

## Bratcher, Mike, EMNRD

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**From:** Amber Cannon <ACannon@yatespetroleum.com>  
**Sent:** Wednesday, February 26, 2014 8:54 AM  
**To:** Bratcher, Mike, EMNRD; Duncan Whitlock  
**Cc:** Bob Asher  
**Subject:** Martha AIK Federal #1  
**Attachments:** MarthaAIKFederal1\_Workplan022514.pdf

**Importance:** High

Mike/Duncan,

Please find attached a work plan for the release that occurred on December 26, 2013 (2RP-2159) at the Martha AIK Federal #1.

If either of you object to Yates' proposal, please let me know. Yates would like to get started on or before March 4, 2014.

Thanks,

## Amber Cannon

Environmental Regulatory Agent  
Yates Petroleum Corporation  
Office: (575) 748-4111  
Cell: (575) 513-8799

MARTIN YATES, III

1912-1905

FRANK W. YATES

1936-1986

S. P. YATES

1914-2008



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (575) 748-1471  
[www.yatespetroleum.com](http://www.yatespetroleum.com)

JOHN A. YATES  
CHAIRMAN EMÉRITUS

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PRESIDENT

JOHN D. PERINI  
EXECUTIVE VICE PRESIDENT  
CHIEF FINANCIAL OFFICER

JAMES S. BROWN  
CHIEF OPERATING OFFICER

February 25, 2014

Mr. Mike Bratcher  
NMOCD District II  
811 South First Street  
Artesia, NM 88210

Mr. Duncan Whitlock  
BLM – Carlsbad Field Office  
620 East Greene Street  
Carlsbad, NM 88220

RE: Martha AIK Federal #1  
30-015-26549  
Section 11, T22S-R31E  
Eddy County, New Mexico

Mr. Bratcher and Mr. Whitlock,

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the release that occurred at the above mentioned facility on December 26, 2013 (2RP-2159). The release was 50 barrels of oil, with 35 barrels of oil recovered. Yates was in the process of excavating soils from within the battery from previous releases (4/18/2013 and 4/27/2013) when a nipple broke on the circulation pump releasing oil.

Since it was just an oil release, initial TPH/BTEX delineation samples were taken and were sent to a NMOCD approved facility. One sample point was taken from inside the battery walls where this release pooled within the area of what we had previously excavated, please see analytical report H400423. The sampling was conducted with a hand auger and we sampled as far as we could. Further sampling would be impracticable to do because we wouldn't be able to get equipment inside the battery to do so and would be a safety issue.

Based off of analytical results, Yates Petroleum Corporation proposes to excavate 1' more from the bottom of what has been previously excavated. Yates will be disconnecting the circulation pump during this time to be able to excavate all impacted soils from underneath it. Yates will then backfill the excavation within the battery walls and put the circulation pump back into service.

If NMOCD or BLM has an objection to the proposed work, please respond with an email. If there are no objections from NMOCD or BLM, Yates would like to begin work no later than Tuesday, March 4, 2014.

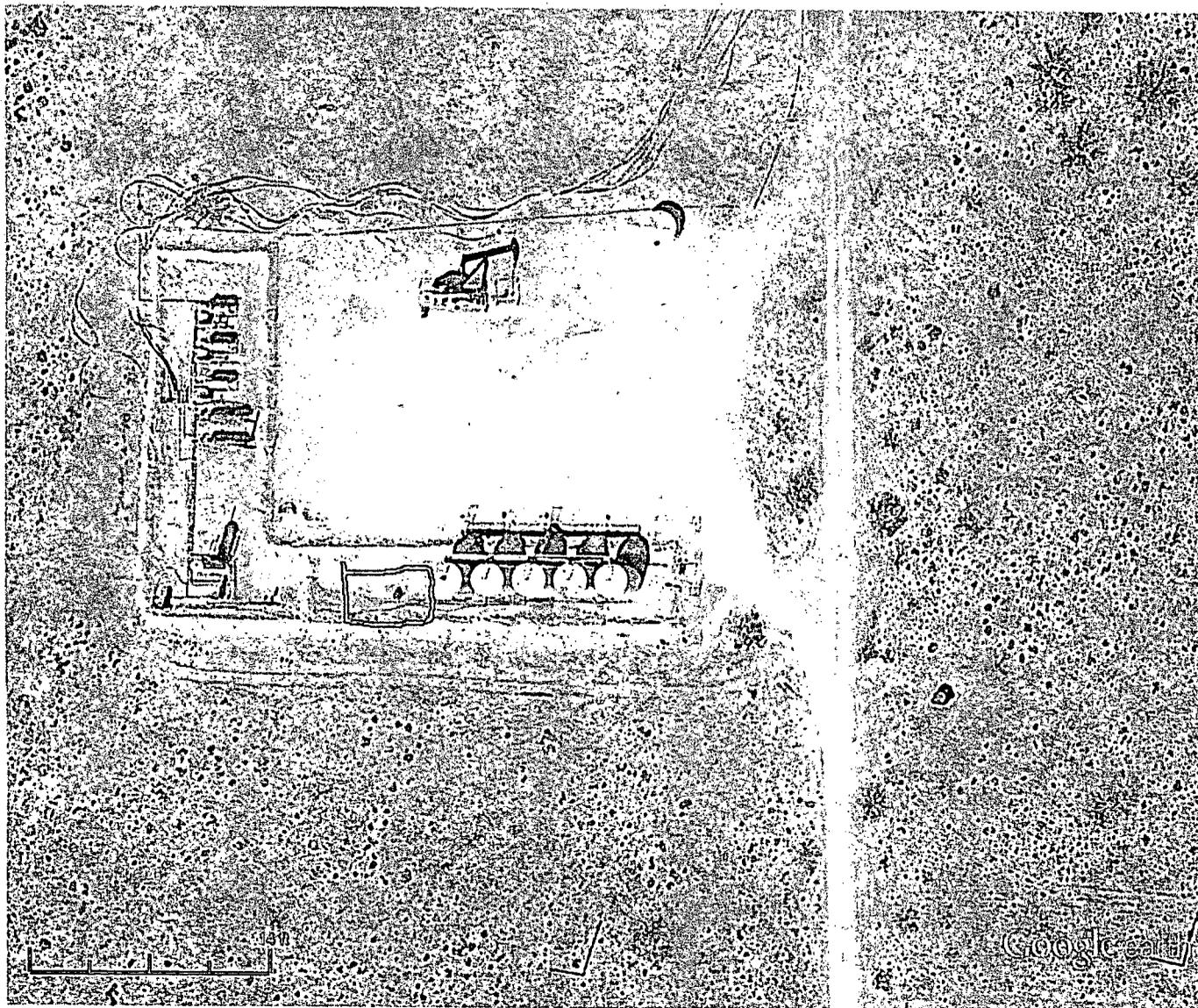
If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at [acannon@yatespetroleum.com](mailto:acannon@yatespetroleum.com).

