

**Site Description**

Site Name:	WH Elson Tank Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L K, Section 21, T23S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.28792° W 103.16994°

**Release Data**

Date of Release:	08/15/2015
Type of Release:	Oil and produced water
Source of Release:	Corrosion on the bottom of a vessel caused it to leak
Volume of Release:	7 bbls oil, 27 bbls produced water
Volume Recovered:	0 bbls

**Remediation Specifications**

Remediation Parameters:	Excavate the entire spill area to a depth of 2 feet. Backfill the site with clean soil.	
Remediation Activities:	03/17/2016 to 03/22/2016	
Plan Sent to OCD:	09/26/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	09/29/2015	Email from Jamie Keyes to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

**Supporting Documentation**

Initial C-141	Signed 09/11/2015
Final C-141	Signed 03/28/2016
Site Diagram	August 2015
Groundwater Plot	75'-100'
TOPO Maps	August 2015
Lab Summary	08/26/2015
Lab Analysis	08/26/2015
Correspondence	Request and approval of remediation plan via email

**Request for Closure**

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

Cliff Brunson, President of BBC International Inc.

03/28/2016

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5824
Facility Name	WH Elson Tank Battery	Facility Type	Battery
Surface Owner	Fee-Weir	Mineral Owner	
		API No.	30-025-10817

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	21	23S	37E					Lea County, NM

Latitude N 32.28792° Longitude W 103.16994°

#### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	7 bbls oil and 27 bbls produced water	Volume Recovered	0 bbls
Source of Release	Corrosion on the bottom of a vessel caused it to leak	Date and Hour of Occurrence	08/15/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kellie Jones, Jamie Keyes, & Tomas Oberding-NMOCD			
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Hour 08/20/2015 @ 12:38 pm			
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.\*

Corrosion on the bottom of a vessel caused 7 bbls of oil and 27 bbls of produced water to leak onto the ground. The vessel was repaired and there were no recoverable fluids.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 20' x 30' on location inside the firewall. Remediation will be completed according to a remediation plan approved by NMOCD.

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: CJ Summers	Approved by Environmental Specialist:		
Title: HES Lead	Approval Date:	Expiration Date:	
E-mail Address: chancey_summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 9-11-15	Phone: (432) 685-5824		

\* Attach Additional Sheets If Necessary

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

State of New Mexico  
Energy Minerals and Natural Resources

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	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	WH Elson Tank Battery	Facility Type	Battery

Surface Owner	Fee-Weir	Mineral Owner		API No.	30-025-10817
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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
K	21	23S	37E					Lea County, NM

Latitude N 32.28792° Longitude W 103.16994°

### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	7 bbls oil and 27 bbls produced water	Volume Recovered	0 bbls
Source of Release	Corrosion on the bottom of a vessel caused it to leak	Date and Hour of Occurrence	08/15/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Kellie Jones, Jamie Keyes, & Tomas Oberding-NMOCD		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Hour	08/20/2015 @ 12:38 pm		
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.\*

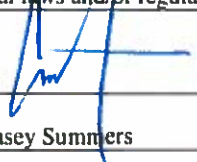

Describe Cause of Problem and Remedial Action Taken.\*

Corrosion on the bottom of a vessel caused 7 bbls of oil and 27 bbls of produced water to leak on location inside the firewall. The vessel was repaired and there were no recoverable fluids.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 20' x 30' on location inside the firewall. Remediation was completed according to a remediation plan approved by Jamie Keyes of NMOCD via email on 09/29/2015.

