

Closure Report

RECEIVED

OCT 17 2013

NMOCD ARTESIA

Site Description

Site Name:	Harroun 9-1
Company:	Oxy Permian Ltd.
Legal Description:	U/L P, Section 9, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.22675° W 103.98229°

Release Data

Date of Release:	06/13/2013
Type of Release:	Oil
Source of Release:	Mechanical error sent oil down a gas line, tank overflow
Volume of Release:	40 bbls
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the leak area represented by sample points SP1 and SP2 to a depth of 2.5 feet. The area represented by SP3 will be excavated to a depth of 1.5 feet or as practicable. Then, backfill the site with the appropriate clean soil.
Remediation Activities:	09/16/2013 to 10/07/2013

Plan Sent to OCD:	09/21/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	10/04/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	Not required	Not required
BLM Approval of Plan:	Not required	Not required

Supporting Documentation

Initial C-141	Signed 06/24/2013
Final C-141	Signed 10/15/2013
Site Diagram	July 2013
Groundwater Plot	75'
TOPO Maps	July 2013
Lab Summary	07/09/2013
Lab Analysis	07/09/2013
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.

10/15/2013

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Harroun 9-1	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-34997

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	9	24S	29E	530	South	330	East	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	40 bbls oil	Volume Recovered	0 bbls oil
Source of Release	Mechanical error sent oil down a gas line causing tank to overflow	Date and Hour of Occurrence	06/13/2013	Date and Hour of Discovery	06/13/2013
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; Jennifer Van Curen, James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	06/17/2013 @ 8:03 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.*

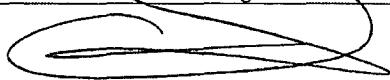
Describe Cause of Problem and Remedial Action Taken.*

A mechanical error sent oil down the gas line causing the tank to overflow and leak 40 bbls of oil to leak onto the ground. No fluids were recovered and mechanical error was corrected.

Describe Area Affected and Cleanup Action Taken.*

A mechanical error sent oil down the gas line causing the tank to overflow and leak 40 bbls of oil to leak onto the ground. No fluids were recovered and mechanical error was corrected. Remediation will be conducted in accordance with a plan approved by NMOCD and the BLM.

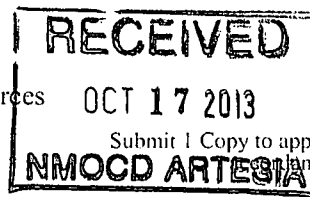
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger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

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 6-24-13 Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
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Form C-141
Revised August 8, 2011

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

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Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Harroun 9-1	Facility Type	Well location
Surface Owner	State/Private	Mineral Owner	
		API No.	30-015-34997

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	9	24S	29E	530	South	330	East	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	40 bbls oil	Volume Recovered	0 bbls oil
Source of Release	Mechanical error sent oil down a gas line causing tank to overflow	Date and Hour of Occurrence	06/13/2013	Date and Hour of Discovery	06/13/2013
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?	Chancey Summers	Date and Hour	06/17/2013 @ 8:03 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

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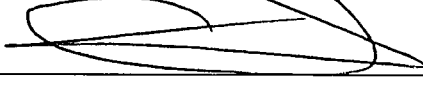
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Describe Area Affected and Cleanup Action Taken.*

A mechanical error sent oil down the gas line causing the tank to overflow and leak 40 bbls of oil to leak onto the ground. No fluids were recovered and mechanical error was corrected. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 10/04/2013.

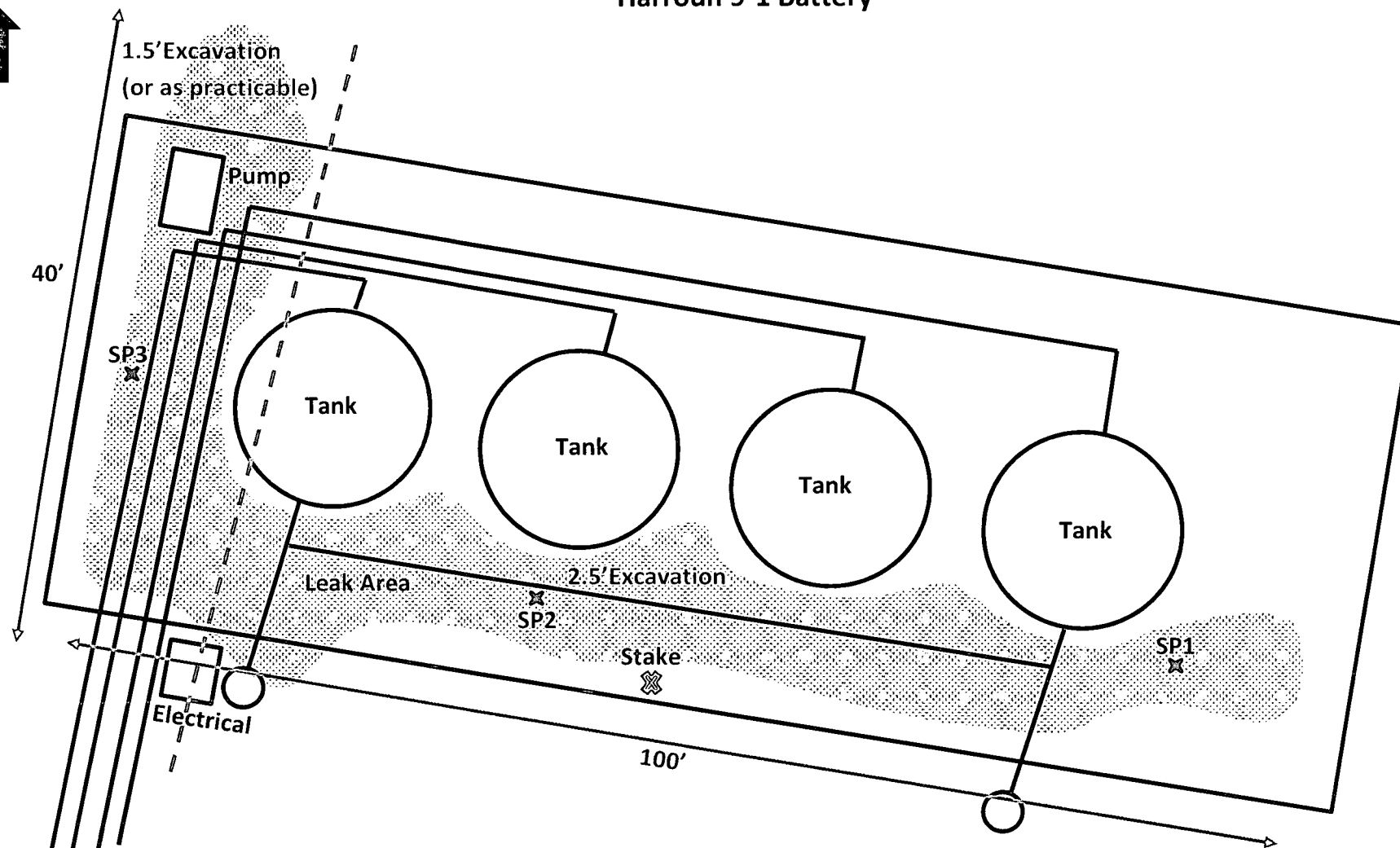
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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.

