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

October 8, 2014

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

RE:

Martha AIK Federal #6 Flow Line

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 release that occurred at the above mentioned facility on August 9, 2014 (2RP-2491).

Initial TPH/BTEX and Chloride delineation samples were taken on 8/13/2014 for the release area. 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'- 3' below ground level. Yates excavated 3' from the release area to remove these elevated chlorides. Yates then delineated the area further 4'-8' on 10/1/2014 (results are attached for your review).

Based off of further delineation and work previously completed, Yates proposes to do the following remaining work. Once this work is completed, Yates will submit a Final C-141 to your office for closure of this site.

- 1. Excavate the release area through 4' to remove the 3,160 ppm chlorides found.
- 2. Backfill the release are with clean, like soils.
- 3. Re-seed the area with BLM Lesser Prairie Chicken seed mixture.

Yates would like to start this work as soon as possible.

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

annon

JOHN A. YATES

CHAIRMAN EMERITUS

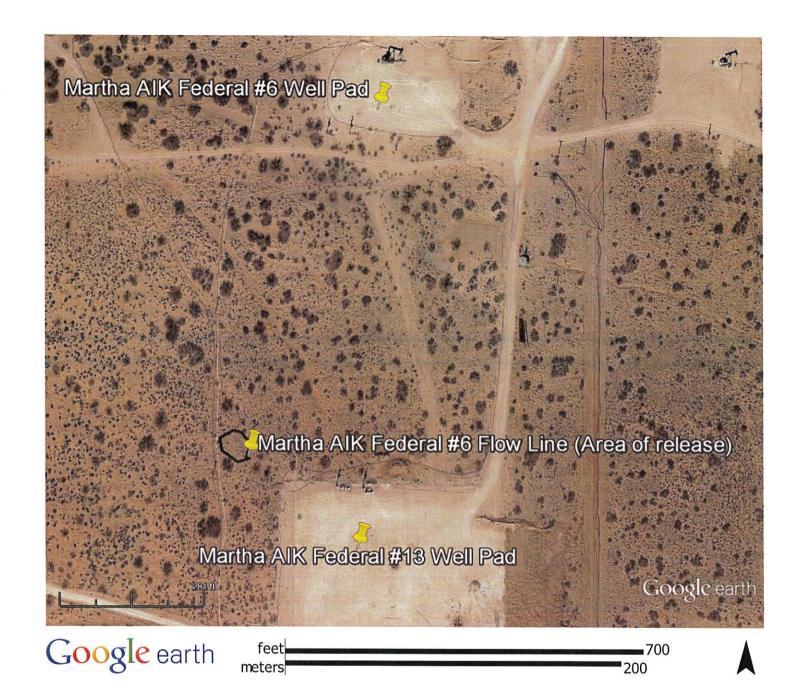
JOHN A. YATES JR.

CHAIRMAN OF THE BOARD

PRESIDENT

EXECUTIVE VICE PRESIDENT CHIEF FINANCIAL OFFICER

JAMES S. BROWN CHIEF OPERATING OFFICER



Martha AIK Federal #6 Flow Line

Cardinal Laboratories

	Excavated	Excavated	Excavated					
Chlorides	3,040	1,810	2,840	3,160	1,880	480	48	256
TOTAL	312.5	303.6	41.1					
DRO	295	287	41.1					
GRO DRO	17.5	16.6	ΠN					
BTEX	QN	QN	QN					
Depth	-	2'	3,	4'	5,	.9	7.	8,
Sample Type	Comp/Auger	Comp/Auger	Comp/Auger	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe
Sample Date	8/13/2014	8/13/2014	8/13/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014
Sample Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area
Analytical Report	H402503	H402503	H402503	H403010	H403010	H403010	H403010	H403010
	Comp 1'	Comp 2'	Comp 3'	4,	5,	9	7'	-80

Site Ranking is ZERO (0). Depth to Ground Water 100'-125' per ChevronTexaco Trend Map All results are ppm.Chlorides for documentation. Released: 10 B/PW, 10 B/O; Recovered: 0 B/PW, 0 B/O. Release Date: 8/9/2014. 2RP-???



