

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986

S.P. YATES
1914-2008



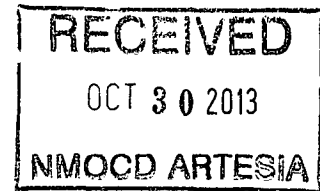
105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (575) 748-1471
www.yatespetroleum.com

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CHIEF FINANCIAL OFFICER

JAMES S. BROWN
CHIEF OPERATING OFFICER



October 30, 2013

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

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

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on June 7, 2013 (2RP-1692).

On October 17 - 18, 2013 Yates had a contractor complete the following work as per our meeting with Yates, BLM and NMOCD personnel at Yates' offices on September 23, 2013.

1. Section 1 of release area: Starts at the tin horn and goes approximately 70' south of the tin horn. Vertically, Yates excavated approximately 3.5'. Horizontally Yates excavated approximately 15' west and 15' east of the buried flow lines.
2. Section 2 of release area: Starts approximately 70' south of the tin horn and goes to the two track road for the electric pole right of way. Vertically, Yates excavated approximately 2.5'. Horizontally Yates excavated approximately 15' west and 15' east of the buried flow lines.
3. Section 3 of the release area: This area is north of the tin horn. It was decided (in the meeting mentioned above) that no excavation was needed at this time.

All excavated materials were disposed of at a NMOCD approved disposal facility.

Please find attached a final C-141, site diagram (not to scale), and analytical reports. Yates Petroleum Corporation requests closure based on sample delineation, excavation and prior approval by OCD personal of work proposal.

If you have any questions, please call me at 575-748-4111.

Thank you.

YATES PETROLEUM CORPORATION

A handwritten signature in black ink that reads "Amber Cannon". The script is cursive and fluid, with the first name "Amber" and last name "Cannon" clearly distinguishable.

Amber Cannon
Environmental Regulatory Agent

/anc
Enclosure(s)

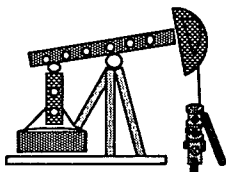
YATES PETROLEUM CORPORATION

Martha AIK Federal #1 Battery Tin Horn Release
Release Date: 6/7/2013
2RP-1692

Wednesday, October 30, 201

NW

NE



Martha AIK Federal Tank Battery
and Martha AIK Federal #1
wellhead and pumpjack

Tanks and separation equipment

A
C
C
E
S
S

R
O
A
D

Section 3

Tin
Horn

Section 2

Section 1

Two Track

DRAWING NOT TO SCALE

SW

SE

Martha AIK Federal #1 Tin Horn

Cardinal Laboratories

Analytical Report- H301631	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
MT1-1	Release Area	7/11/2013	Grab/Backhoe	1'	ND	ND	ND	ND	2,360
MT1-2	Release Area	7/11/2013	Grab/Backhoe	2'	ND	ND	ND	ND	7,760
MT1-3	Release Area	7/11/2013	Grab/Backhoe	3'	ND	ND	ND	ND	2,560
MT1-4	Release Area	7/11/2013	Grab/Backhoe	4'	ND	ND	ND	ND	1,070
MT1-5	Release Area	7/11/2013	Grab/Backhoe	5'	ND	ND	ND	ND	448
MT1-6	Release Area	7/11/2013	Grab/Backhoe	6'	ND	ND	ND	ND	496
MT2-1	Release Area	7/11/2013	Grab/Backhoe	1'	ND	ND	ND	ND	6,880
MT2-2	Release Area	7/11/2013	Grab/Backhoe	2'	ND	ND	ND	ND	2,840
MT2-3	Release Area	7/11/2013	Grab/Backhoe	3'	ND	ND	ND	ND	496
MT2-4	Release Area	7/11/2013	Grab/Backhoe	4'	ND	ND	ND	ND	658
MT2-5	Release Area	7/11/2013	Grab/Backhoe	5'	ND	ND	ND	ND	672
MT2-6	Release Area	7/11/2013	Grab/Backhoe	6'	ND	ND	ND	ND	1,880