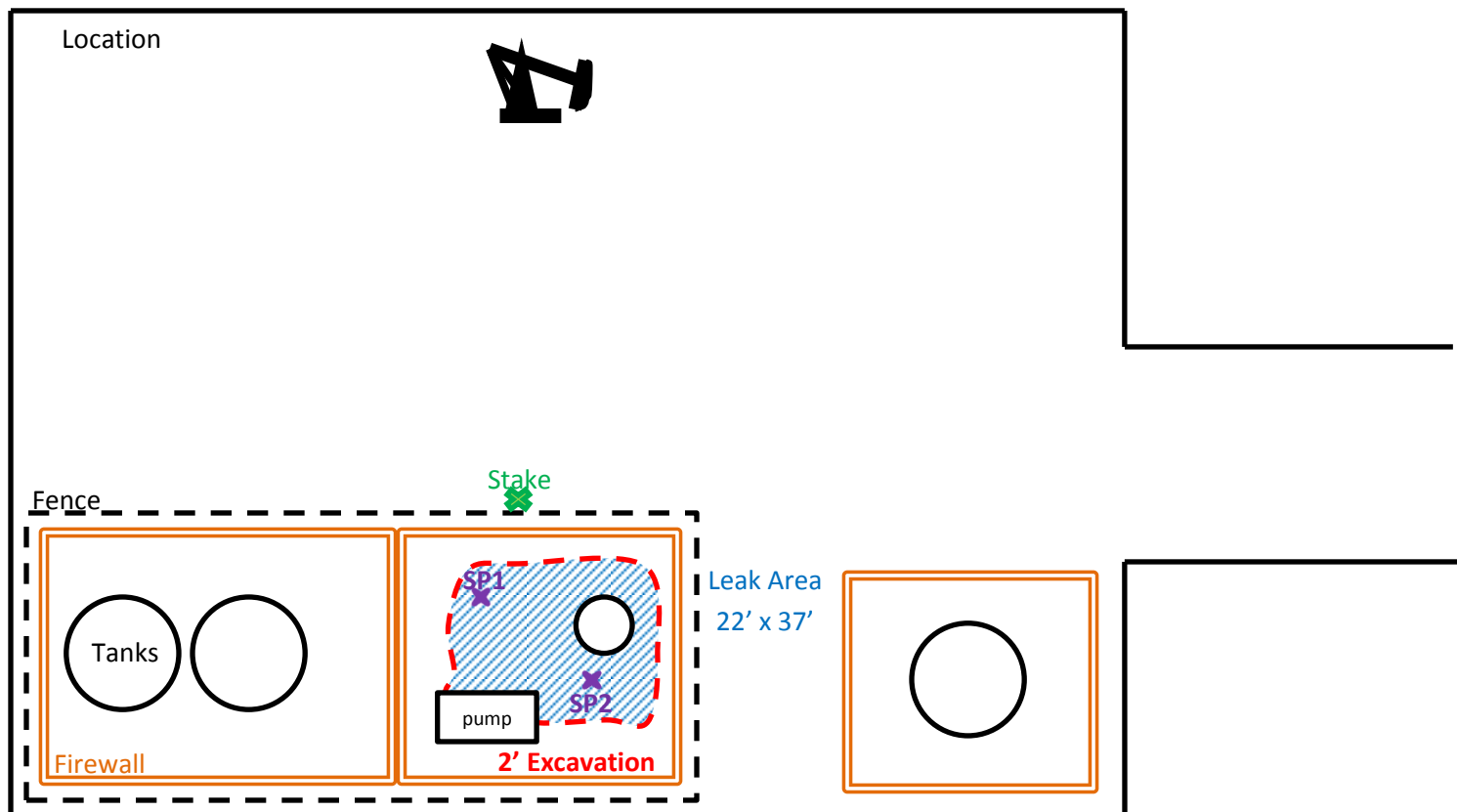
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger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

Signature: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Casey Summers		Approved by Environmental Specialist: 	
Title: NM Environmental Advisor		Approval Date: 03/29/2016	Expiration Date: ///
E-mail Address: Casey_Summers@oxy.com		Conditions of Approval: ///	Attached <input type="checkbox"/>
Date: 3-28-16	Phone: (575) 513-8289	IRP 3858	

\* Attach Additional Sheets If Necessary



Oxy  
WH Elson Tank Battery



UL K, Sec 21, T23S, R37E

Lea County, NM

N 32.28792° W 103.16994°

API# 30-025-10817

BBC International, Inc.