August 18, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #6 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 08/14/14 11:30.

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.

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.

Celes & 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:

08/14/2014

Sampling Date:

08/13/2014

Reported:

08/18/2014

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 FLOWLINE

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: COMP 1' (H402503-01)

BTEX 8021B	mg/	kg	Analyze	d By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2014	ND	1.86	93.0	2.00	6.39	
Toluene*	<0.050	0.050	08/16/2014	ND	1.70	85.1	2.00	6.29	
Ethylbenzene*	<0.050	0.050	08/16/2014	ND	1.88	94.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	08/16/2014	ND	5.60	93.3	6.00	6.81	
Total BTEX	<0.300	0.300	08/16/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	17.5	10.0	08/15/2014	ND	172	86.1	200	2.06	
DRO >C10-C28	295	10.0	08/15/2014	ND	180	90.0	200	4.42	
Surrogate: 1-Chlorooctane	107 9	% 65.2-14	0	AND THE STREET OF THE STREET OF THE STREET					
Surrogate: 1-Chlorooctadecane	120 9	% 63.6-15	4						

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.

Clay & Kine -



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

Fax To:

(505) 748-4635

Received:

08/14/2014

Sampling Date:

08/13/2014

Reported:

08/18/2014

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 FLOWLINE

Sampling Condition:

Cool & Intact

Project Number:

Sample Received By:

Jodi Henson

30-015-26960

Project Location:

EDDY COUNTY, NM

Sample ID: COMP 2' (H402503-02)

BTEX 8021B	mg/	'kg	Analyze	d By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2014	ND	1.86	93.0	2.00	6.39	
Toluene*	<0.050	0.050	08/16/2014	ND	1.70	85.1	2.00	6.29	
Ethylbenzene*	<0.050	0.050	08/16/2014	ND	1.88	94.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	08/16/2014	ND	5.60	93.3	6.00	6.81	
Total BTEX	<0.300	0.300	08/16/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 89.4-12	6						
TPH 8015M	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	16.6	10.0	08/15/2014	ND	172	86.1	200	2.06	
DRO >C10-C28	287	10.0	08/15/2014	ND	180	90.0	200	4.42	
Surrogate: 1-Chlorooctane	102	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	117	% 63.6-15	4						

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 & trune -



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

Гах

Sampling Date:

08/13/2014

Reported:

08/14/2014 08/18/2014

Sampling Type:

Soil

Project Name:

Received:

MARTHA AIK FEDERAL #6 FLOWLINE

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: COMP 3' (H402503-03)

BTEX 8021B	mg/	kg	Analyze	d By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2014	ND	1.86	93.0	2.00	6.39	
Toluene*	<0.050	0.050	08/16/2014	ND	1.70	85.1	2.00	6.29	
Ethylbenzene*	<0.050	0.050	08/16/2014	ND	1.88	94.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	08/16/2014	ND	5.60	93.3	6.00	6.81	
Total BTEX	<0.300	0.300	08/16/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 89.4-12	6						
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/15/2014	ND	172	86.1	200	2.06	
DRO >C10-C28	41.1	10.0	08/15/2014	ND	180	90.0	200	4.42	
Surrogate: 1-Chlorooctane	101	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	118	% 63.6-15	4						

A I and Door als

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 claims 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.

Celeg & 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

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 claims 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.