Analytical Report- H302035	Sample Area	Sample Date	Sample Type	Depth	Chlorides
Martha 1 TH 3-1	Release Area	8/22/2013	Grab/Backhoe	1'	416
Martha 1 TH 3-2	Release Area	8/22/2013	Grab/Backhoe	2'	304
Martha 1 TH 3-3	Release Area	8/22/2013	Grab/Backhoe	3'	656
Martha 1 TH 3-4	Release Area	8/22/2013	Grab/Backhoe	4'	1,790
Martha 1 TH NW	Release Area	8/22/2013	Grab/Backhoe		672
Martha 1 TH EW Inner	Release Area	8/22/2013	Grab/Backhoe		192
Martha 1 TH EW Outer	Release Area	8/22/2013	Grab/Backhoe		16
Martha 1 TH WW Inner	Release Area	8/22/2013	Grab/Backhoe		48
Martha 1 TH WW Outer	Release Area	8/22/2013	Grab/Backhoe		32
Martha 1 TH SW	Release Area	8/22/2013	Grab/Backhoe		304

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: 250 B/PW, 1 B/O; Recovered: 0 B/PW, 0 B/O. Release Date: 6/7/2013. 2RP-1692



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

July 19, 2013

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 07/12/13 10:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder", written in a cursive style.

Mike Snyder

Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 1-1 (H301631-01)

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	07/15/2013	ND	2.17	108	2.00	2.05	
Toluene*	<0.050	0.050	07/15/2013	ND	2.07	104	2.00	2.00	
Ethylbenzene*	<0.050	0.050	07/15/2013	ND	2.12	106	2.00	2.06	
Total Xylenes*	<0.150	0.150	07/15/2013	ND	6.35	106	6.00	2.23	
Total BTEX	<0.300	0.300	07/15/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 103 % 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	2360	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69	
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34	

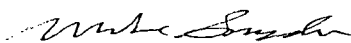
Surrogate: 1-Chlorooctane 88.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.5 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 1-2 (H301631-02)

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	07/15/2013	ND	2.17	108	2.00	2.05		
Toluene*	<0.050	0.050	07/15/2013	ND	2.07	104	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/15/2013	ND	2.12	106	2.00	2.06		
Total Xylenes*	<0.150	0.150	07/15/2013	ND	6.35	106	6.00	2.23		
Total BTEX	<0.300	0.300	07/15/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIB) 103 % 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	7760	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69		
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34		

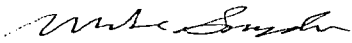
Surrogate: 1-Chlorooctane 90.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 1-3 (H301631-03)

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	07/15/2013	ND	2.17	108	2.00	2.05	
Toluene*	<0.050	0.050	07/15/2013	ND	2.07	104	2.00	2.00	
Ethylbenzene*	<0.050	0.050	07/15/2013	ND	2.12	106	2.00	2.06	
Total Xylenes*	<0.150	0.150	07/15/2013	ND	6.35	106	6.00	2.23	
Total BTEX	<0.300	0.300	07/15/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	2560	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69		
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34		

Surrogate: 1-Chlorooctane 89.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.7 % 63.6-154

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*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 1-4 (H301631-04)

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	07/15/2013	ND	2.17	108	2.00	2.05		
Toluene*	<0.050	0.050	07/15/2013	ND	2.07	104	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/15/2013	ND	2.12	106	2.00	2.06		
Total Xylenes*	<0.150	0.150	07/15/2013	ND	6.35	106	6.00	2.23		
Total BTEX	<0.300	0.300	07/15/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 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	1070	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69		
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34		

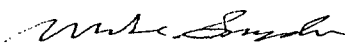
Surrogate: 1-Chlorooctane 92.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.3 % 63.6-154

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*=Accredited Analyte

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 Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 1-5 (H301631-05)

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	07/15/2013	ND	2.17	108	2.00	2.05	
Toluene*	<0.050	0.050	07/15/2013	ND	2.07	104	2.00	2.00	
Ethylbenzene*	<0.050	0.050	07/15/2013	ND	2.12	106	2.00	2.06	
Total Xylenes*	<0.150	0.150	07/15/2013	ND	6.35	106	6.00	2.23	
Total BTEX	<0.300	0.300	07/15/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 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	448	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69	
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34	

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.7 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 1-6 (H301631-06)

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	07/15/2013	ND	2.17	108	2.00	2.05		
Toluene*	<0.050	0.050	07/15/2013	ND	2.07	104	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/15/2013	ND	2.12	106	2.00	2.06		
Total Xylenes*	<0.150	0.150	07/15/2013	ND	6.35	106	6.00	2.23		
Total BTEX	<0.300	0.300	07/15/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 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	496	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69		
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34		