Oxy  
WH Elson Tank Battery

Date: 08/27/2015

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2015



# Groundwater Plot

## Oxy WH Elson Tank Battery

County  
Lea

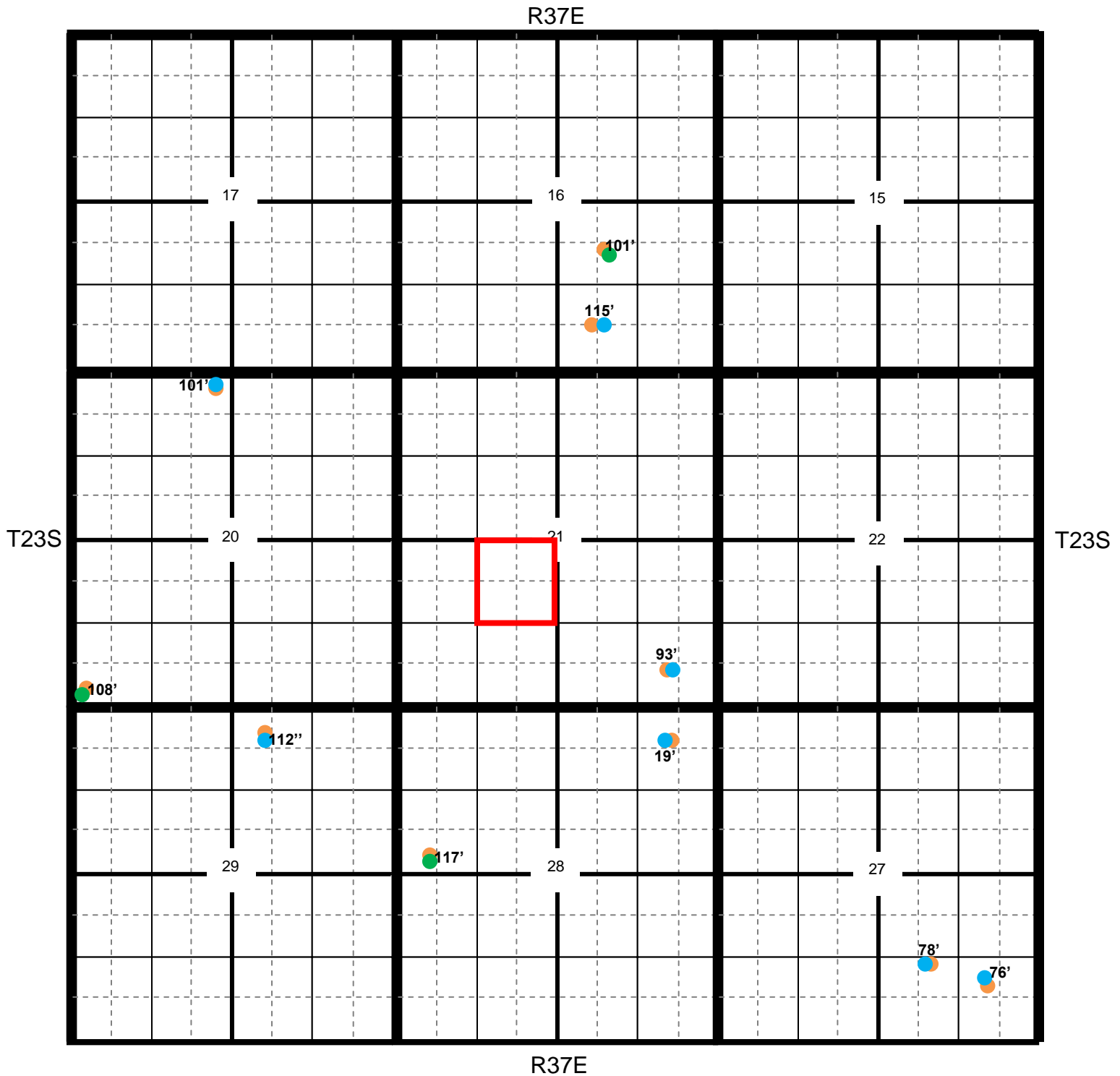
Unit Letter  
K

Section  
21

Township  
23S

Range  
37E

Trend Map 75'-100'