Celeg Litera-



ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

									-			-		-									
Vellistied by.	Relinquish	Relinguished by:	opeciar									W	12	haust-	LAB # (lab use only)	(lab use only) ORDER #:							
ed by.	and his	hed by: (AMMM) The by:	opecial instructions:									Comp 3'	Comp 2'	Comp 1'	FIEC	only) R#: 140250	Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:	TO COOK WICH
Date		8/3/14	report. Thank you.			3									FIELD CODE	83		575-748-4111 or 575-513-8799	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	Amber Cannon	110, 110000, 14141 00240
=	1	= =	/ou.									ω	2		Beginning Depth			-8799			on .		
lime		Time)21B.							1		ω	νĩ	- <u>;</u>	Ending Depth								
Received by ELOT:	0	Received by .	Please show BTEX results as mg/kg.									8/13/2014	8/13/2014	8/13/2014	Date Sampled								(303) 393-2326 FAX (303) 393-24/6
ā		De	BTEX results									11:30 AM	11:27 AM	11:25 AM	Time Sampled		e-mail:	Fax No:					FAX (202) 39.
		2	as												Field Filtered								3-24
		E	mg/	\vdash						4					Total #. of Containers	\vdash	acannon@yatespetroleum.com	575-748-4131					ō
		1	ķ	\vdash		-			-	-		×	×	×	Ice	Pre	lä	748					
			Ple					+-		+		-			HNO₃ HCI	serv	19	413					
			Please put chlori	\vdash		-		+		+	+				H ₂ SO ₄	Preservation & #	9						
			pu		_	1		+-		+	-		-		NaOH	\$* # ○	ate						
			t ch		_			1		\dashv			\neg		Na ₂ S ₂ O ₃	of Contain	Spe						
		20	lorio												None	co I	elto						
Date	2	Da Da	ides												Other (Specify)	a	leu						
Ф			on												DW=Drinking Water SL=Sludge	≤].	20					
	ļ		on a separate		l							S	S	S	GW ≈ Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix	on	Report Format:				70	
Time			par	\vdash	\dashv	+-		-	\dashv	\dashv	-	×	×	×		158	7	고		Proj	סד	oje.	
)e	Ī		ate			1			_	\dashv					TPH: TX 1005 TX 1006			m,	מי	ect	roje	ž	
Ter	2	SCCF	Sar							7			7	7	Cations (Ca, Mg, Na, K)		1		PO #:	Project Loc:	Project#:	Project Name:	
nper	by c	Labels on container(s) Custody seals on container Custody seals on coole Custody seals on coole	nple Cs F												Anions (CI, SO4, Alkalinity)			\times					
atur	i lai	Sea Sea	Cor												SAR/ESP/CEC	TCLP:		x Standard				-,	
oŲ.	er/C	onta als o	Cor ntain of H												Metals: As Ag Ba Cd Cr Pb Hg	Se	8	ndar				Vlari	
jon F	lien	n co	ers l										_		Volatiles	4	Analyze	ci.				ha	
Temperature Uppn Receipt:	by Sampler/Client Rep. ? by Courier? UPS	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) Counts Hand Delivered	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?	_		4-4			_	_			_		Semivolatiles	;	D			m	30	AIK	
b.	2.3	ner(s	65 tz			-	_	-	_	-	_	×	×		BTEX 8021B/5030 or BTEX 82	60	7	Ц	205	Eddy County	30-015-26960	Fed	
	무	٣				+		+	_	_			_		RCI			TRRP	205-2020	0	5-26	iera	
a a	ŢI			\dashv	_			+	\dashv	-	-			-	N.O.R.M.			ס	20	unty	3960	费	
α	水源	NA	KA	\dashv		+		+-	\dashv	\dashv	+	×	$\stackrel{\times}{+}$		Chlorides SAR			Г			J	Martha AIK Federal #6 Flow Line	
	5			\dashv		+		+	\dashv	+	+-	\vdash						$_{z}$				۲ ۲	
റ്	N N Lone Star	(Z)ZZ	zz	\dashv		+	\dashv	++	\dashv	-	+	-	\dashv	+	RUSH TAT (Pre-Schedule) 24, 4	48. 72 brs	4	NPDES				ine	
	star	V		\dashv		+	-	++	\dashv	+	1	×	$\frac{1}{x}$		Standard TAT	, / 4 -1(3	_	S					



August 18, 2014

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

RE: MARTHA AIK FEDERAL #6 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 08/14/14 11:30.

