

Closure Report

RECEIVED

OCT 17 2013

Site Description		NMOCD ARTESIA
Site Name:	Winston #6	2RP-826
Company:	Oxy Permian Ltd.	
Legal Description:	U/L E, Section 31, T21S, R24E	
County:	Eddy County, NM	
GPS Coordinates:	N 32.44203° W 104.53739°	

Release Data	
Date of Release:	06/28/2011
Type of Release:	Oil and produced water
Source of Release:	Steel flow line leak
Volume of Release:	6 bbls oil and 50 bbls water
Volume Recovered:	0 bbls

Remediation Specifications	
Remediation Parameters:	Excavate the impacted soil to a depth of 1.5 feet across the entire leak area. The excavation will then be backfilled with the appropriate clean soil. Affected pasture areas will be re-seeded with appropriate BLM seed mixture if necessary.
Remediation Activities:	09/25/2013 to 10/08/2013

Plan Sent to OCD:	12/17/2012	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	01/15/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	01/23/2013	Email from Cliff Brunson to Terry Gregston
BLM Approval of Plan:	04/12/2013	Email from James Amos to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 07/06/2011
Final C-141	Signed 10/15/2013
Site Diagram	September 2012
Groundwater Plot	50'
TOPO Maps	September 2012
Lab Summary	11/02/2012-11/05/2012
Lab Analysis	11/02/2012-11/05/2012
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.	10/16/2013

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

STATE OF NEW MEXICO
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

nmlb 1122256946

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company OXY USA	192463	Contact Kelton Beaird
Address 1502 W. Commerce Carlsbad, NM 88220		Telephone No. (O) 575-628-4100
Facility Name Winston 6		Facility Type Gas Well

Surface Owner	Mineral Owner	Lease No. API: 3001532116
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	31	21S	24E					Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water & Oil	Volume of Release 50 water / 6 oil	Volume Recovered 0
Source of Release Steel flowline	Date and Hour of Occurrence	Date and Hour of Discovery 6-27-11 @ 9:46 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher: NMOCD	
By Whom? Kelton Beaird (Oxy)	Date and Hour See above 6/28/11 8:24 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.*
Flowline leaked


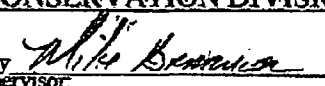
Describe Area Affected and Cleanup Action Taken.*
Fluid ran down an arroyo approx. 1000 ft. Clean-up plan will be submitted for approval

RECEIVED

JUL 11 2011

NMOCD ARTESIA

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Kelton Beaird	Signed By  Approved by District Supervisor	
Title: HES Specialist	Approval Date: AUG 10 2011	Expiration Date:
E-mail Address: kelton.beaird@oxy.com	Conditions of Approval: _____ Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:	Attached <input type="checkbox"/>
Date: 7-6-11		

* Attach Additional Sheets, If Necessary.

2RA-826

District I
1625 N. French Dr., Hobbs, NM 88240
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1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Winston #6	Facility Type	Gas Well

Surface Owner	Mineral Owner	API No.	30-015-32116
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	31	21S	24E					Eddy County, NM

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Produced water & Oil	Volume of Release	50 bbls water, 6 bbls oil	Volume Recovered	0 bbls
Source of Release	Steel flowline	Date and Hour of Occurrence		Date and Hour of Discovery	06/27/2011
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- NMOCD		
By Whom?	Kelton Beard (Oxy)	Date and Hour	06/28/2011 @ 8:24 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 steel flowline leak caused 50 bbls of produced water and 6 bbls of oil to leak onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The area affected is approximately 1200' x 10'. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 01/15/2013 and approved by James Amos of the BLM via email on 04/12/2013.