Signature: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 10/15/13	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary



Oxy
Harroun 9-1 Battery



U/L P, Section 9, T24S, R29E
530' FSL and 330' FEL
Eddy County, NM
N 32.22675° W 103.98229°
API# 30-015-34997

BBC International, Inc.

Oxy
Harroun 9-1 Battery

Date: 07/03/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Harroun 9-1 Battery

County
Eddy

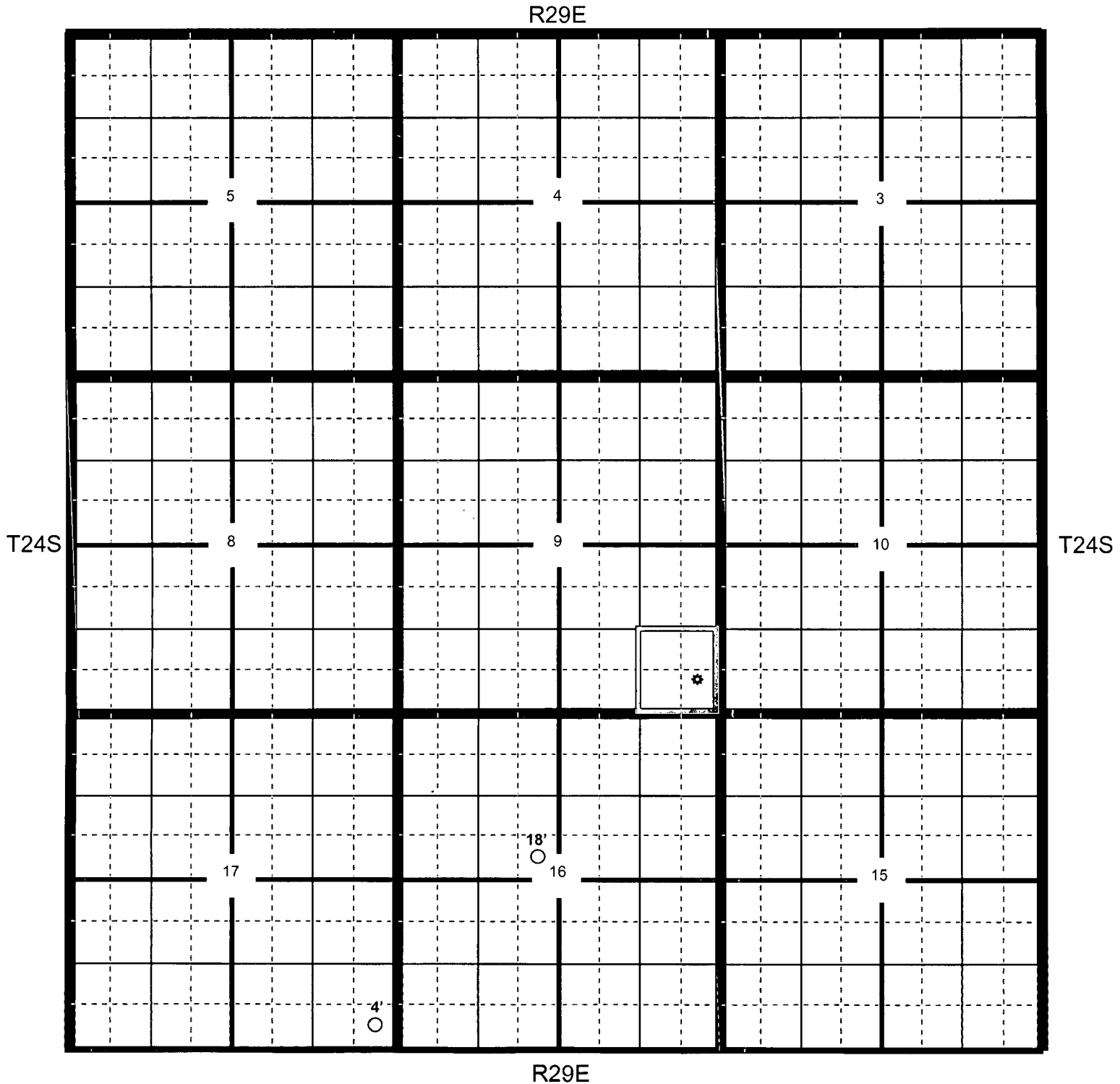
Unit Letter
P

Section
9

Township
24S

Range
29E

Trend Map 75'



Section Quarters

Oxy Harroun 9-1 Battery

County Eddy Unit Letter P Section 9 Township 24S Range 29E

Trend Map 75'