Location

OCD

USGS

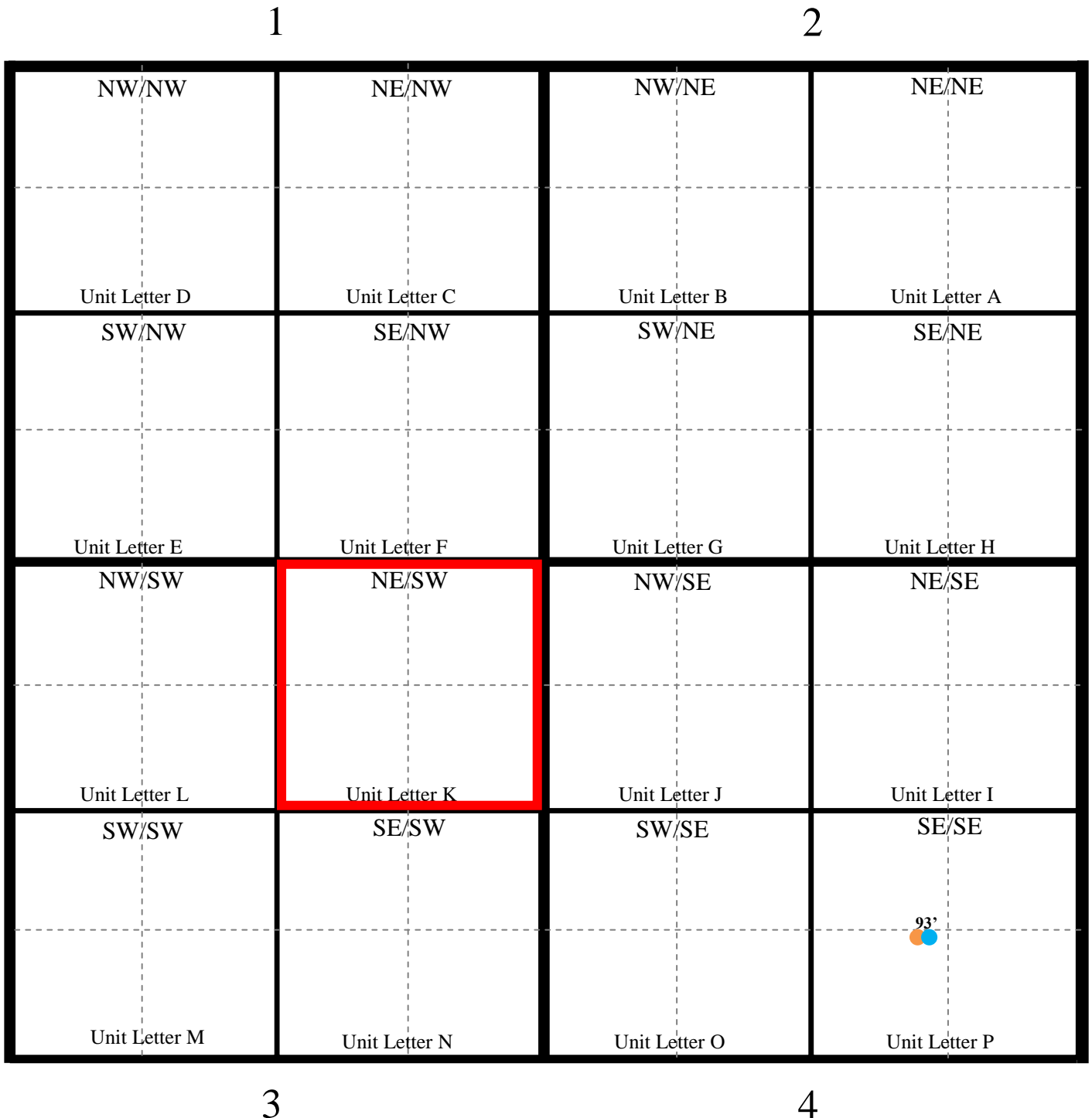
SEO

All Databases

## Oxy WH Elson Tank Battery

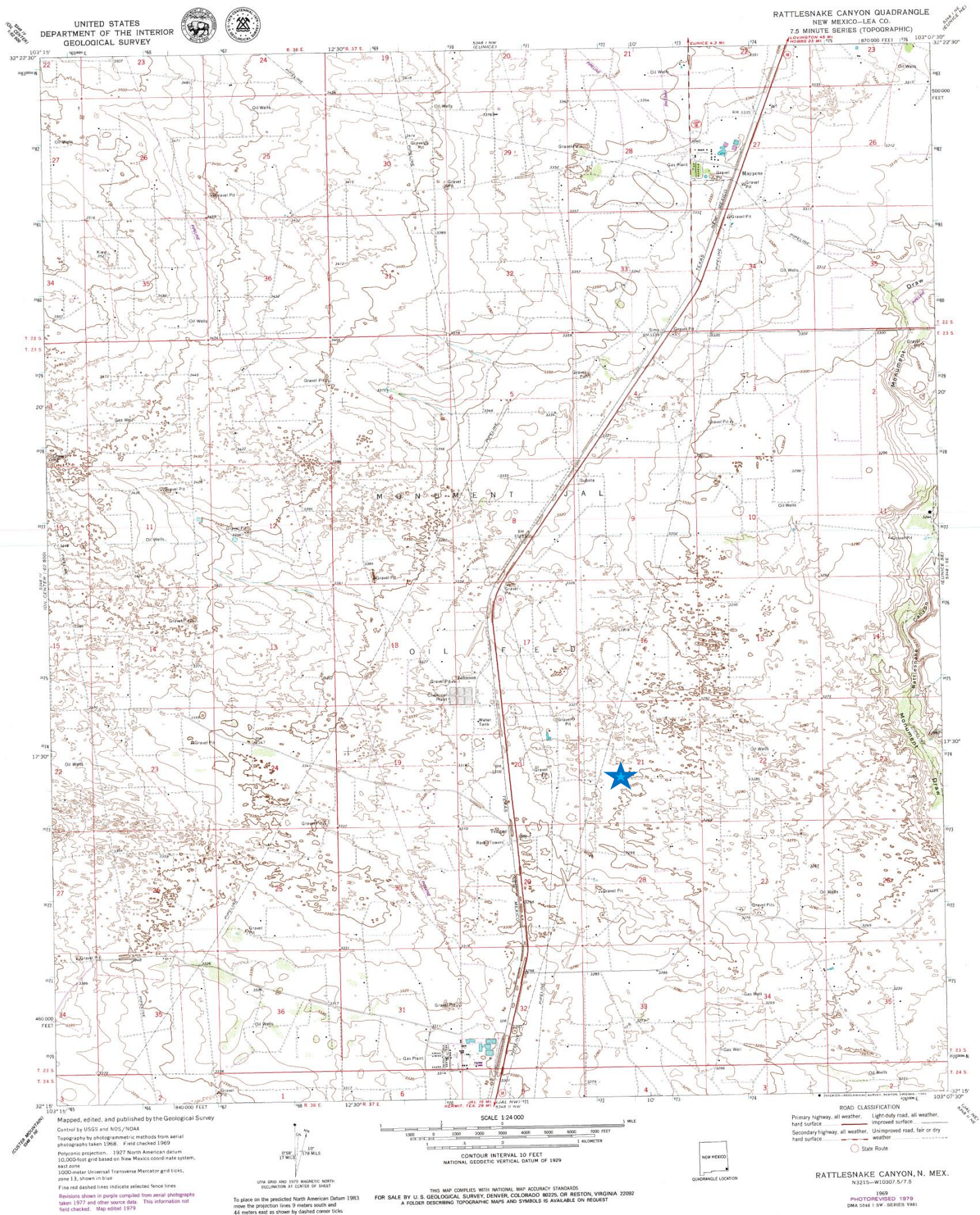
**County** Lea      **Unit Letter** K      **Section** 21      **Township** 23S      **Range** 37E

Trend Map 75'-100'





