MARTIN YATES, III

FRANK W. YATES 1936-1986

S.P. YATES



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471 www.yatespetroleum.com EXECUTIVE VICE PRESIDENT
CHIEF FINANCIAL OFFICER

JAMES S. BROWN
CHIEF OPERATING OFFICER

JOHN A. YATES

JOHN A. YATES JR.

CHAIRMAN OF THE BOARD

PRESIDENT

JOHN D. PERINI

July 21, 2014

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

RE:

Martha AIK Federal #6 Tin Horn

30-015-26960

Section 11, T22S-R31E Eddy County, New Mexico

Mr. Bratcher,

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the two releases that occurred at the above mentioned facility on June 12, 2013 (2RP-1697) and August 13, 2013 (2RP-1856). The June 12, 2013 release was 40 barrels produced water with no produced water recovered. The August 13, 2013 release was 150 barrels of produced water with 130 barrels of produced water recovered.

Initial TPH/BTEX and Chloride delineation samples were taken on 7/11/2013 for the area designated as M6 on the sample diagram. They were sent to a NMOCD approved facility and are attached for your review. Analytical reports showed that TPH/BTEX were non-detectable. There were elevated levels of chlorides found at 1' and 2' below ground level. Yates excavated approximately 2.5' from this area to remove the chloride contaminants. Yates then backfilled this area with clean, like soils. Yates personnel visited the release area on July 14, 2014 and vegetation is starting to naturally come back in this previously excavated area. Other than re-seeding this area (to promote more growth than what is starting to come in naturally), Yates proposes no more work for this area of the release.

Chloride samples were also taken on 8/22/2013, 10/2/2013, and 1/17/2014 for the impacted areas around the tin horn and were sent to a NMOCD approved facility. Analytical reports are attached for your review.

Yates needs to complete work for the part of the release that occurred around the tin horn. Yates proposes to do the following work around the tin horns. Note that there are gas and water lines that go through this part of the release, as a result safety for contractors will be a top priority for the excavation of these sections of the release area.

1. Excavate 4' vertically from section TH2 and TH3. The proposed excavated area will be approximately 52' long and 56' feet wide. After this area has been excavated Yates will backfill the area with 2' of caliche and 2' of clean, like soils. Yates will then re-seed the area around the tin horn with the BLM Lesser Prairie Chicken seed mix.

2. We propose to not excavate from the lease road at this time due to the caliche road acting as a cap to prevent further leaching of chlorides. At Yates' visual inspection on 7/14/2014 no visible chlorides were seen on the road.

Yates would like to start this work no later than Monday, July 28, 2014.

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

Thank You,

Amber Cannon

Environmental Regulatory Agent Yates Petroleum Corporation

Enclosure(s):

1. Site Diagram

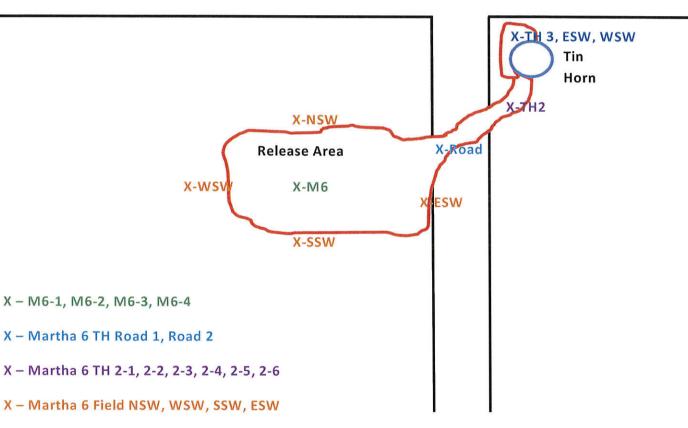
2. Analytical Reports

cc: Duncan Whitlock, BLM - Carlsbad District Office





Martha AIK Federal #6 Location





X - Martha 6 TH 3-4, 3-5, 3-6, ESE, WSW

Martha AIK Federal #6 Tin Horn

30-015-26960

Section 11, T22S-R31E

Eddy County, NM

Prepared by Amber Cannon Environmental Regulatory Agent

DRAWING NOT TO SCALE

Martha AIK Federal #6

Analytical Report- H301633	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO DRO	DRO	TOTAL	Chlorides
M6-1	Release Area	7/11/2013	Grab/Backhoe	1.	QN	QN	QN	UN	5,040
M6-2	Release Area	7/11/2013	Grab/Backhoe	2.	QN	QN	QN	ND	1,540
M6-3	Release Area	7/11/2013	Grab/Backhoe	3.	ΠN	QN	QN	ND	32
M6-4	Release Area	7/11/2013	Grab/Backhoe	4'	QN	QN	QN	ND	ND
THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I									

Chlorides	809	6,160	240	448	352	416	10,300	8,400	16,700	912	9,330	2,320	3,000	1,090	544	448	1,170
Depth	1.	2'	3,	4.	5.	.9	4.	5.	.9	Sidewall	Sidewall	1.	2'	Sidewall	Sidewall	Sidewall	Sidewall
Sample Type	Grab/Backhoe	Grab/Backhoe	Grab/Composite	Grab/Composite	Grab/Composite	Grab/Composite											
Sample Date	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013	8/22/2013
Sample Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area
Analytical Report- H302036	Martha 6 TH 2-1	Martha 6 TH 2-2	Martha 6 TH 2-3	Martha 6 TH 2-4	Martha 6 TH 2-5	Martha 6 TH 2-6	Martha 6 TH 3-4	Martha 6 TH 3-5	Martha 6 TH 3-6	Martha 6 TH ESW	Martha 6 TH WSW	Martha 6 TH Road 1	Martha 6 TH Road 2	Martha 6 Field NSW	Martha 6 Field WSW	Martha 6 Field SSW	Martha 6 Field ESW

Analytical Report- H302421	Sample Area	Sample Date	Sample Type	Depth	Chlorides
Martha 6 TH 3-7	Release Area	10/2/2013	Grab/Backhoe	7.	20,800
Martha 6 TH 3-8	Release Area	10/2/2013	Grab/Backhoe	.8	10,000
Martha 6 TH Inner	Release Area	10/2/2013	Grab/Backhoe	Sidewall	368
Martha 6 TH Outer	Release Area	10/2/2013	Grab/Backhoe	Sidewall	3,360

Analytical Report- H400166	Sample Area	Sample Date	Sample Type	Depth	Chlorides
Mar 6 TH 3-10	Release Area	1/17/2014	Grab/Core Rig	10.	3,800
Mar 6 TH 3-15	Release Area	1/17/2014	Grab/Core Rig	15'	4,720
Mar 6 TH 3-20	Release Area	1/17/2014	Grab/Core Rig	20.	1,260
Mar 6 TH 3-25	Release Area	1/17/2014	Grab/Core Rig	25.	208

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 448', Section 16-22S-31E, per NMOSE). All results are ppm.Chlorides for documentation. Released: 40 B/PW; Recovered: 0 B/PW. Release Date: 6/12/2013; 2RP-1697 Released: 150 B/PW; Recovered: 130 B/PW. Release Date: 8/13/2013; 2RP-1856



July 19, 2013

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

RE: MARTHA AIK FEDERAL #6 (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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Wite Sugh

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,

Mike Snyder

Organic Supervisor



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

Fax To:

o: (505) 748-4635

Received:

07/12/2013

Sampling Date:

07/11/2013

Reported:

07/19/2013

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: M6-1 (H301633-01)

BTEX 8021B	mg/	kg	Analyze	ed 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 (PIL	106 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	07/16/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d 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	86.0	% 65.2-140	0						
Surrogate: 1-Chlorooctadecane	93.5 9	63.6-15-	4						

Cardinal Laboratories

*=Accredited Analyte

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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:

DTEV OAS1D

07/19/2013

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: M6-2 (H301633-02)

BTEX 8021B	mg/	kg	Analyze	d 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 (PIL	106 9	% 89.4-12	6			3.00940			· · · · · · · · · · · · · · · · · · ·
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	07/16/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d 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	85.49	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.99	% 63.6-15	4						

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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:

Project Name:

Soil

MARTHA AIK FEDERAL #6 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: M6-3 (H301633-03)

BTEX 8021B	mg/	kg	Analyze	d 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 (PIL	104 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d 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	86.3 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.0 %	63.6-15-	4						

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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 #6 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: M6-4 (H301633-04)

BTEX 8021B	mg/	kg	Analyze	d 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 (PIL	105 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d 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	87.69	65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.0 9	63.6-15	4						

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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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ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Telephone No: Company Address: 105 South 4th Street Sampler Signature: City/State/Zip: Company Name Project Manager: Amber Cannon Yates Petroleum Corporation 575-748-4111 or 575-513-8799 Artesia, NM 88210 (Jamma) Fax No: e-mail: acannon@yatespetroleum.com 575-748-4131 Report Format: Project Name: Project Loc: Project #: PO#: x Standard Martha AIK Federal #6 (Tin Horn) 30-015-26960 **Eddy County** TRRP 103-2020 NPDES Page 7 of 7

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August 29, 2013

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

Martha AIR Federal #16 TH
RE: DOLORES AIL FEDERAL #1 (TIN HORN)

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 accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



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:

DOLORES AIL FEDERAL #1 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: MARTHA 6 TH 2-1 (H302036-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH	2-2 (H30203	6-02)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH	2-3 (H30203	6-03)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH	2-4 (H30203	6-04)							
Chloride, SM4500CI-B	mg,	f.	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/29/2013	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Soil

Project Name:

Sampling Type:

Cool & Intact

DOLORES AIL FEDERAL #1 (TIN HORN)

Sampling Condition:

Project Number: Project Location: 30-015-26547 EDDY COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: MARTHA 6 TH 2-5 (H302036-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH 2-	6 (H30203	6-06)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH 3-	4 (H30203	6-07)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH 3-	5 (H30203	6-08)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH 3-	6 (H30203	6-09)							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16700	16.0	08/29/2013	ND	432	108	400	0.00	

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*=Accredited Analyte

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Celeg & Keine



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:

DOLORES AIL FEDERAL #1 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: MARTHA 6 TH ESW (H302036-10) Chlorida EM4E00CL P

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH	WSW (H3020	036-11)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH	ROAD 1 (H30	2036-12)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 TH	ROAD 2 (H30	2036-13)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 FIE	ELD NSW (H30	02036-14)						/alue QC RPD (Calue QC RPD (Ca	
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	08/29/2013	ND	432	108	400	0.00	

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*=Accredited Analyte

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Celey D. Keene



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:

DOLORES AIL FEDERAL #1 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: MARTHA 6 FIELD WSW (H302036-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 FI	ELD SSW (H30	2036-16)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/29/2013	ND	432	108	400	0.00	
Sample ID: MARTHA 6 FI	ELD ESW (H30	2036-17)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	08/29/2013	ND	432	108	400	0.00	

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Celey D. Keene



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 SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keens

Company Name Project Manager:

Yates Petroleum Corporation

Amber Cannon

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project#:	Project Name:	
30-015-26547	Marka RIK Fed + 6TH 5	The state of the s
Page	e 7 of 8	

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ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST PAGE 2 1-2

Relinquished by:	Relinquished by:	Kelinquisned by:		Special I												i.	5	7	LAB # (lab use only)	(lab use only) ORDER #:						
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Date	Date	Date						1							89			<	FIELD CODE	0.56		575-748-4111 or 575-513-8799	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	Amber Cannon
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October 10, 2013

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #6 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 10/07/13 13:17.

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 accreditated 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.

Celey D. Keine

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



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

Fax To:

(505) 748-4635

Received:

10/07/2013

Sampling Date:

10/02/2013

Reported:

10/10/2013

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 (TIN HORN)

Sampling Condition:

** (See Notes)

Project Number:

30-015-26960

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: MARTHA 6 TH 3-7 (H302421-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20800	16.0	10/09/2013	ND	416	104	400	0.00	

Sample ID: MARTHA 6 TH 3-8 (H302421-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	10/09/2013	ND	416	104	400	0.00	

Sample ID: MARTHA 6 TH INNER (H302421-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/09/2013	ND	416	104	400	0.00	

Sample ID: MARTHA 6 TH OUTER (H302421-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	10/09/2013	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene



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

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

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January 23, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #6 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 01/20/14 12:15.

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/ga/lab accredited certif.html.

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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.

Celey D. Keine

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



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

Received:

01/20/2014

Sampling Date:

01/17/2014

Reported:

01/23/2014

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 (TIN HORN)

Sampling Condition:

** (See Notes)

Project Number:

30-015-26960

Sample Received By:

Project Location:

EDDY COUNTY, NM

Jodi Henson

Sample ID: MAR 6 TH 3-10 (H400166-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit Analyzed

Method Blank

BS

% Recovery

True Value QC

Oualifier

Chloride

3800

16.0

01/23/2014

ND

416

104

400

Sample ID: MAR 6 TH 3-15 (H400166-02)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AP

RPD

0.00

0.00

RPD

0.00

Chloride

Chloride

Result 4720

16.0

Reporting Limit

16.0

Analyzed 01/23/2014 Method Blank ND

BS 416

% Recovery 104

True Value QC 400

Qualifier

Sample ID: MAR 6 TH 3-20 (H400166-03)

Chloride, SM4500CI-B

1260

Analyzed By: AP

Analyte

Result Reporting Limit Analyzed

01/23/2014

Method Blank

ND

BS

416

% Recovery

104

True Value QC 400

RPD

Qualifier

Sample ID: MAR 6 TH 3-25 (H400166-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Chloride

Result

208

Reporting Limit 16.0

Analyzed 01/23/2014

Method Blank ND

BS 416 % Recovery

104

True Value QC

400

RPD 0.00 Qualifier

Cardinal Laboratories

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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, PLEASE NOTE: Learning and partiages. Certaintest aboutty and clients excusive refined for any charge cause wastesever 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 within thirty (30) days after completion of the applicable service. In no event shall Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal within thirty (30) and shall cardinal within the completion of the service of the service hereunder or the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereunder or successors arising out of or related to the performance of the service hereund In no event shall Cardinal be liable for incidental or consequential damages daim 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. Kuna



ND

Notes and Definitions

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 SM4500CI-B does not require samples be received at or below 6°C

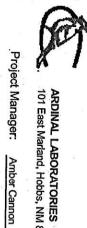
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

City/State/Zip:

Artesia, NM 88210

Company Address: 105 South 4th Street

Company Name

Yates Petroleum Corporation

Telephone No:

575-748-4111 or 575-513-8799

(505) 393-2326 FAX

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Martha AIK Federal #6 (Tin Horn of Decrease with the control	Fax No: 575-748-4131 Repor	PO#:Report Format: X Standard	± 205-2020
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