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

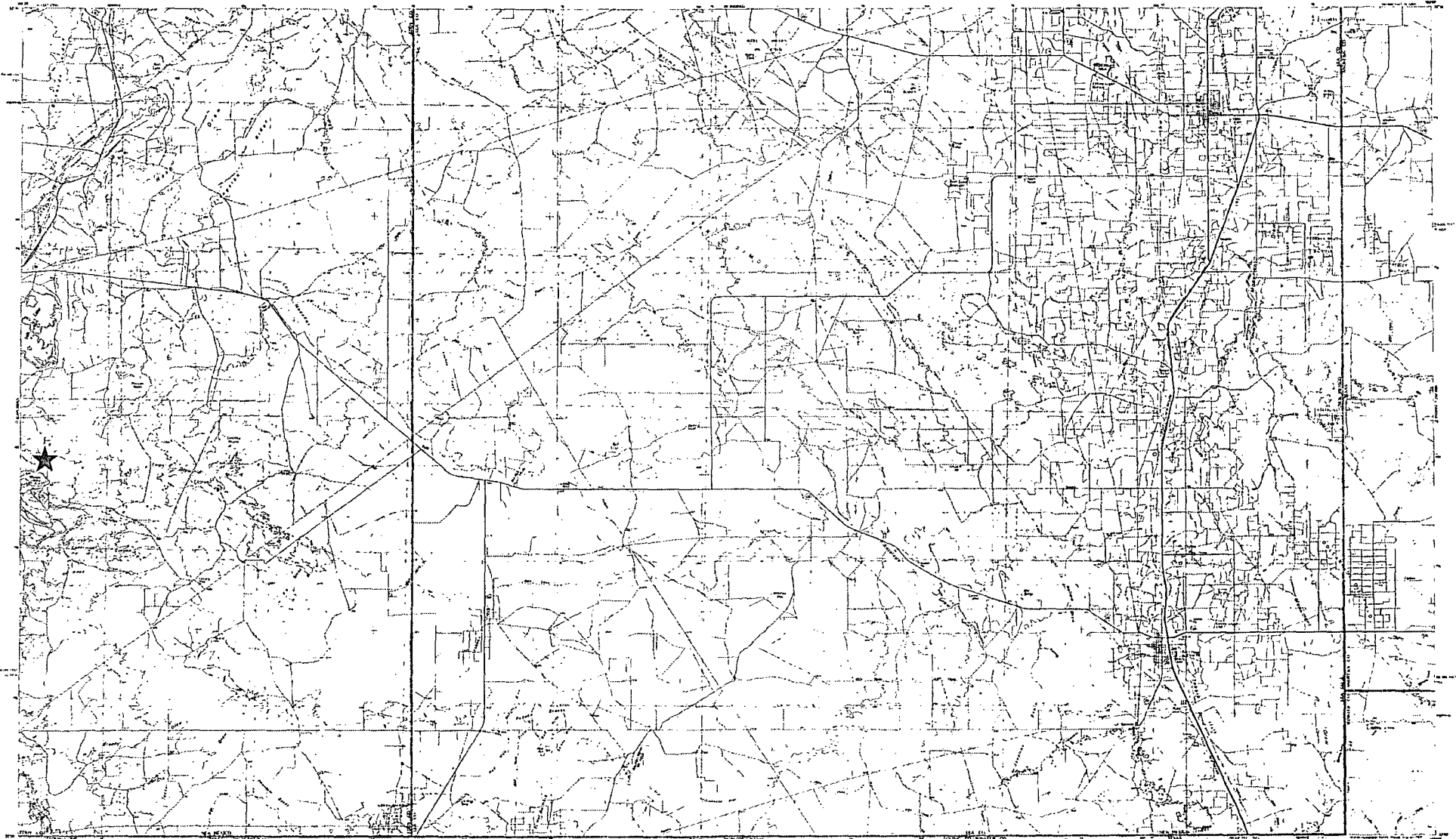
4

Oxy

Harroun 9-1 Battery

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

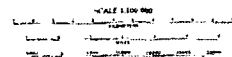
361. QUADRANGLE
NEW MEXICO - TEXAS
1:100,000 SCALE, SERIES 1 (TOPOGRAPHIC)



Produced by the Geological Survey
in cooperation with the Soil Conservation Service
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MAP SCALE