Surrogate: 1-Chlorooctane 92.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.9 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 2-1 (H301631-07)

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	07/15/2013	ND	2.17	108	2.00	2.05	
Toluene*	<0.050	0.050	07/15/2013	ND	2.07	104	2.00	2.00	
Ethylbenzene*	<0.050	0.050	07/15/2013	ND	2.12	106	2.00	2.06	
Total Xylenes*	<0.150	0.150	07/15/2013	ND	6.35	106	6.00	2.23	
Total BTEX	<0.300	0.300	07/15/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 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	6880	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69	
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34	

Surrogate: 1-Chlorooctane 85.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.2 % 63.6-154

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*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 2-2 (H301631-08)

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	07/15/2013	ND	2.17	108	2.00	2.05		
Toluene*	<0.050	0.050	07/15/2013	ND	2.07	104	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/15/2013	ND	2.12	106	2.00	2.06		
Total Xylenes*	<0.150	0.150	07/15/2013	ND	6.35	106	6.00	2.23		
Total BTEX	<0.300	0.300	07/15/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 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	2840	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69	
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34	

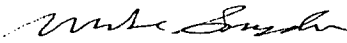
Surrogate: 1-Chlorooctane 91.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.2 % 63.6-154

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 Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 2-3 (H301631-09)

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	07/16/2013	ND	2.32	116	2.00	13.8		
Toluene*	<0.050	0.050	07/16/2013	ND	2.18	109	2.00	14.6		
Ethylbenzene*	<0.050	0.050	07/16/2013	ND	2.21	110	2.00	15.2		
Total Xylenes*	<0.150	0.150	07/16/2013	ND	6.53	109	6.00	13.9		
Total BTEX	<0.300	0.300	07/16/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 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	496	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69		
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34		

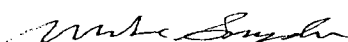
Surrogate: 1-Chlorooctane 86.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.4 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 2-4 (H301631-10)

BTX 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	07/16/2013	ND	2.32	116	2.00	13.8		
Toluene*	<0.050	0.050	07/16/2013	ND	2.18	109	2.00	14.6		
Ethylbenzene*	<0.050	0.050	07/16/2013	ND	2.21	110	2.00	15.2		
Total Xylenes*	<0.150	0.150	07/16/2013	ND	6.53	109	6.00	13.9		
Total BTX	<0.300	0.300	07/16/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 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	658	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69		
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34		

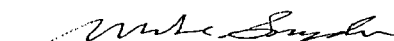
Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.0 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 2-5 (H301631-11)

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	07/16/2013	ND	2.32	116	2.00	13.8		
Toluene*	<0.050	0.050	07/16/2013	ND	2.18	109	2.00	14.6		
Ethylbenzene*	<0.050	0.050	07/16/2013	ND	2.21	110	2.00	15.2		
Total Xylenes*	<0.150	0.150	07/16/2013	ND	6.53	109	6.00	13.9		
Total BTEX	<0.300	0.300	07/16/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	672	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69		
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34		

Surrogate: 1-Chlorooctane 83.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.7 % 63.6-154

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Analytical Results For:

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

Received:	07/12/2013	Sampling Date:	07/11/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MT 2-6 (H301631-12)

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	07/16/2013	ND	2.32	116	2.00	13.8	
Toluene*	<0.050	0.050	07/16/2013	ND	2.18	109	2.00	14.6	
Ethylbenzene*	<0.050	0.050	07/16/2013	ND	2.21	110	2.00	15.2	
Total Xylenes*	<0.150	0.150	07/16/2013	ND	6.53	109	6.00	13.9	
Total BTEX	<0.300	0.300	07/16/2013	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	07/16/2013	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	07/15/2013	ND	200	100	200	8.69	
DRO >C10-C28	<10.0	10.0	07/15/2013	ND	211	105	200	5.34	

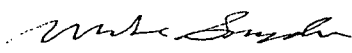
Surrogate: 1-Chlorooctane 91.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.2 % 63.6-154

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Mike Snyder, Organic Supervisor

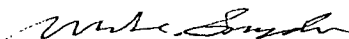
Notes and Definitions

- 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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Mike Snyder, Organic Supervisor



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

August 29, 2013

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL # TH_{FIELD}

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 12:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/23/2013	Sampling Date:	08/22/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 TH FIELD	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MARTHA 1 TH 3-1 (H302035-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/29/2013	ND	448	112	400	3.64	

Sample ID: MARTHA 1 TH 3-2 (H302035-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/29/2013	ND	448	112	400	3.64		

Sample ID: MARTHA 1 TH 3-3 (H302035-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/29/2013	ND	432	108	400	0.00	

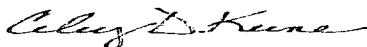
Sample ID: MARTHA 1 TH 3-4 (H302035-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	08/29/2013	ND	432	108	400	0.00	

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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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1-FIELD	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MARTHA 1 TH NW (H302035-05)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	08/29/2013	ND	432	108	400	0.00		

Sample ID: MARTHA 1 TH EW INNER (H302035-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/29/2013	ND	432	108	400	0.00	

Sample ID: MARTHA 1 TH EW OUTER (H302035-07)

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/29/2013	ND	432	108	400	0.00		

Sample ID: MARTHA 1 TH WW INNER (H302035-08)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/29/2013	ND	432	108	400	0.00	

Sample ID: MARTHA 1 TH WW OUTER (H302035-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/29/2013	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/23/2013	Sampling Date:	08/22/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 TH FIELD	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MARTHA 1 TH SW (H302035-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/29/2013	ND	432	108	400	0.00		

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

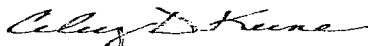
Notes and Definitions

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

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Amber Cannon

Project Name: Martha AIK Federal #1 Field

Company Name Yates Petroleum Corporation

Project #: 30-015-26549

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 103-2020

Telephone No: 575-748-4111 or 575-513-8799

Fax No: 575-748-4131

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Kimber Cannon

e-mail: acannon@yatespetroleum.com

[illegible]

Bratcher, Mike, EMNRD

From: Amber Cannon <ACannon@yatespetroleum.com>
Sent: Wednesday, October 30, 2013 4:28 PM
To: Bratcher, Mike, EMNRD
Subject: Martha AIK Federal #1 Tin Horn Final C-141
Attachments: MarthaAIKFederal1TH_C141_060713 Final.pdf

Mike,

Attached is the Final C-141 for the Martha AIK Federal #1 tin horn release.

Thanks,

Amber Cannon

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

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

State of New Mexico
Energy Minerals and Natural Resources

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

RECEIVED

OCT 30 2013

NMOCD ARTESIA

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Amber Cannon
Address 105 S. 4 TH Street		Telephone No. 575-748-1471
Facility Name Martha AIK Federal #1	API Number 30-015-26549	Facility Type Battery/Tin Horn

Surface Owner Federal	Mineral Owner Federal	Lease No. NM-65417
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LOCATION OF RELEASE

Unit Letter P	Section 11	Township 22S	Range 31E	Feet from the 330'	North/South Line South	Feet from the 430'	East/West Line East	County Eddy
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Latitude 32.39966 Longitude 103.74086

NATURE OF RELEASE


Type of Release Produced Water; Crude Oil	Volume of Release 250 B/PW; 1 B/O	Volume Recovered 0 B/PW; 0 B/O
Source of Release Water transfer line	Date and Hour of Occurrence 6/7/2013; AM	Date and Hour of Discovery 6/7/2013, AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD II	
By Whom? Robert Asher/Yates Petroleum Corporation	Date and Hour 6/7/2013; AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
A water transfer line east of the battery at the tin horn ruptured.

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 60' X 300' (release occurred south from the tin horn). All wells were turned off, water pumps were shut off, foreman was notified and crews were called to fix the water line. A crew will be called to do initial clean-up of the area, and all excavated soils will be disposed of at an approved NMOCD facility. Vertical and horizontal delineation samples will be taken and sent to a NMOCD approved facility. **Depth to Ground Water: >100' (approximately 150', Section 11, T22S-R31E, per Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.** Yates Petroleum requests closure, please see attached cover letter for additional information.

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: Amber Cannon	Approved by District Supervisor:		
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:	
E-mail Address: acannon@yatespetroleum.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: Wednesday, October 30, 2013	Phone: 575-748-4111	2RP-1692	

* Attach Additional Sheets If Necessary