015		
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 flow line caused 5 bbls of oil and 7 bbls of produced water to leak onto the ground. A vacuum truck recovered 5 bbls of fluids and the line was repaired/replaced.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 33' x 20' off location just north of the entrance road. Remediation will be completed in accordance with a remediation plan approved by NMOCD.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					

OIL CONSERVATION DIVISION

Signature:			
Printed Name:	Dusty Wilson	Approved by Environmental Specialist:	
Title:	Environmental Advisor	Approval Date:	Expiration Date:
E-mail Address:	Dusty.Wilson@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	9/21/15	Phone:	(432) 685-5771

* Attach Additional Sheets If Necessary