Scale	Feet	Meters
1 inch	660	201
1 centimeter	39.37	39.37



UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C. 20508



LEGEND

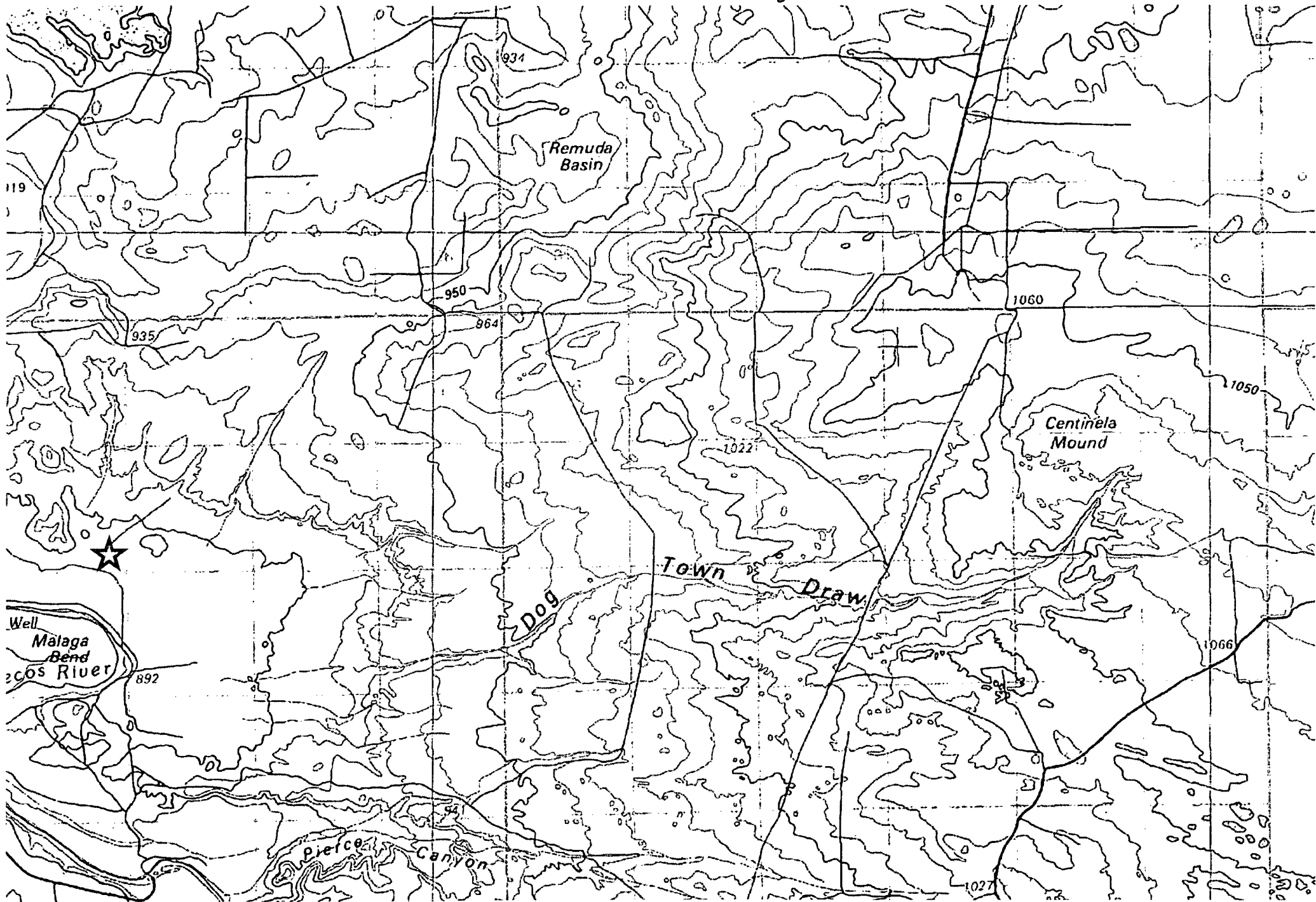
- Topographic features:
 - Contour lines: 100 feet, 200 feet, 300 feet, 400 feet, 500 feet, 600 feet, 700 feet, 800 feet, 900 feet, 1000 feet, 1100 feet, 1200 feet, 1300 feet, 1400 feet, 1500 feet, 1600 feet, 1700 feet, 1800 feet, 1900 feet, 2000 feet, 2100 feet, 2200 feet, 2300 feet, 2400 feet, 2500 feet, 2600 feet, 2700 feet, 2800 feet, 2900 feet, 3000 feet, 3100 feet, 3200 feet, 3300 feet, 3400 feet, 3500 feet, 3600 feet, 3700 feet, 3800 feet, 3900 feet, 4000 feet, 4100 feet, 4200 feet, 4300 feet, 4400 feet, 4500 feet, 4600 feet, 4700 feet, 4800 feet, 4900 feet, 5000 feet, 5100 feet, 5200 feet, 5300 feet, 5400 feet, 5500 feet, 5600 feet, 5700 feet, 5800 feet, 5900 feet, 6000 feet, 6100 feet, 6200 feet, 6300 feet, 6400 feet, 6500 feet, 6600 feet, 6700 feet, 6800 feet, 6900 feet, 7000 feet, 7100 feet, 7200 feet, 7300 feet, 7400 feet, 7500 feet, 7600 feet, 7700 feet, 7800 feet, 7900 feet, 8000 feet, 8100 feet, 8200 feet, 8300 feet, 8400 feet, 8500 feet, 8600 feet, 8700 feet, 8800 feet, 8900 feet, 9000 feet, 9100 feet, 9200 feet, 9300 feet, 9400 feet, 9500 feet, 9600 feet, 9700 feet, 9800 feet, 9900 feet, 10000 feet.
- Other features:
 - Roads: 100 feet, 200 feet, 300 feet, 400 feet, 500 feet, 600 feet, 700 feet, 800 feet, 900 feet, 1000 feet, 1100 feet, 1200 feet, 1300 feet, 1400 feet, 1500 feet, 1600 feet, 1700 feet, 1800 feet, 1900 feet, 2000 feet, 2100 feet, 2200 feet, 2300 feet, 2400 feet, 2500 feet, 2600 feet, 2700 feet, 2800 feet, 2900 feet, 3000 feet, 3100 feet, 3200 feet, 3300 feet, 3400 feet, 3500 feet, 3600 feet, 3700 feet, 3800 feet, 3900 feet, 4000 feet, 4100 feet, 4200 feet, 4300 feet, 4400 feet, 4500 feet, 4600 feet, 4700 feet, 4800 feet, 4900 feet, 5000 feet, 5100 feet, 5200 feet, 5300 feet, 5400 feet, 5500 feet, 5600 feet, 5700 feet, 5800 feet, 5900 feet, 6000 feet, 6100 feet, 6200 feet, 6300 feet, 6400 feet, 6500 feet, 6600 feet, 6700 feet, 6800 feet, 6900 feet, 7000 feet, 7100 feet, 7200 feet, 7300 feet, 7400 feet, 7500 feet, 7600 feet, 7700 feet, 7800 feet, 7900 feet, 8000 feet, 8100 feet, 8200 feet, 8300 feet, 8400 feet, 8500 feet, 8600 feet, 8700 feet, 8800 feet, 8900 feet, 9000 feet, 9100 feet, 9200 feet, 9300 feet, 9400 feet, 9500 feet, 9600 feet, 9700 feet, 9800 feet, 9900 feet, 10000 feet.

ROAD CLASSIFICATION
Primary highway: 100 feet, 200 feet, 300 feet, 400 feet, 500 feet, 600 feet, 700 feet, 800 feet, 900 feet, 1000 feet, 1100 feet, 1200 feet, 1300 feet, 1400 feet, 1500 feet, 1600 feet, 1700 feet, 1800 feet, 1900 feet, 2000 feet, 2100 feet, 2200 feet, 2300 feet, 2400 feet, 2500 feet, 2600 feet, 2700 feet, 2800 feet, 2900 feet, 3000 feet, 3100 feet, 3200 feet, 3300 feet, 3400 feet, 3500 feet, 3600 feet, 3700 feet, 3800 feet, 3900 feet, 4000 feet, 4100 feet, 4200 feet, 4300 feet, 4400 feet, 4500 feet, 4600 feet, 4700 feet, 4800 feet, 4900 feet, 5000 feet, 5100 feet, 5200 feet, 5300 feet, 5400 feet, 5500 feet, 5600 feet, 5700 feet, 5800 feet, 5900 feet, 6000 feet, 6100 feet, 6200 feet, 6300 feet, 6400 feet, 6500 feet, 6600 feet, 6700 feet, 6800 feet, 6900 feet, 7000 feet, 7100 feet, 7200 feet, 7300 feet, 7400 feet, 7500 feet, 7600 feet, 7700 feet, 7800 feet, 7900 feet, 8000 feet, 8100 feet, 8200 feet, 8300 feet, 8400 feet, 8500 feet, 8600 feet, 8700 feet, 8800 feet, 8900 feet, 9000 feet, 9100 feet, 9200 feet, 9300 feet, 9400 feet, 9500 feet, 9600 feet, 9700 feet, 9800 feet, 9900 feet, 10000 feet.