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

OIL CONSERVATION DIVISION

Signature:

Printed Name: Christopher Jones

Title: HES Specialist

E-mail Address: Christopher.Jones@oxy.com

Date: 10-15-13 Phone: (575) 628-4121

Approved by District Supervisor:

Approval Date:

Expiration Date:

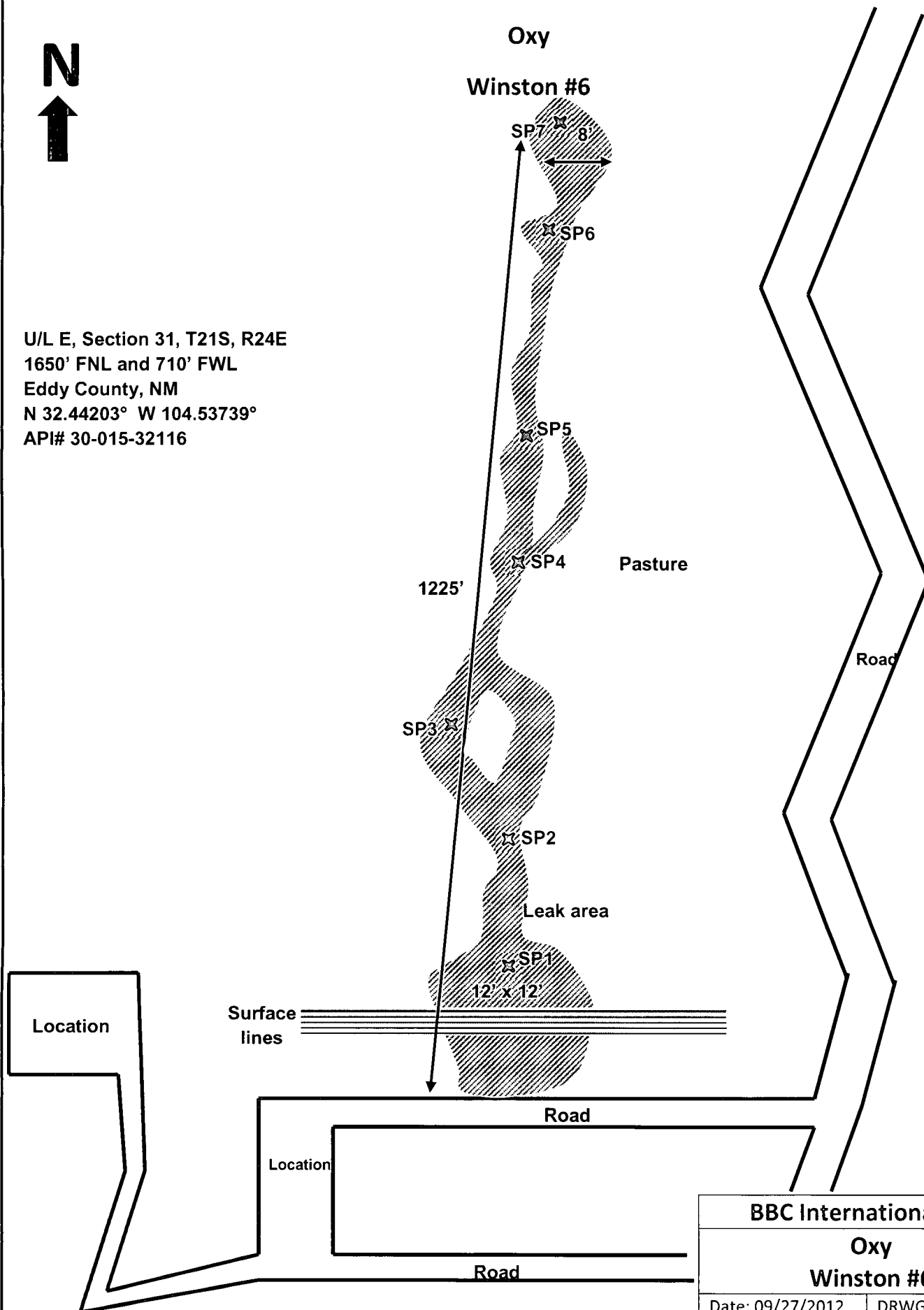
Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary



U/L E, Section 31, T21S, R24E
1650' FNL and 710' FWL
Eddy County, NM
N 32.44203° W 104.53739°
API# 30-015-32116



BBC International, Inc.