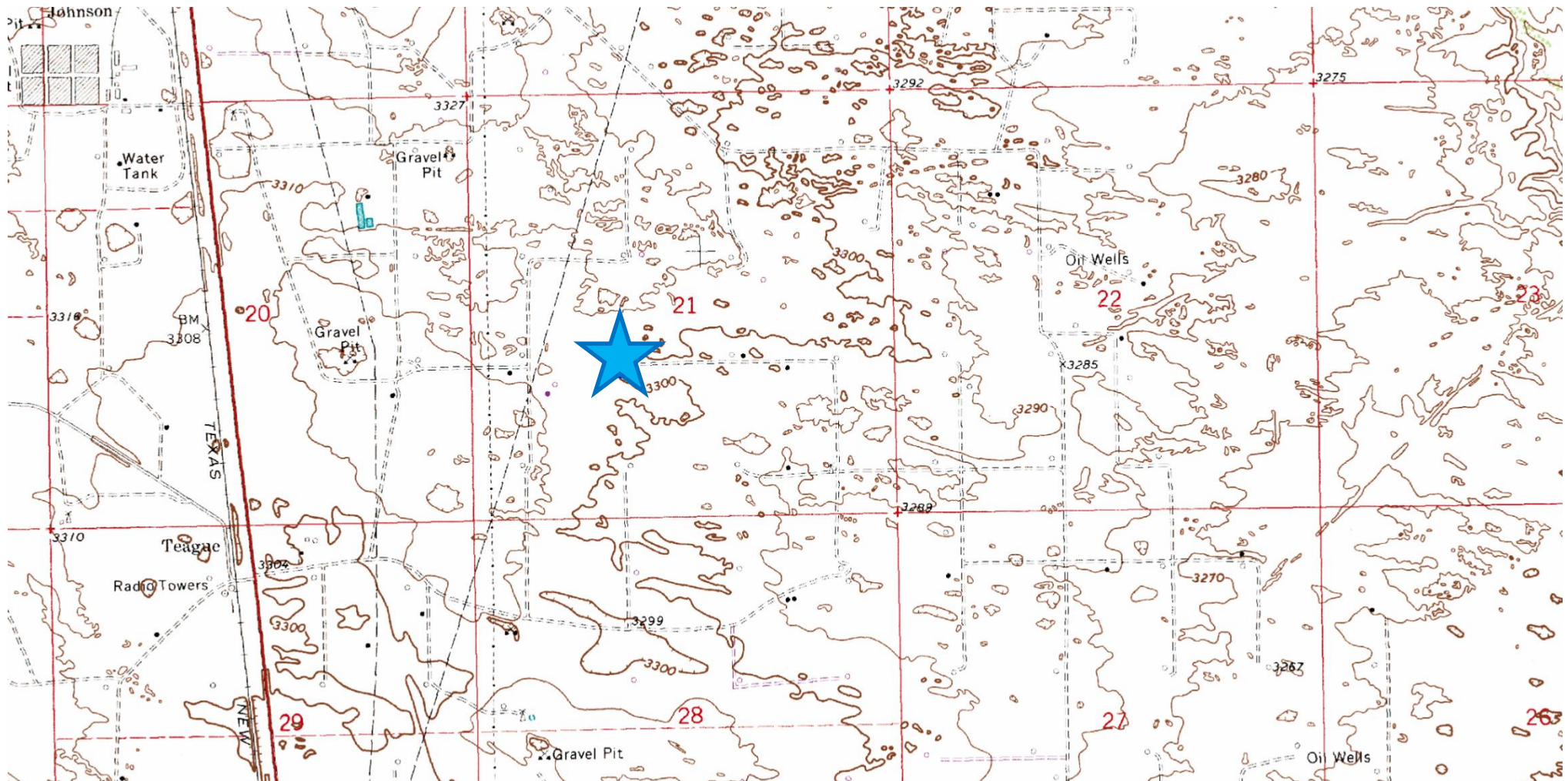
# WH Elson Tank Battery





Oxy

## WH Elson Tank Battery





**Laboratory Analytical Results Summary  
WH Elson Tank Battery**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	8/26/15	8/26/15	8/26/15	8/26/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<b>0.624</b>	<2.00	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<b>9.85</b>	<b>31.9</b>	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<b>10</b>	<b>59.8</b>	<b>0.106</b>	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>25.6</b>	<b>117</b>	<b>0.317</b>	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>46</b>	<b>209</b>	<b>0.423</b>	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>4200</b>	<b>464</b>	<b>64</b>	<b>64</b>
<b>GRO</b>	TPH 8015M		<b>528</b>	<b>2820</b>	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>39400</b>	<b>12500</b>	<b>155</b>	<b>32.9</b>

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	8/26/15	8/26/15	8/26/15	8/26/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<2.00	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<b>9.96</b>	<b>33.7</b>	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<b>11</b>	<b>36.6</b>	<b>0.147</b>	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>25.5</b>	<b>127</b>	<b>0.48</b>	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>46.4</b>	<b>224</b>	<b>0.628</b>	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>4640</b>	<b>400</b>	<b>80</b>	<b>64</b>
<b>GRO</b>	TPH 8015M		<b>615</b>	<b>2730</b>	<b>12.9</b>	<10.0
<b>DRO</b>	TPH 8015M		<b>39600</b>	<b>12100</b>	<b>273</b>	<b>66.6</b>

September 02, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WH ELSON

Enclosed are the results of analyses for samples received by the laboratory on 08/27/15 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/27/2015  
Reported: 09/02/2015  
Project Name: WH ELSON  
Project Number: NONE GIVEN  
Project Location: EUNICE, NEW MEXICO