361. QUADRANGLE
NEW MEXICO - TEXAS
1:100,000 SCALE, SERIES 1 (TOPOGRAPHIC)

Oxy

Harroun 9-1 Battery



Laboratory Analytical Results Summary
Harroun 9-1

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'
Analyte	Method	Date	7/9/13	7/9/13	7/9/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.100	<0.050
Toluene	BTEX 8021B		0.072	0.166	<0.050
Ethylbenzene	BTEX 8021B		0.607	1.14	<0.050
Total Xylenes	BTEX 8021B		0.655	2.04	<0.150
Total BTEX	BTEX 8021B		1.33	3.35	<0.300
Chloride	SM4500Cl-B		368	928	48
GRO	TPH 8015M		52.6	107	<10.0
DRO	TPH 8015M		3060	3710	65

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'
Analyte	Method	Date	7/9/13	7/9/13	7/9/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.100	<0.050
Toluene	BTEX 8021B		0.109	0.138	<0.050
Ethylbenzene	BTEX 8021B		0.618	0.776	<0.050
Total Xylenes	BTEX 8021B		1.37	1.76	<0.150
Total BTEX	BTEX 8021B		2.1	2.67	<0.300
Chloride	SM4500Cl-B		368	928	32
GRO	TPH 8015M		43.2	79.2	<10.0
DRO	TPH 8015M		2370	3640	31.6

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	7/9/13	7/9/13	7/9/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050
Toluene	BTEX 8021B		0.251	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.68	<0.050	<0.050
Total Xylenes	BTEX 8021B		2.39	<0.150	<0.150
Total BTEX	BTEX 8021B		4.32	<0.300	<0.300
Chloride	SM4500Cl-B		336	48	32
GRO	TPH 8015M		67.1	<10.0	<10.0
DRO	TPH 8015M		3970	50.9	19

July 15, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 9-1

Enclosed are the results of analyses for samples received by the laboratory on 07/11/13 11:40.

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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HAROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1 FT (H301621-01)

BTEX 8021B		mg/kg	Analyzed By: DW					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	0.072	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	0.607	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	0.655	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	1.33	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 192 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	52.6	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	3060	10.0	07/12/2013	ND	219	109	200	0.277	

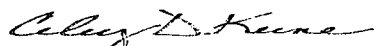
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 137 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2 FT (H301621-02)

BTEX 8021B		mg/kg		Analyzed By: DW				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	07/13/2013	ND	2.00	100	2.00	0.794		
Toluene*	0.166	0.100	07/13/2013	ND	1.97	98.3	2.00	0.379		
Ethylbenzene*	1.14	0.100	07/13/2013	ND	2.00	100	2.00	0.131		
Total Xylenes*	2.04	0.300	07/13/2013	ND	5.94	99.1	6.00	0.169		
Total BTEX	3.35	0.600	07/13/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 165 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	07/15/2013	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	107	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	3710	10.0	07/12/2013	ND	219	109	200	0.277	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 146 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 4 FT (H301621-03)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794		
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379		
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131		
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169		
Total BTEX	<0.300	0.300	07/13/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/15/2013	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/12/2013	ND	210	105	200	1.01		
DRO >C10-C28	65.0	10.0	07/12/2013	ND	219	109	200	0.277		

Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1 FT (H301621-04)

BTEX 8021B		mg/kg	Analyzed By: DW					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	0.109	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	0.618	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	1.37	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	2.10	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 169 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	43.2	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	2370	10.0	07/12/2013	ND	219	109	200	0.277	

Surrogate: 1-Chlorooctane 98.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2 FT (H301621-05)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/13/2013	ND	2.22	111	2.00	1.52	
Toluene*	0.138	0.100	07/13/2013	ND	2.16	108	2.00	2.45	
Ethylbenzene*	0.776	0.100	07/13/2013	ND	2.19	109	2.00	2.43	
Total Xylenes*	1.76	0.300	07/13/2013	ND	6.52	109	6.00	2.37	
Total BTEX	2.67	0.600	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 157 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	07/15/2013	ND	400	100	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	79.2	10.0	07/12/2013	ND	210	105	200	1.01		
DRO >C10-C28	3640	10.0	07/12/2013	ND	219	109	200	0.277		

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 149 % 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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 4 FT (H301621-06)

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	07/13/2013	ND	2.22	111	2.00	1.52		
Toluene*	<0.050	0.050	07/13/2013	ND	2.16	108	2.00	2.45		
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.19	109	2.00	2.43		
Total Xylenes*	<0.150	0.150	07/13/2013	ND	6.52	109	6.00	2.37		
Total BTEX	<0.300	0.300	07/13/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/15/2013	ND	400	100	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	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	31.6	10.0	07/12/2013	ND	219	109	200	0.277	

Surrogate: 1-Chlorooctane 87.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1 FT (H301621-07)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/13/2013	ND	2.22	111	2.00	1.52	
Toluene*	0.251	0.100	07/13/2013	ND	2.16	108	2.00	2.45	
Ethylbenzene*	1.68	0.100	07/13/2013	ND	2.19	109	2.00	2.43	
Total Xylenes*	2.39	0.300	07/13/2013	ND	6.52	109	6.00	2.37	
Total BTEX	4.32	0.600	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 216 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	67.1	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	3970	10.0	07/12/2013	ND	219	109	200	0.277	

Surrogate: 1-Chlorooctane 95.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 143 % 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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2 FT (H301621-08)

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	07/13/2013	ND	2.22	111	2.00	1.52		
Toluene*	<0.050	0.050	07/13/2013	ND	2.16	108	2.00	2.45		
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.19	109	2.00	2.43		
Total Xylenes*	<0.150	0.150	07/13/2013	ND	6.52	109	6.00	2.37		
Total BTEX	<0.300	0.300	07/13/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	50.9	10.0	07/12/2013	ND	219	109	200	0.277	

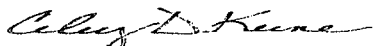
Surrogate: 1-Chlorooctane 86.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.5 % 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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3 FT (H301621-09)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2013	ND	2.22	111	2.00	1.52		
Toluene*	<0.050	0.050	07/13/2013	ND	2.16	108	2.00	2.45		
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.19	109	2.00	2.43		
Total Xylenes*	<0.150	0.150	07/13/2013	ND	6.52	109	6.00	2.37		
Total BTEX	<0.300	0.300	07/13/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/15/2013	ND	400	100	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/12/2013	ND	210	105	200	1.01		
DRO >C10-C28	19.0	10.0	07/12/2013	ND	219	109	200	0.277		

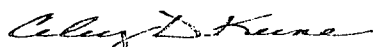
Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

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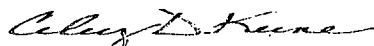
Notes and Definitions

- 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

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 12 of 12

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>GL</div> <div>TPH</div> <div>B-Tex</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: OKY				City: Same															
Project Name: Harroun 9-1				State: Zip:															
Project Location: Malaga				Phone #:															
Sampler Name: Gary RAY				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					
H3D1621																			
	1 SP1@ 2Ft	G	2			X				X			7-9-13	11:50	X X X				
	2 SP1@ 2Ft	G	2			X				X			7-9-13	2:15	X X X				
	3 SP1@ 4Ft	G	2			X				X			7-9-13	1:40	X X X				
	4 SP2@ 2Ft	G	2			X				X			7-9-13	8:10	X X X				
	5 SP2@ 2Ft	G	2			X				X			7-9-13	2:21	X X X				
	6 SP2@ 4Ft	G	2			X				X			7-9-13	2:42	X X X				
	7 SP3@ 1Ft	G	2			X				X			7-9-13	3:15	X X X				
	8 SP3@ 2Ft	G	2			X				X			7-9-13	3:23	X X X				
	9 SP3@ 3Ft	G	2			X				X			7-9-13	3:35	X X X				