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.

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.

Celes 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:

08/14/2014

Sampling Date:

08/13/2014

Reported:

08/18/2014

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 FLOWLINE

Reporting Limit

16.0

Reporting Limit

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: COMP 1' (H402503-01)

Chloride, SM4500CI-B

Analyte

Analyte

mg/kg

Analyzed By: AP

Method Blank

% Recovery

104

True Value QC

Qualifier

Chloride

Result

Analyzed 08/15/2014

Analyzed

ND

416

BS

400

RPD 3.92

Sample ID: COMP 2' (H402503-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

BS % Recovery

RPD

3.92

0 1:0

Chloride

Chloride

Result

16.0 08/15/2014

Method Blank ND

416

104

% Recovery

104

True Value QC 400 Qualifier

Sample ID: COMP 3' (H402503-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Result Reporting Limit

2840 16.0 0

Analyzed 08/15/2014

Method Blank ND BS 416 True Value QC 400 RPD

3.92

Qualifier

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 claims 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.

Celeg & Kreene -

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

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 T. Frence

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

Relinquished by:	Relinquished by:	Special								W	12		LAB # (lab use only)	ORDER #:						
ed by:	pauished by: $MDQ = QMVUY$ vauished by:	Special Instructions:								Comp 3'	Comp 2'	Comp 1'	FIE	# H0250	Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:
Date	N 8/13/14 Date	TPH: 8015B, BTEX: 8021B.											FIELD CODE	303		575-748-4111 or 575-513-8799	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	Amber Cannon
-		You.								ယ္	νį	<u></u> :	Beginning Depth			-8799			On	
Time	Time	021B.							1	ω	Ŋ	- <u>;</u>	Ending Depth	1						
Received by ELOT:	Received by:									8/13/2014	8/13/2014	8/13/2014	Date Sampled							
)T:	Des	Please show BTEX results as mg/kg. Please put chlorides								11:30 AM	11:27 AM	11:25 AM	Time Sampled		e-mail:	Fax No:				
	3	s as n		_		-	-		_		1	1	Field Filtered Total #. of Containers		lo	lσ				
	8	ng/kg		_	++	+		+	\dagger	×	×	×	Ice	П	acannon@yatespetroleu	575-748-4131				
	7	ما											HNO ₃	Preservation & # of Containers	non	18-41				
	1	eas			44								НСІ	vatio	(a)	3				
		e p			+		-	_					H ₂ SO ₄	8 #	yate					
		ut c		_	++	-	-	-	-				NaOH Na ₂ S ₂ O ₃	of Co	esp					
	20	hlor		_	++	-	\vdash	+-	\vdash		-		None	ntain	etr					
p	6 IU	ides				1		+	1				Other (Specify)	eg.	ole		ŀ			
Date	Date	9				<u> </u>		<u> </u>					DW=Drinking Water SL≃Sludge	-		1	ı	8 .1 8	ı	B.
	1	on a separate								S	S	S	GW = Groundwater S=Soil/Solid	Matrix	m.com	Report Format:				711
=	====	ера		_				-	-			_	NP=Non-Potable Specify Other	Ц,		ort F		Pro	45.000	Project Name:
Time	Time Time	rate			++-	-	\vdash	-	-	×	×		TPH: 418.1 8015M 80 TPH: TX 1005 TX 1006	0158		orm		ject	roj	Ct N
글ᆜ	8000	-	$\dashv \dashv$		+	-	\vdash	-	\vdash	-			Cations (Ca, Mg, Na, K)			at:	PO#:	Project Loc:	Project#:	ame
ompe Vd	Labels on container(s) Custody seals on conta Custody seals on coole Custody seals on coole Sample Hand Delivered by Sampler/Client R.	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?	$\neg \dagger \neg \dagger$		+	+	ff		\vdash				Anions (CI, SO4, Alkalinity)			×	1	1"	1.77	1
Cou	on dy se	ator e Co	\dashv	$\neg \dagger$	1	_		1					SAR / ESP / CEC	TCLP:		× Standard				
re U	control and I	y Cc of t											Metals: As Ag Ba Cd Cr Pb Hg	-	A	anda				Ma
l g	aine on c Oeliv	ners											Volatiles		Analyze	ď				tha
Rec UP	onta onta oole erec	ents											Semivolatiles					m	ယ	$\frac{1}{2}$
Temperature Upon Receipt:	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. ?	8 C *:								×	×	×	BTEX 80218/5030 or BTEX 82	260	Fon		205	ddy	9-01	Fe
Ĕ	(8)				4-4-			1					RCI			TRRP	205-2020	3	5-2	dera
e di	,				4-4-		- -	-	\sqcup	_	_		N.O.R.M.			õ	20	Eddy County	30-015-26960	光度
in ac	GENER	ARD !				-		-	-	×	×		Chlorides					-	Ö	Martha AIK Federal #6 Flow Line
	WW	0	_	-			\vdash	+-	\vdash	-	-		SAR		1	NPDES				J WC
5.00		0.00	1 1	1	1 1			1				- 1			- 1	77	1	1	1	15
x Lone Star	ZZZZZ	zz	$\dashv \dashv$	_	1	1		_	1	\neg		\dashv	RUSH TAT (Pre-Schedule) 24.	49 73 5	_	ğ		İ		9