Thank You,

A handwritten signature in black ink that reads "Amber Cannon". The signature is written in a cursive, flowing style.

Amber Cannon  
Environmental Regulatory Agent  
Yates Petroleum Corporation

Enclosure(s)



Google earth

feet  
meters

200

90



Martha AIK Federal #1 Battery

Release Date: 12/26/2013 2RP-2159

## Martha AIK Federal #1

### Cardinal Laboratories

Analytical Report - 400423	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
BATT 1' (3' BSL)	Release Area	2/10/2014	Grab/Auger	1'	127	3070	7070	10140
BATT 2' (4' BSL)	Release Area	2/10/2014	Grab/Auger	2'	0.870	12.9	179	191.9
BATT 3' (5' BSL)	Release Area	2/10/2014	Grab/Auger	3'	0.937	26.9	563	589.9

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 150', Section 11-22S-31E, per Trend Map).

All results are ppm. Chlorides for documentation.

Released: 50 B/O; Recovered: 35 B/O. Release Date: 12/26/2013. 2RP-2159

February 19, 2014

AMBER CANNON  
YATES PETROLEUM CORPORATION  
105 S 4th Street  
Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 13:20.

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

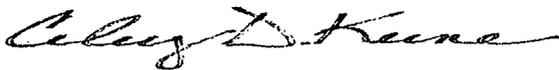
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

 YATES PETROLEUM CORPORATION  
 AMBER CANNON  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	02/12/2014	Sampling Date:	02/10/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

**Sample ID: BATT 1' (3' BSL) (H400423-01)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>2.37</b>	2.00	02/14/2014	ND	2.25	113	2.00	5.84		
<b>Toluene*</b>	<b>28.3</b>	2.00	02/14/2014	ND	2.26	113	2.00	4.05		
<b>Ethylbenzene*</b>	<b>22.6</b>	2.00	02/14/2014	ND	2.23	111	2.00	4.06		
<b>Total Xylenes*</b>	<b>73.6</b>	6.00	02/14/2014	ND	6.57	110	6.00	2.90		
<b>Total BTEX</b>	<b>127</b>	12.0	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 132% 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>3070</b>	100	02/13/2014	ND	198	98.9	200	12.2		
<b>DRO &gt;C10-C28</b>	<b>7070</b> 10,140	100	02/13/2014	ND	195	97.5	200	9.27		

Surrogate: 1-Chlorooctane 166% 65.2-140

Surrogate: 1-Chlorooctadecane 152% 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

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 YATES PETROLEUM CORPORATION  
 AMBER CANNON  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	02/12/2014	Sampling Date:	02/10/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

**Sample ID: BATT 2' (4' BSL) (H400423-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84		
Toluene*	<b>0.058</b>	0.050	02/14/2014	ND	2.26	113	2.00	4.05		
Ethylbenzene*	<b>0.187</b>	0.050	02/14/2014	ND	2.23	111	2.00	4.06		
Total Xylenes*	<b>0.625</b>	0.150	02/14/2014	ND	6.57	110	6.00	2.90		
<b>Total BTEX</b>	<b>0.870</b>	0.300	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 124 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>12.9</b>	10.0	02/13/2014	ND	198	98.9	200	12.2		
<b>DRO &gt;C10-C28</b>	<b>179</b> <i>191.9</i>	10.0	02/13/2014	ND	195	97.5	200	9.27		

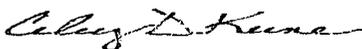
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 AMBER CANNON  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	02/12/2014	Sampling Date:	02/10/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

**Sample ID: BATT 3' (5' BSL) (H400423-03)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84		
Toluene*	<b>0.084</b>	0.050	02/14/2014	ND	2.26	113	2.00	4.05		
Ethylbenzene*	<b>0.155</b>	0.050	02/14/2014	ND	2.23	111	2.00	4.06		
Total Xylenes*	<b>0.697</b>	0.150	02/14/2014	ND	6.57	110	6.00	2.90		
<b>Total BTEX</b>	<b>0.937</b>	0.300	02/14/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 131 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<b>26.9</b>	10.0	02/13/2014	ND	198	98.9	200	12.2		
DRO >C10-C28	<b>563</b> 589.9	10.0	02/13/2014	ND	195	97.5	200	9.27		

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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Celest 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

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Celey D. Keene, Lab Director/Quality Manager