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Relinquished By:	Date: 7/11/13 Time: 11:40	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			REMARKS:	
Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY:		

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

#54

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Friday, October 04, 2013 9:08 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Harroun 9-1 Battery-Remediation Plan

Reference: OXY USA * Harroun 9-1 * 30-015-34997 * P-9-24s-29e * Eddy County, New Mexico
OCD Tracking Number: 2RP-1699 * Date of release: 6/13/2013

Cliff,

Your proposal for remediation of the above referenced produced fluid release is approved. Please notify the OCD District 2 office prior to commencement of remedial activities. OCD records and email correspondence from BLM indicate that this site is situated on private owned surface. In the event the proposed excavation depths are not achieved, contact me prior to backfilling.

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

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

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

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Saturday, September 21, 2013 4:23 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Harroun 9-1 Battery-Remediation Plan

Mike,

This e-mail is to confirm our conversation the other day about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate the leak area represented by sample points SP1-SP2 to a depth of 2.5 feet. The area represented by SP3 will be excavated to a depth of 1.5 feet or as practicable. The site will then be backfilled with the appropriate type of clean soil.

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

Thanks, Cliff

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

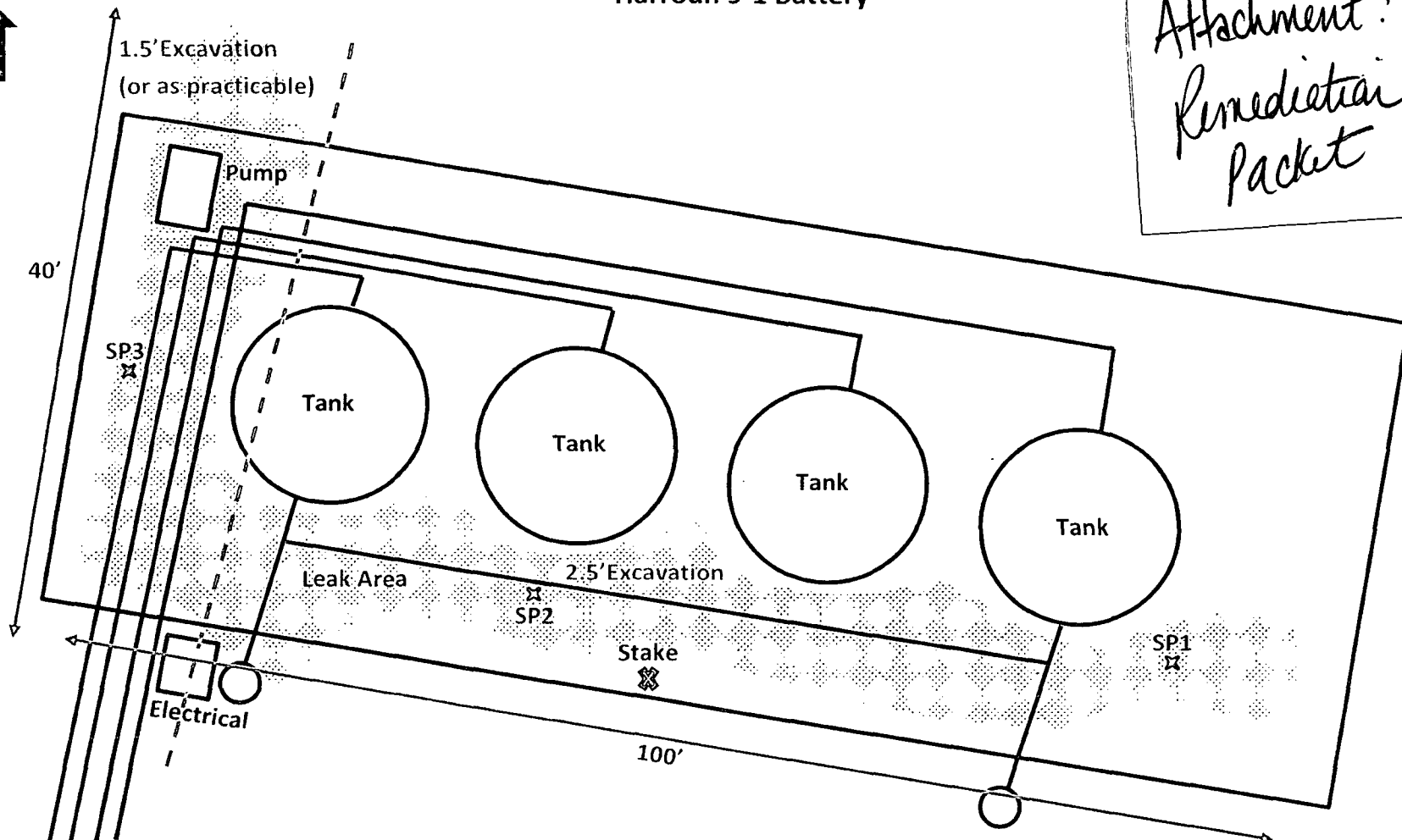
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r



Oxy
Harroun 9-1 Battery

Attachment:
Remediation
Packet



U/L P, Section 9, T24S, R29E
530' FSL and 330' FEL
Eddy County, NM
N 32.22675° W 103.98229°
API# 30-015-34997

BBC International, Inc.	
Oxy Harroun 9-1 Battery	
Date: 07/03/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Groundwater Plot