Oxy
Winston #6

Date: 09/27/2012

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2012



Groundwater Plot

Oxy Winston #6

County
Eddy

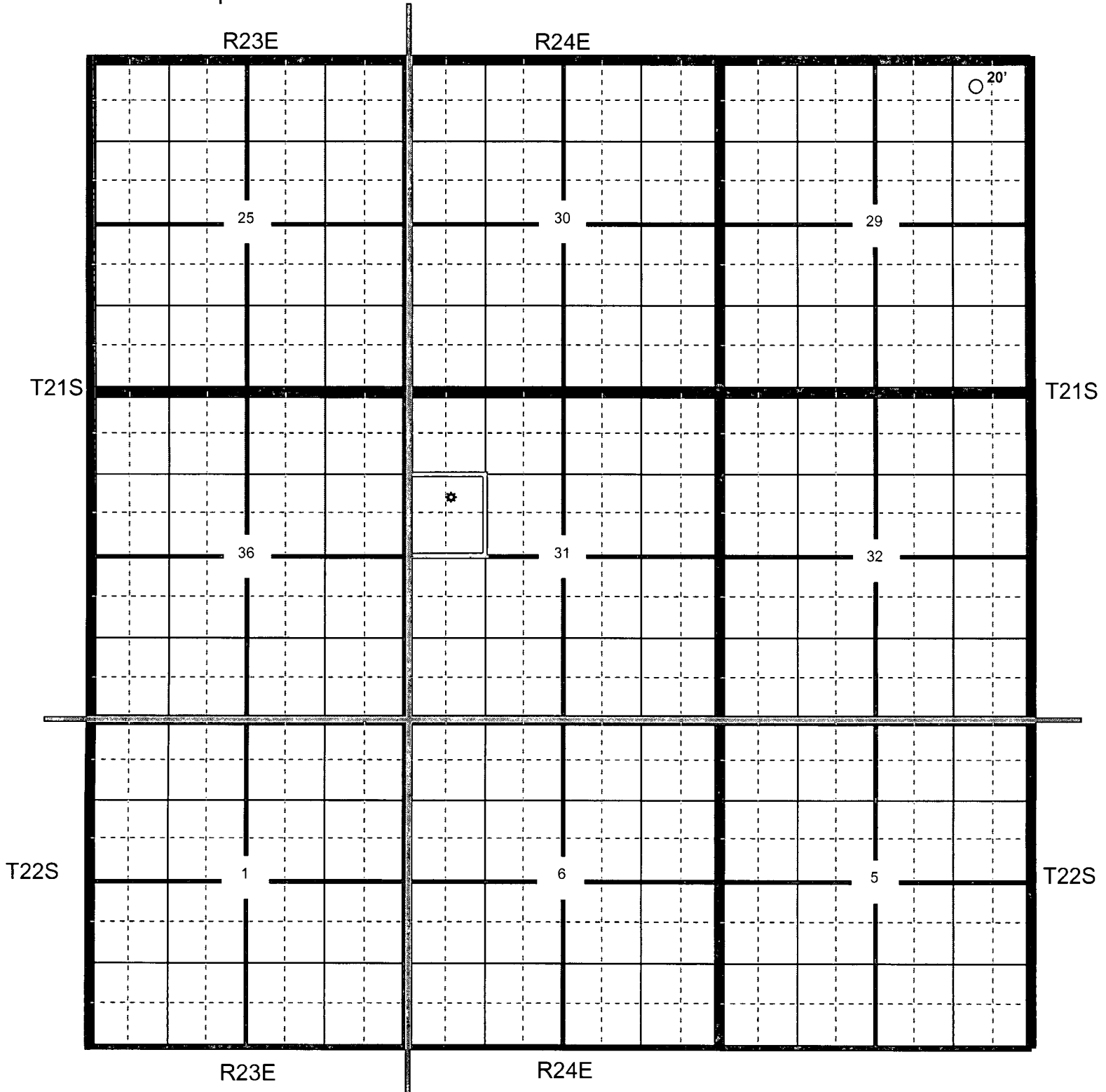
Unit Letter
E

Section
31

Township
21S

Range
24E

Trend Map <50'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases

Section Quarters

Oxy Winston #6

County Eddy Unit Letter E Section 31 Township 21S Range 24E

Trend Map <50'

1

2

NW/NW None	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

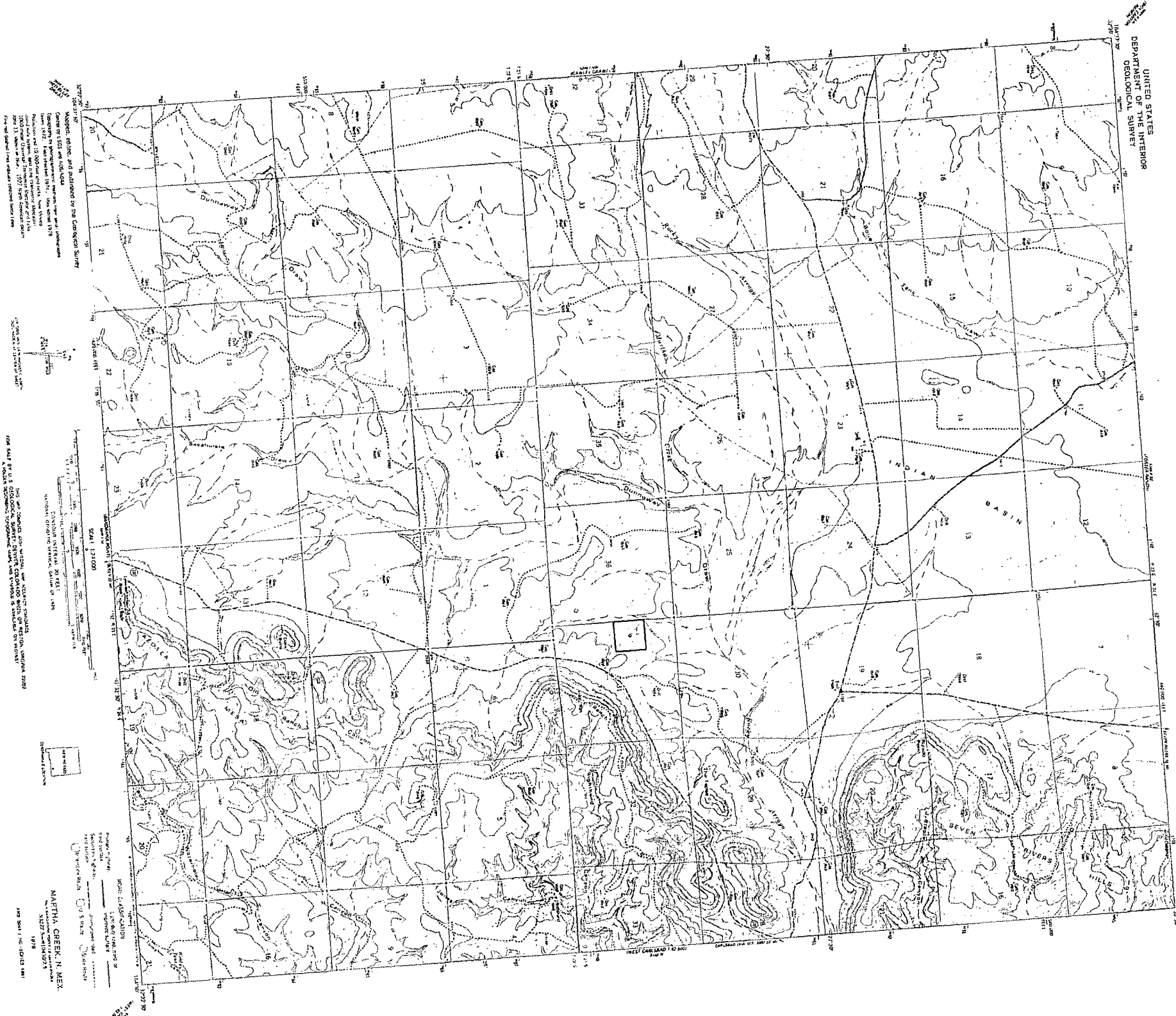
Oxy

Winston #6

MARTHA CREEK QUADRANGLE
NEW MEXICO—ESSO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE 4 SEQUENTIAL POINT IS QUADRANGLE

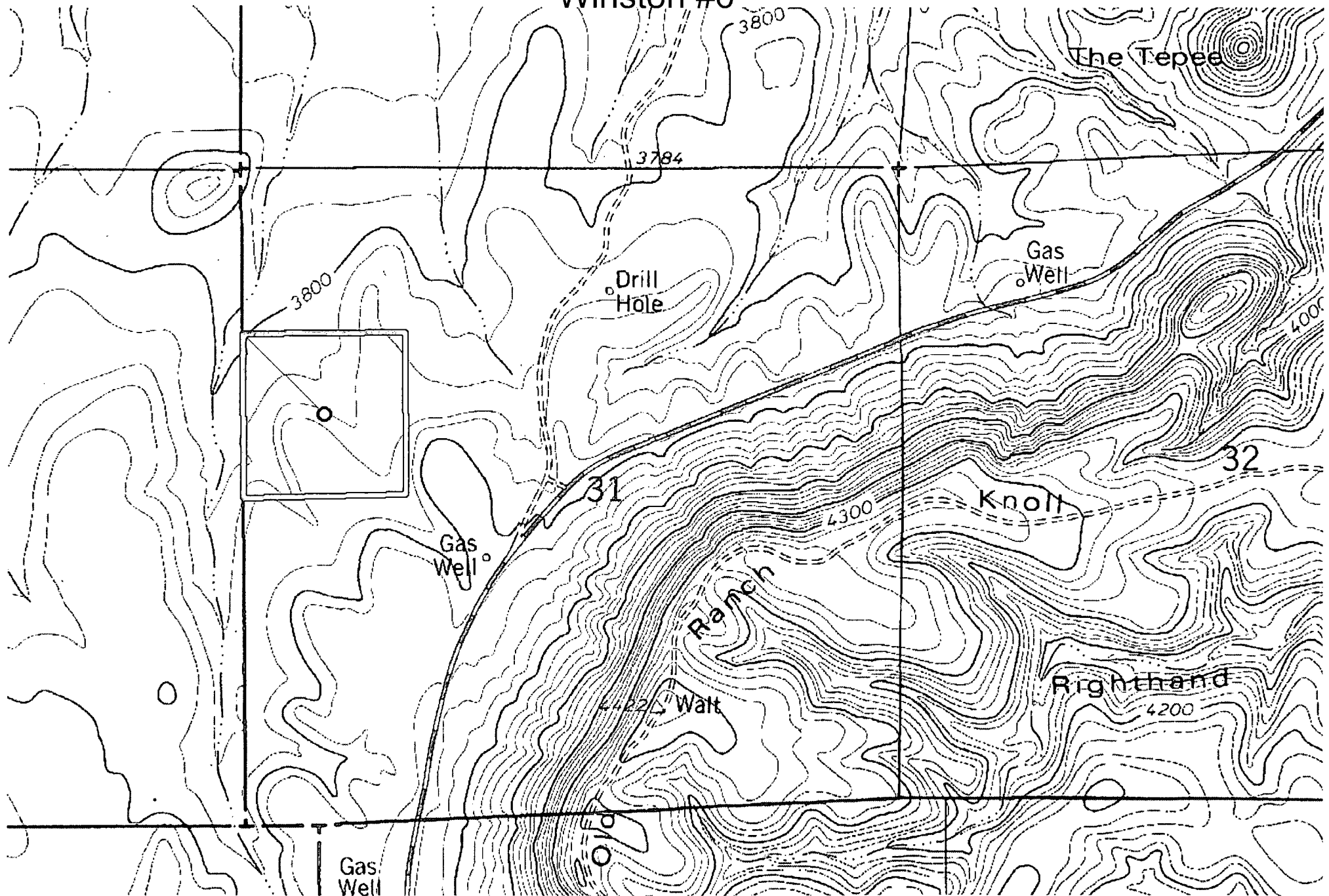
100'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Oxy

Winston #6



Laboratory Analytical Results Summary
Oxy, Winston #6

		Sample	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	11/2/12	11/2/12
			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	SM4500CI-B		<16.0	64
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		8960	40.1

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	11/2/12	11/2/12
			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	SM4500CI-B		48	96
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		872	32

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	11/2/12	11/5/12
			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	SM4500CI-B		16	64
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		43.2	20.8

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	11/5/12	11/5/12
			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	SM4500CI-B		1920	80
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		382	21.5

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	11/5/12	11/5/12
			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	SM4500CI-B		1280	96
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		455	29.1

		Sample	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	11/5/12	11/5/12
			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	SM4500CI-B		992	64
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		220	13.2

		Sample	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	11/5/12	11/5/12
			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	SM4500CI-B		1460	80
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		2430	35.5

November 12, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WINSTON #6

Enclosed are the results of analyses for samples received by the laboratory on 11/06/12 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

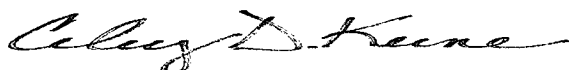
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H202697-01)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8	
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7	
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6	
Total BTEX	<0.300	0.300	11/08/2012	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/08/2012	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	<50.0	50.0	11/07/2012	ND	198	99.2	200	8.76		
DRO >C10-C28	8960	50.0	11/07/2012	ND	214	107	200	11.7		

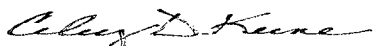
Surrogate: 1-Chlorooctane 84.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 241 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H202697-02)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8	
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7	
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6	
Total BTEX	<0.300	0.300	11/08/2012	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/08/2012	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	11/07/2012	ND	198	99.2	200	8.76	
DRO >C10-C28	40.1	10.0	11/07/2012	ND	214	107	200	11.7	


Surrogate: 1-Chlorooctane 70.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.0 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (505) 397-0397

Received: 11/06/2012
Reported: 11/12/2012
Project Name: WINSTON #6
Project Number: NONE GIVEN
Project Location: INDIAN BASIN

Sampling Date: 11/02/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H202697-03)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7		
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8		
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7		
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6		
Total BTEX	<0.300	0.300	11/08/2012	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/08/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

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	11/07/2012	ND	198	99.2	200	8.76	
DRO >C10-C28	872	10.0	11/07/2012	ND	214	107	200	11.7	

Surrogate: 1-Chlorooctane 85.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (505) 397-0397

Received: 11/06/2012
Reported: 11/12/2012
Project Name: WINSTON #6
Project Number: NONE GIVEN
Project Location: INDIAN BASIN

Sampling Date: 11/02/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H202697-04)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7		
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8		
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7		
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6		
Total BTEX	<0.300	0.300	11/08/2012	ND						

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

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	11/08/2012	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	11/07/2012	ND	198	99.2	200	8.76	
DRO >C10-C28	32.0	10.0	11/07/2012	ND	214	107	200	11.7	

Surrogate: 1-Chlorooctane 89.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H202697-05)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8	
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7	
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6	
Total BTEX	<0.300	0.300	11/08/2012	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/08/2012	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	11/07/2012	ND	198	99.2	200	8.76	
DRO >C10-C28	43.2	10.0	11/07/2012	ND	214	107	200	11.7	


Surrogate: 1-Chlorooctane 84.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.5 % 63.6-154

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 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/05/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2' (H202697-06)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7		
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8		
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7		
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6		
Total BTEX	<0.300	0.300	11/08/2012	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/08/2012	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	11/07/2012	ND	194	97.2	200	0.930	
DRO >C10-C28	20.8	10.0	11/07/2012	ND	211	105	200	1.46	

Surrogate: 1-Chlorooctane 89.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/05/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 1' (H202697-07)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8	
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7	
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6	
Total BTEX	<0.300	0.300	11/08/2012	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	11/08/2012	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	11/08/2012	ND	194	97.2	200	0.930	
DRO >C10-C28	382	10.0	11/08/2012	ND	211	105	200	1.46	

Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Received: 11/06/2012
Reported: 11/12/2012
Project Name: WINSTON #6
Project Number: NONE GIVEN
Project Location: INDIAN BASIN

Sampling Date: 11/05/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 2' (H202697-08)

BTEx 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8	
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7	
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6	
Total BTEx	<0.300	0.300	11/08/2012	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/08/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

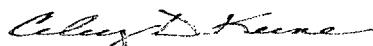
Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/05/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 @ 1' (H202697-09)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2012	ND	1.82	91.0	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2012	ND	2.02	101	2.00	12.8	
Ethylbenzene*	<0.050	0.050	11/08/2012	ND	2.03	101	2.00	13.7	
Total Xylenes*	<0.150	0.150	11/08/2012	ND	6.16	103	6.00	13.6	
Total BTEX	<0.300	0.300	11/08/2012	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	11/08/2012	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	11/08/2012	ND	194	97.2	200	0.930	
DRO >C10-C28	455	10.0	11/08/2012	ND	211	105	200	1.46	

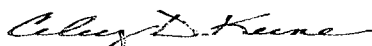
Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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Analytical Results For:

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 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/05/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 @ 2' (H202697-10)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45		
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70		
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2		
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53		
Total BTEX	<0.300	0.300	11/09/2012	ND						

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

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	11/08/2012	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	11/08/2012	ND	194	97.2	200	0.930	
DRO >C10-C28	29.1	10.0	11/08/2012	ND	211	105	200	1.46	

Surrogate: 1-Chlorooctane 87.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Received: 11/06/2012
Reported: 11/12/2012
Project Name: WINSTON #6
Project Number: NONE GIVEN
Project Location: INDIAN BASIN

Sampling Date: 11/05/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 @ 1' (H202697-11)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45	
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70	
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53	
Total BTEX	<0.300	0.300	11/09/2012	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	11/08/2012	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	11/08/2012	ND	194	97.2	200	0.930	
DRO >C10-C28	220	10.0	11/08/2012	ND	211	105	200	1.46	

Surrogate: 1-Chlorooctane 93.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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Analytical Results For:

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 Hobbs NM, 88241
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 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/05/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 2' (H202697-12)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45		
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70		
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2		
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53		
Total BTEX	<0.300	0.300	11/09/2012	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/08/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

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	11/08/2012	ND	194	97.2	200	0.930	
DRO >C10-C28	13.2	10.0	11/08/2012	ND	211	105	200	1.46	

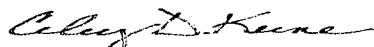
Surrogate: 1-Chlorooctane 86.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.1 % 63.6-154

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 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/05/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 1' (H202697-13)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45		
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70		
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2		
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53		
Total BTEX	<0.300	0.300	11/09/2012	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	11/08/2012	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/08/2012	ND	194	97.2	200	0.930	
DRO >C10-C28	2430	10.0	11/08/2012	ND	211	105	200	1.46	

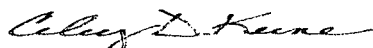
Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 175 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WINSTON #6
 Project Number: NONE GIVEN
 Project Location: INDIAN BASIN

 Sampling Date: 11/05/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 2' (H202697-14)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45		
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70		
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2		
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53		
Total BTEX	<0.300	0.300	11/09/2012	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/08/2012	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	11/08/2012	ND	194	97.2	200	0.930	
DRO >C10-C28	35.5	10.0	11/08/2012	ND	211	105	200	1.46	

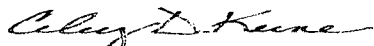
Surrogate: 1-Chlorooctane 90.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

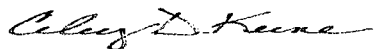
Notes and Definitions

- 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.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

112

Company Name: BBC International, Inc.										BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson										P.O. #:		<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>											
Address: P.O. Box 805										Company:													
City: Hobbs State: NM Zip: 88241										Attn:													
Phone #: 575-397-6388 Fax #: 575-397-0397										Address:													
Project #: Project Owner: OXY										City: SAME													
Project Name: Winston #6										State: Zip:													
Project Location: Indian Basin										Phone #:													
Sampler Name: Jeff Brunson										Fax #:													
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		G/RAB OR (COMP. #) CONTAINERS		MATRIX				PRESERV.		SAMPLING											
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME											
H202187				1		X				X		11-7 100		X X X									
2		SP101		2		X				X		200		X X X									
3		SP201		3		X				X		211		X X X									
4		SP201		4		X				X		300		X X X									
5		SP301		5		X				X		334		X X X									
6		SP401		6		X				X		11-5 849		X X X									
7		SP401		7		X				X		950		X X X									
8		SP401		8		X				X		107		X X X									
9		SP501		9		X				X		1100		X X X									
10		SP501		10		X				X		1133		X X X									

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Relinquished By: <i>Jeff Brunson</i>		Date: 11-6-12		Received By: <i>Jodi Benson</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 1:45						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		(Initials):			

† 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

2/2

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> </div>																			
Address: P.O. Box 805				Company:																							
City: Hobbs State: NM Zip: 88241				Attn:																							
Phone #: 575-397-6388 Fax #: 575-397-0397				Address: Same																							
Project #:				City:																							
Project Name: Winston #6				State: Zip:																							
Project Location: Indian Basin				Phone #:																							
Sampler Name: Jeff Orndorff				Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(C)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
H2021897																											
11	Sp 1601	C1				X					X		11-5	101	X	X	X										
12	02	C1				X					X		1	129	X	X	X										
13	Sp 701	C1				X					X		211		X	X	X										
14	02	C1				X					X		240		X	X	X										

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Relinquished By: <i>J. O. O'S</i>	Date: 11-6-12	Received By: <i>Jodi Nenson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 11:45		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>4/1</i>		

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

#26

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Tuesday, January 15, 2013 10:38 AM
To: Cliff P. Brunson
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Oxy Winston #6

Reference: OXY USA * Winston Gas Com 6 * 30-015-32116 * E-31-21s-24e * Eddy County, New Mexico
NMOCD Tracking Number: 2RP-826 * Date of release: (Discovered 6/27/11)

Cliff,

Your proposal for remediation of the above referenced release is approved. The site is situated on Federal surface and may 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, 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 P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Monday, December 17, 2012 7:09 PM
To: Bratcher, Mike, EMNRD
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Oxy Winston #6

Mike,

This e-mail is to confirm our discussion on December 17, 2012 concerning the remediation plan for the release that occurred at the Oxy Winston #6. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will excavate 1.5 feet across the entire impacted area as depicted on the attached site diagram. The excavation will then be backfilled with clean soil. The depth to groundwater in this area is approximately 50 feet.

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

Oxy and I thank you for your assistance in handling this matter.

Thanks, Cliff

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

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Kathy Purvis

From: Amos, James <jamos@blm.gov>
Sent: Friday, April 12, 2013 7:03 AM
To: Cliff P. Brunson
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: FW: Oxy-Winston #6-Remediation Plan

Cliff,

You are approved to proceed with the remediation plans as per request. Once depth has been achieved, provide notification, giving BLM an opportunity to validate.

Thanks,

J. Amos

On Fri, Apr 5, 2013 at 11:07 AM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jim,

I sent this plan for approval to Terry back on January 23 right after our meeting and before she left for her new post and I never received anything back. Would you please review and approve or address any questions you may have.

I greatly appreciate it.

Thanks, Cliff

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

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From: Cliff Brunson <cbrunson@bbcinternational.com>
Date: Wednesday, January 23, 2013 6:40 PM
To: Terry Gregston <tgregsto@blm.gov>
Cc: James Amos <jamos@blm.gov>, Chris Jones <Christopher_Jones@oxy.com>, Ken Swinney <kswinney@bbcinternational.com>, Jennifer Gilkey <jgilkey@bbcinternational.com>, Kathy Purvis <kathy@bbcinternational.com>
Subject: Oxy-Winston #6-Remediation Plan

Terry,

I have attached a remediation packet of information for your review. This is the same information that was presented in our meeting on January 22, 2013. The packet includes a site diagram with sample points,, a lab data summary table, and the original lab data. As we discussed, Oxy will excavate the impacted soil to a depth of 1.5 feet across the entire leak area as depicted on the diagram. The excavation will then backfilled with appropriate clean soil. Any pasture areas affected and/or disturbed will be re-seeded with the appropriate BLM seed mixture as well.

Oxy is therefore requesting the approval of the BLM to proceed with the submitted remediation plan. If you would please respond back via e-mail with your approval, it would be greatly appreciated. If you have any questions, please let us know.

Thank you,

Cliff

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

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U/L E, Section 31, T21S, R24E
1650' FNL and 710' FWL
Eddy County, NM
N 32.44203° W 104.53739°
API# 30-015-32116

Attachment:
Remediation
Packet

Oxy
Winston #6

SP7 8'

SP6

SP5

SP4

Pasture

1225'

SP3

SP2

Leak area

SP1

12' x 12'

Surface
lines

Location

Road

Location

Road

Road

BBC International, Inc.

Oxy
Winston #6

Date: 09/27/2012

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2012

Laboratory Analytical Results Summary
Oxy, Winston #6

		Sample	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	11/2/12	11/2/12
			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		<16.0	64
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		8960	40.1

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	11/2/12	11/2/12
			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		48	96
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		872	32

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	11/2/12	11/5/12
			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		16	64
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		43.2	20.8

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	11/5/12	11/5/12
			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		1920	80
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		382	21.5

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	11/5/12	11/5/12
			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		1280	96
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		455	29.1

		Sample	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	11/5/12	11/5/12
			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		992	64
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		220	13.2

		Sample	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	11/5/12	11/5/12
			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		1460	80
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		2430	35.5