October 06, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #6 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 10/02/14 11:30.

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 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.

Celes D. Keene

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:

10/02/2014

Sampling Date:

10/01/2014

Reported:

10/06/2014

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 FLOWLINE

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Kathy Perez

Project Location:

EDDY COUNTY, NM

Sample ID: 4' (H403010-01)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	10/03/2014	ND	416	104	400	0.00	

Sample ID: 5' (H403010-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	10/03/2014	ND	416	104	400	0.00	

Sample ID: 6' (H403010-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d BA: NA					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/03/2014	ND	416	104	400	0.00	x

Sample ID: 7' (H403010-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP				ressource sursummers	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/03/2014	ND	416	104	400	3.77	

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 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.

ally & Kenne



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

Fax To:

(505) 748-4635

Received:

10/02/2014

Sampling Date:

10/01/2014

Reported:

10/06/2014

Sampling Type:

Soil

Project Name:

MARTHA AIK FEDERAL #6 FLOWLINE

Sampling Condition:

Cool & Intact

Project Number:

30-015-26960

Sample Received By:

Kathy Perez

Project Location:

EDDY COUNTY, NM

Sample ID: 8' (H403010-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/03/2014	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability 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 walved 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 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.

Clay trend



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

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.

Cally & France

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

	Relir Relir		0 0	?					Τ	T			Τ	Τ	Τ	T		유 (교						
	Relinquished by:	Ambo	opecial instructions:	_						-		5	10	نى	U	-	LAB # (lab use only)	(lab use only) ORDER #:	10		_	_		100
	4 by) ex	struction									σō	7'	Q	ΩĪ	.4		# 1/3	Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:
		6	ons:															1	er Si	one l	tate/2	any A	any N	t Ma
		mnor																1403010	gnatı	0: No:	Zip:	Addre	Vame	nage
		9															FIE	CV	re:					ñ
																	FIELD CODE	0	-	575	Arte	105 South 4th Street	Yate	Amt
				1													Ď.	à	3	748-	Artesia, NM 88210	South	Yates Petroleum Corporation	Amber Cannon
	-	<u> </u>	-																0	4111	N N	1 4th	roleu	annor
Cata	Date	Date																		or 57	8210	Stree	m Cc	
ā	6	10 2 114																- communication of		75-51		<u>n</u>	orpora	
	1			-	\vdash		-	-	-	+		-	<u> </u>	_	 	-	D		3	575-748-4111 or 575-513-8799			ation	
=	Time	Time		-	\vdash		-	-	-	 	_	8	7:	Q	ΩĪ	.4	Beginning Depth		9	99				
				<u></u>			_	_	_		ļ	σō	7:	οĵ	ΩĪ	.4	Ending Depth		P					
Received by ELOT:	Received by:	Ceiv										10/	10/	10/	10/	10/								
ed by	ed by	ceived by	_									10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	Date Sampled							
ברכ		6		_			_					4	4	14	4	14								
	1	1										9:	9:	9:	မှ	9.								
		5										9:23 AM	9:21 AM	9:19 AM	9:17 AM	9:15 AM	Time Sampled		ф	Fax				
	0	8/	\cap									3	3	<u> </u>	<u> </u>	3			e-mail:	Fax No:				
	-	1		_			_		<u> </u>								Field Filtered		- 42	L				
		6		-	\vdash	-	+	-	-	-	_	>	>		1	1	Total #. of Containers Ice		acannon@yatespetroleum.com	575-748-4131				
		7				_	+	-	+	-		-			-		HNO ₃	Pre	[3]	748-				
		9		-			+	+	-	-		-					HCI	serva	on(413				
	1	[1	\top	\vdash								H ₂ SO ₄	Preservation & # of Containers	ΩY	_				
	14						1										NaOH	## Q	ate					
																	Na ₂ S ₂ O ₃	Cont	spe					
		0															None	ainen	ro					
Date	Date	Q ale				_	4	-			-						Other (Specify)	L'S	eu					
· (D												S	S	S	S	S	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid	M	III.O	R				
												0,	"	0,	0,	"	NP=Non-Potable Specify Other	Matrix	OT C	Report Format:		-		P
lime	Time	CY III					1	1										158	1	t Fo		Project Loc:	P	Project Name:
	1	\cup									***********						TPH: TX 1005 TX 1006			rma	P	ect	Project#:	t Na
Tem	San	Cus	San VOC														Cations (Ca. Mg. Na. K)				PO #:	000	#	me:
per:	18 S	els o tody tody	orat iple is Fi														Anions (CI, SO4, Alkalinity)	TCLP:		×				
ture		n co seal	Cont		_		-								_		SAR / ESP / CEC			Stan				~
5	Sample Hand Delivered by Sampler/Client Rep. ? by Couner? UPS C	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?				+-	-					\dashv				Metals: As Ag Ba Cd Cr Pb Hg	Se S		x Standard				larth
ž	liver lent I	con con	mer rs In adsp			_	+	-	_								Volatiles Semivolatiles	Analyze		ш.				na A
900	Sep.) taine ler(s	its: tact;		_	_	+	+				-		-			BTEX 8021B/5030 or BTEX 82	\dashv		\Box	2	Ed	30-	X
Temperature Upon Receipt:	PHC ?))				_	T	1		\dashv			\dashv		\neg		RCI			디	205-2020	Eddy County	30-015-26960	ede
11	г														7	7	N.O.R.M.]TRRP	020	òun	-269	ral t
1	Fed Cy	M	3									×	×	×	×	×	Chlorides					₹	60	おって
		CO	KK				1	1_1		_					\Box	_[SAR							Martha AIK Federal #6 Flow Line
າ້ ດ້	Lone Star	Zzz	zz	_	+	- -	+	\vdash		_	_	_	\dashv	-	4	-	DUCUTAT		I	NPDES				Line
,	Star	J'		-	\dashv	-	+	+		\dashv		×	×	×	×	-	RUSH TAT (Pre-Schedule) 24, 4 Standard TAT	18, 72 hrs	J	ES				.15
			X 25	1		- 1	1	1 1			1	^ I	1	1	~ 1	\times	Adiidald IAI				9 9			