Oxy Harroun 9-1 Battery

County
Eddy

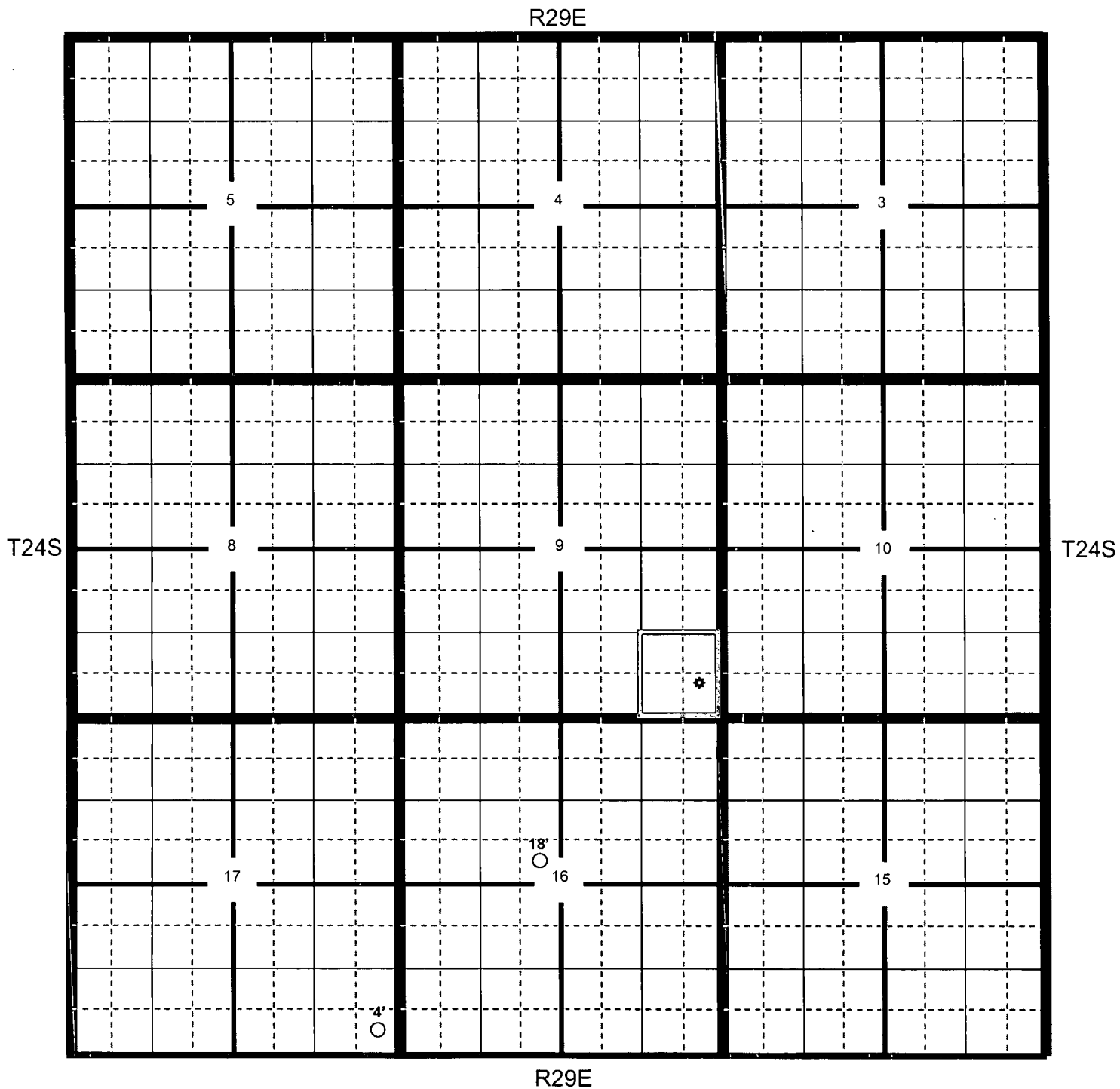
Unit Letter
P

Section
9

Township
24S

Range
29E

Trend Map 75'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters

Oxy Harroun 9-1 Battery

County
Eddy

Unit Letter
P

Section
9

Township
24S

Range
29E

Trend Map 75'

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

⚙ Location

○ OCD

○ USGS

○ SEO

⦿ All Databases

**Laboratory Analytical Results Summary
Harroun 9-1**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'
Analyte	Method	Date	7/9/13	7/9/13	7/9/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.100	<0.050
Toluene	BTEX 8021B		0.072	0.166	<0.050
Ethylbenzene	BTEX 8021B		0.607	1.14	<0.050
Total Xylenes	BTEX 8021B		0.655	2.04	<0.150
Total BTEX	BTEX 8021B		1.33	3.35	<0.300
Chloride	SM4500Cl-B		368	928	48
GRO	TPH 8015M		52.6	107	<10.0
DRO	TPH 8015M		3060	3710	65

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'
Analyte	Method	Date	7/9/13	7/9/13	7/9/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.100	<0.050
Toluene	BTEX 8021B		0.109	0.138	<0.050
Ethylbenzene	BTEX 8021B		0.618	0.776	<0.050
Total Xylenes	BTEX 8021B		1.37	1.76	<0.150
Total BTEX	BTEX 8021B		2.1	2.67	<0.300
Chloride	SM4500Cl-B		368	928	32
GRO	TPH 8015M		43.2	79.2	<10.0
DRO	TPH 8015M		2370	3640	31.6

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	7/9/13	7/9/13	7/9/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050
Toluene	BTEX 8021B		0.251	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.68	<0.050	<0.050
Total Xylenes	BTEX 8021B		2.39	<0.150	<0.150
Total BTEX	BTEX 8021B		4.32	<0.300	<0.300
Chloride	SM4500Cl-B		336	48	32
GRO	TPH 8015M		67.1	<10.0	<10.0
DRO	TPH 8015M		3970	50.9	19

July 15, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 9-1

Enclosed are the results of analyses for samples received by the laboratory on 07/11/13 11:40.

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.

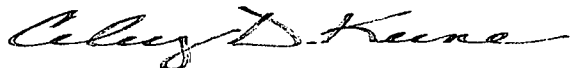
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1 FT (H301621-01)

BTEX 8021B		mg/kg		Analyzed By: DW				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794		
Toluene*	0.072	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379		
Ethylbenzene*	0.607	0.050	07/13/2013	ND	2.00	100	2.00	0.131		
Total Xylenes*	0.655	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169		
Total BTEX	1.33	0.300	07/13/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 192 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/15/2013	ND	400	100	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	52.6	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	3060	10.0	07/12/2013	ND	219	109	200	0.277	

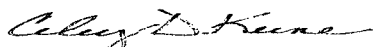
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 137 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/11/2013
Reported: 07/15/2013
Project Name: HARROUN 9-1
Project Number: NONE GIVEN
Project Location: MALAGA, NM

Sampling Date: 07/09/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2 FT (H301621-02)

BTEX 8021B		mg/kg	Analyzed By: DW					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	0.166	0.100	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	1.14	0.100	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	2.04	0.300	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	3.35	0.600	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 165 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	107	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	3710	10.0	07/12/2013	ND	219	109	200	0.277	