Sampling Date: 08/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 @ SURFACE (H502275-01)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.624</b>	0.200	08/29/2015	ND	2.05	102	2.00	3.16	
<b>Toluene*</b>	<b>9.85</b>	0.200	08/29/2015	ND	1.90	95.0	2.00	3.91	
<b>Ethylbenzene*</b>	<b>10.0</b>	0.200	08/29/2015	ND	1.98	98.8	2.00	5.88	
<b>Total Xylenes*</b>	<b>25.6</b>	0.600	08/29/2015	ND	5.93	98.9	6.00	4.45	
<b>Total BTX</b>	<b>46.0</b>	1.20	08/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4200</b>	16.0	08/28/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>528</b>	200	08/28/2015	ND	179	89.6	200	0.906		
<b>DRO &gt;C10-C28</b>	<b>39400</b>	200	08/28/2015	ND	197	98.7	200	0.446		

Surrogate: 1-Chlorooctane 150 % 47.2-157

Surrogate: 1-Chlorooctadecane 852 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/27/2015  
Reported: 09/02/2015  
Project Name: WH ELSON  
Project Number: NONE GIVEN  
Project Location: EUNICE, NEW MEXICO

Sampling Date: 08/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 @ 1' (H502275-02)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	08/29/2015	ND	2.05	102	2.00	3.16	
Toluene*	31.9	2.00	08/29/2015	ND	1.90	95.0	2.00	3.91	
Ethylbenzene*	59.8	2.00	08/29/2015	ND	1.98	98.8	2.00	5.88	
Total Xylenes*	117	6.00	08/29/2015	ND	5.93	98.9	6.00	4.45	
Total BTX	209	12.0	08/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/28/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: CK					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2820	200	08/28/2015	ND	179	89.6	200	0.906	
DRO >C10-C28	12500	200	08/28/2015	ND	197	98.7	200	0.446	

Surrogate: 1-Chlorooctane 171 % 47.2-157

Surrogate: 1-Chlorooctadecane 206 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 08/27/2015  
Reported: 09/02/2015  
Project Name: WH ELSON  
Project Number: NONE GIVEN  
Project Location: EUNICE, NEW MEXICO

Sampling Date: 08/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 @ 2' (H502275-03)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2015	ND	2.05	102	2.00	3.16	
Toluene*	<0.050	0.050	08/29/2015	ND	1.90	95.0	2.00	3.91	
Ethylbenzene*	0.106	0.050	08/29/2015	ND	1.98	98.8	2.00	5.88	
Total Xylenes*	0.317	0.150	08/29/2015	ND	5.93	98.9	6.00	4.45	
Total BTX	0.423	0.300	08/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/28/2015	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2015	ND	179	89.6	200	0.906	
DRO >C10-C28	155	10.0	08/28/2015	ND	197	98.7	200	0.446	

Surrogate: 1-Chlorooctane 83.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.4 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/27/2015  
Reported: 09/02/2015  
Project Name: WH ELSON  
Project Number: NONE GIVEN  
Project Location: EUNICE, NEW MEXICO

Sampling Date: 08/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP1 @ 3' (H502275-04)**

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2015	ND	2.01	100	2.00	1.35		
Toluene*	<0.050	0.050	08/31/2015	ND	1.85	92.5	2.00	2.19		
Ethylbenzene*	<0.050	0.050	08/31/2015	ND	1.92	95.8	2.00	3.34		
Total Xylenes*	<0.150	0.150	08/31/2015	ND	5.89	98.2	6.00	1.79		
Total BTEx	<0.300	0.300	08/31/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2015	ND	179	89.6	200	0.906	
DRO >C10-C28	32.9	10.0	08/28/2015	ND	197	98.7	200	0.446	

Surrogate: 1-Chlorooctane 75.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.0 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/27/2015  
Reported: 09/02/2015  
Project Name: WH ELSON  
Project Number: NONE GIVEN  
Project Location: EUNICE, NEW MEXICO

Sampling Date: 08/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 @ SURFACE (H502275-05)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/31/2015	ND	2.01	100	2.00	1.35	
Toluene*	9.96	0.500	08/31/2015	ND	1.85	92.5	2.00	2.19	
Ethylbenzene*	11.0	0.500	08/31/2015	ND	1.92	95.8	2.00	3.34	
Total Xylenes*	25.5	1.50	08/31/2015	ND	5.89	98.2	6.00	1.79	
Total BTEX	46.4	3.00	08/31/2015	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	08/28/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	615	200	08/28/2015	ND	179	89.6	200	0.906		
DRO >C10-C28	39600	200	08/28/2015	ND	197	98.7	200	0.446		

Surrogate: 1-Chlorooctane 172 % 47.2-157

Surrogate: 1-Chlorooctadecane 848 % 52.1-176

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

Received: 08/27/2015  
Reported: 09/02/2015  
Project Name: WH ELSON  
Project Number: NONE GIVEN  
Project Location: EUNICE, NEW MEXICO

Sampling Date: 08/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 @ 1' (H502275-06)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	08/31/2015	ND	2.01	100	2.00	1.35	
<b>Toluene*</b>	<b>33.7</b>	2.00	08/31/2015	ND	1.85	92.5	2.00	2.19	
<b>Ethylbenzene*</b>	<b>63.6</b>	2.00	08/31/2015	ND	1.92	95.8	2.00	3.34	
<b>Total Xylenes*</b>	<b>127</b>	6.00	08/31/2015	ND	5.89	98.2	6.00	1.79	
<b>Total BTX</b>	<b>224</b>	12.0	08/31/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>400</b>	16.0	08/28/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>2730</b>	200	08/28/2015	ND	179	89.6	200	0.906		
<b>DRO &gt;C10-C28</b>	<b>12100</b>	200	08/28/2015	ND	197	98.7	200	0.446		

Surrogate: 1-Chlorooctane 165 % 47.2-157

Surrogate: 1-Chlorooctadecane 197 % 52.1-176

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Fax To: (575) 397-0397

Received: 08/27/2015  
Reported: 09/02/2015  
Project Name: WH ELSON  
Project Number: NONE GIVEN  
Project Location: EUNICE, NEW MEXICO

Sampling Date: 08/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 @ 2' (H502275-07)**

BTX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2015	ND	2.01	100	2.00	1.35		
Toluene*	<0.050	0.050	08/31/2015	ND	1.85	92.5	2.00	2.19		
Ethylbenzene*	0.147	0.050	08/31/2015	ND	1.92	95.8	2.00	3.34		
Total Xylenes*	0.480	0.150	08/31/2015	ND	5.89	98.2	6.00	1.79		
Total BTX	0.628	0.300	08/31/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/28/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12.9	10.0	08/29/2015	ND	179	89.6	200	0.906	
DRO >C10-C28	273	10.0	08/29/2015	ND	197	98.7	200	0.446	

Surrogate: 1-Chlorooctane 78.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.5 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 08/27/2015  
Reported: 09/02/2015  
Project Name: WH ELSON  
Project Number: NONE GIVEN  
Project Location: EUNICE, NEW MEXICO

Sampling Date: 08/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP2 @ 3' (H502275-08)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2015	ND	2.01	100	2.00	1.35		
Toluene*	<0.050	0.050	08/31/2015	ND	1.85	92.5	2.00	2.19		
Ethylbenzene*	<0.050	0.050	08/31/2015	ND	1.92	95.8	2.00	3.34		
Total Xylenes*	<0.150	0.150	08/31/2015	ND	5.89	98.2	6.00	1.79		
Total BTEX	<0.300	0.300	08/31/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2015	ND	179	89.6	200	0.906	
DRO >C10-C28	66.6	10.0	08/29/2015	ND	197	98.7	200	0.446	

Surrogate: 1-Chlorooctane 85.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.9 % 52.1-176

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**Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager





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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11



## Kathy Purvis

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**From:** Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>  
**Sent:** Tuesday, September 29, 2015 3:27 PM  
**To:** Cliff Brunson; Jones, Kellie, EMNRD  
**Cc:** Dusty Wilson; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY - WH Elson Tank Battery - Remediation Plan

Good afternoon,

The work plan is approved as is. Keep us informed.

Thank you,

Jamie

---

**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Saturday, September 26, 2015 1:55 PM  
**To:** Jones, Kellie, EMNRD  
**Cc:** Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; Dusty Wilson; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY - WH Elson Tank Battery - Remediation Plan

Kellie,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy WH Elson Tank Battery. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
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World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
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