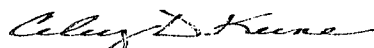
Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 146 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 4 FT (H301621-03)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/15/2013	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	65.0	10.0	07/12/2013	ND	219	109	200	0.277	

Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 63.6-154

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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: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1 FT (H301621-04)

BTEX 8021B		mg/kg	Analyzed By: DW					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	0.109	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	0.618	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	1.37	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	2.10	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 169 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	43.2	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	2370	10.0	07/12/2013	ND	219	109	200	0.277	

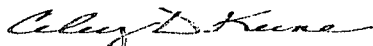
Surrogate: 1-Chlorooctane 98.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2 FT (H301621-05)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/13/2013	ND	2.22	111	2.00	1.52	
Toluene*	0.138	0.100	07/13/2013	ND	2.16	108	2.00	2.45	
Ethylbenzene*	0.776	0.100	07/13/2013	ND	2.19	109	2.00	2.43	
Total Xylenes*	1.76	0.300	07/13/2013	ND	6.52	109	6.00	2.37	
Total BTX	2.67	0.600	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 157 % 89.4-126

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	79.2	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	3640	10.0	07/12/2013	ND	219	109	200	0.277	


Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 149 % 63.6-154

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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: 07/11/2013
Reported: 07/15/2013
Project Name: HARROUN 9-1
Project Number: NONE GIVEN
Project Location: MALAGA, NM

Sampling Date: 07/09/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 4 FT (H301621-06)

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	07/13/2013	ND	2.22	111	2.00	1.52		
Toluene*	<0.050	0.050	07/13/2013	ND	2.16	108	2.00	2.45		
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.19	109	2.00	2.43		
Total Xylenes*	<0.150	0.150	07/13/2013	ND	6.52	109	6.00	2.37		
Total BTEX	<0.300	0.300	07/13/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	31.6	10.0	07/12/2013	ND	219	109	200	0.277	

Surrogate: 1-Chlorooctane 87.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 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: (575) 397-0397

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1 FT (H301621-07)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/13/2013	ND	2.22	111	2.00	1.52	
Toluene*	0.251	0.100	07/13/2013	ND	2.16	108	2.00	2.45	
Ethylbenzene*	1.68	0.100	07/13/2013	ND	2.19	109	2.00	2.43	
Total Xylenes*	2.39	0.300	07/13/2013	ND	6.52	109	6.00	2.37	
Total BTEX	4.32	0.600	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 216 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/15/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	67.1	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	3970	10.0	07/12/2013	ND	219	109	200	0.277	

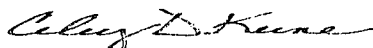
Surrogate: 1-Chlorooctane 95.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 143 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2 FT (H301621-08)

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	07/13/2013	ND	2.22	111	2.00	1.52		
Toluene*	<0.050	0.050	07/13/2013	ND	2.16	108	2.00	2.45		
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.19	109	2.00	2.43		
Total Xylenes*	<0.150	0.150	07/13/2013	ND	6.52	109	6.00	2.37		
Total BTEX	<0.300	0.300	07/13/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/15/2013	ND	400	100	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	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	50.9	10.0	07/12/2013	ND	219	109	200	0.277	

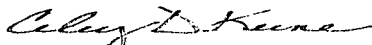
Surrogate: 1-Chlorooctane 86.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.5 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/11/2013
 Reported: 07/15/2013
 Project Name: HARROUN 9-1
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 07/09/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3 FT (H301621-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.22	111	2.00	1.52	
Toluene*	<0.050	0.050	07/13/2013	ND	2.16	108	2.00	2.45	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.19	109	2.00	2.43	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	6.52	109	6.00	2.37	
Total BTEX	<0.300	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/15/2013	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	210	105	200	1.01	
DRO >C10-C28	19.0	10.0	07/12/2013	ND	219	109	200	0.277	

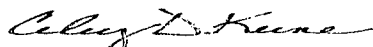
Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

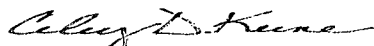
Notes and Definitions

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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:		<div style="display: flex; justify-content: space-around;"> <div>GL</div> <div>TPH</div> <div>B-Tex</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: OKY		City: Same													
Project Name: Harrovn 9-2		State: Zip:													
Project Location: Malaga		Phone #:													
Sampler Name: Gary RAY		Fax #:													

FOR LAB USE ONLY		GRAB OR (COMP. #) CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX				PRESERV.		SAMPLING		DATE	TIME	GL	TPH	B-Tex
Lab I.D.	Sample I.D.				SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
H3D11621																	
	1 SP1@ 2Ft	62			X				X				7-9-13	11:50	X	X	X
	2 SP1@ 2Ft	62			X				X				7-9-13	2:15	X	X	X
	3 SP1@ 4Ft	62			X				X				7-9-13	1:40	X	X	X
	4 SP2@ 2Ft	62			X				X				7-9-13	8:10	X	X	X
	5 SP2@ 2Ft	62			X				X				7-9-13	2:21	X	X	X
	6 SP2@ 4Ft	62			X				X				7-9-13	2:42	X	X	X
	7 SP3@ 1Ft	62			X				X				7-9-13	3:15	X	X	X
	8 SP3@ 2Ft	62			X				X				7-9-13	3:23	X	X	X
	9 SP3@ 3Ft	62			X				X				7-9-13	3:35	X	X	X

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Relinquished By:	Date: 7/11/13 Time: 11:40	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			REMARKS:	
Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY:		

† 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 Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Harroun 9-1	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-34997

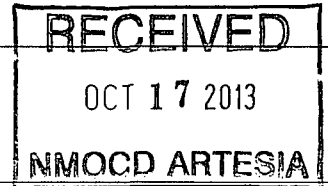
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	9	24S	29E	530	South	330	East	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	40 bbls oil	Volume Recovered	0 bbls oil
Source of Release	Mechanical error sent oil down a gas line causing tank to overflow	Date and Hour of Occurrence	06/13/2013	Date and Hour of Discovery	06/13/2013
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; Jennifer Van Curen, James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	06/17/2013 @ 8:03 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 mechanical error sent oil down the gas line causing the tank to overflow and leak 40 bbls of oil to leak onto the ground. No fluids were recovered and mechanical error was corrected.

Describe Area Affected and Cleanup Action Taken.*

A mechanical error sent oil down the gas line causing the tank to overflow and leak 40 bbls of oil to leak onto the ground. No fluids were recovered and mechanical error was corrected. Remediation will be conducted in accordance with a plan approved by NMOCD and the BLM.

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

Signature:	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxv.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 6-24-13	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary