MARTIN YATES, III 1912-1985

FRANK W. YATES 1936-1986

> 5.P. YATES 1914-2008



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (575) 748-1471 JOHN A. YATES CHAIRMAN OF THE BOARD

JOHN A. YATES JR. PRESIDENT

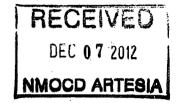
JAMES S. BROWN CHIEF OPERATING OFFICER

JOHN D. PERINI CHIEF FINANCIAL OFFICER

JORGE S. MENDOZA CHIEF ADMINISTRATIVE OFFICER

December 7, 2012

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



Re: Olsen MY #1 (Dayton Water Line) 30-015-25630 2 3/58 Section 33, T18S-R26E Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding release on June 27, 2012 (2RP-1219). Impacted soils of this release were excavated and hauled to an NMOCD approved facility. Vertical and horizontal delineation samples were taken and sent to an NMOCD approved laboratory. Enclosed are the analytical reports, results show TPH and BTEX, to be below RRAL's, based on a site ranking of zero (depth to ground water recorded at 168' per NMOSE, Section 34, T18S-R26E); Yates Petroleum Corporation requests closure based on impacted soils excavated/hauled to an approved NMOCD disposal facility and analytical results.

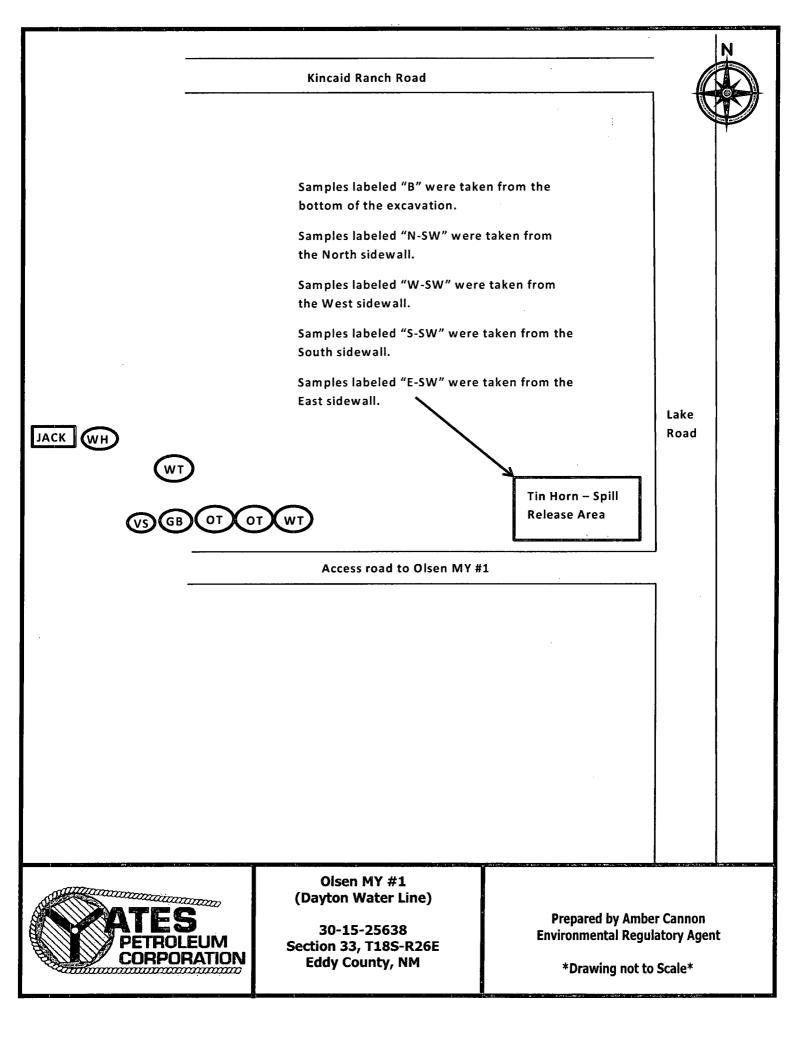
If you have any questions, please call me at 575-748-4111.

Thank you.

YATES PETROLEUM CORPORATION

Amber Cannon Environmental Regulatory Agent

/anc Enclosure(s)



Olsen MY #1 (Dayton Water Line)

Analytical Report-										
H201603	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides	
B-3'	Release Area	7/9/2012	Auger	3'	1.135	ND	14.7	14.7	50400	Excavated
B-4 _2−	Release Area	7/9/2012	Auger	4'	ND	ND	22.9	22.9	7520	Excavated

Analytical Report- H201821	Sample Area	Sample Date	Sample Type	Depth	Chlorides	
B-6'	Release Area	7/26/2012	Shovel	6'	2160	
N-SW (Sidewall)	Release Area	7/26/2012	Shovel	6" into sidewall	3200	Excavated
S-SW (Sidewall)	Release Area;	7/26/2012	Shovel	6" into sidewall	6560	Excavated
				CONTRACTOR STREET	STATE A A CLARTENA CAN	

Analytical Report-						
H202118	Sample Area	Sample Date	Sample Type	Depth	Chlorides	
(1455) B-7 14	Release Area	8/30/2012	Shovel	- 1. 7 - 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	944	
B-8'	Release Area	8/30/2012	Shovel	8'	832	
N-SW (Sidewall) 1	Release Area	8/30/2012	Shovel	1' into sidewall	6400	Excavated
N-SW (Sidewall) 2'	Release Area	8/30/2012	Shovel	2' into sidewall	.67.00	Excavated
S-SW (Sidewall) 1	Release Area	8/30/2012	Shovel	1 into sidewall	2120	
S-SW (Sidewall) 2	Release Area	\$ 8/30/2012	Shovel	2' into sidewall	688	
W-SW (Sidewall) 1	Release Area	8/30/2012	Shovel	1' into sidewall	11800	Excavated
W-SW (Sidewall) 2	Release Area	8/30/2012	Shovel	2' into sidewall	8200	Excavated
E-SW (Sidewall) 1'?			Shovel	1'into sidewall	11400	Excavated
E-SW (Sidewall) 2'	Release Area	8/30/2012	Shovel	2' into sidewall	11800	Excavated

TILOLOLO	Sample Area	Sample Date	Sample Type	Depth	Chlorides	
N-SW (Sidewall) 3'	Release Area		Shovel	3' into sidewall	2400	Excavated
N-SW (Sidewall) 4	Release Area	9/21/2012	Shovel	4' into sidewall	10000	Excavated
W-SW (Sidewall) 3"			Shovel	3' into sidewall	5520	Excavated
W-SW (Sidewall) 4			Shovel			
E-SW (Sidewall) 3	Release Area	9/21/2012	Shovel 🔅	3' into sidewall	3120 🛸	Excavated
SESW (Sidewall) 4	Release Area	9/21/2012	Shovel	4' into sidewall.	1650 🐛	

Analytical Report-						
H202549	Sample Area	Sample Date	Sample Type	Depth	Chlorides	
N-SW (Sidewall) 5	Release Area	10/18/2012	Shovel	5' into sidewall	5700	Excavated
W-SW (Sidewall) 5	ALC: A DWA, SHOP PARK A SH	 Control Total T Total Total T		5' into sidewall		
W-SW (Sidewall) 6	Release Area	10/18/2012	Shovel	6' into sidewall	2480	Excavated

11202010	Sample Area	Sample Date	Sample Type	Depth	Chlorides	
N-SW (Sidewall) 6	Release Area	11/2/2012	Shovel	6' into sidewall	4660	Excavated
N-SW (Sidewall) 7	Release Area	11/2/2012	Shovel	7 into sidewall	11000	Excavated
W-SW (Sidewall) 7	Release Area	11/2/2012	Shovel	7' into sidewall	<u>11400</u>	Excavated

Analytical Report-						
11202040	Sample Area	Sample Date	Sample Type	Depth	Chlorides	
N-SW (Sidewall) 12	"Release Area"	11/19/2012	Shovel	12' into sidewall	<u>1550</u>	Excavated
W-SW (Sidewall) 12'						Excavated
W-SW (Sidewall) 22'	Release, Area	11/19/2012	Shovel	22' into sidewall		
		· · · · · · · · · · ·				



July 18, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: OLSEN MY #1 - DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 07/13/12 11:20.

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.

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.

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	07/13/2012	Sampling Date:	07/09/2012
Reported:	07/18/2012	Sampling Type:	Soil
Project Name:	OLSEN MY #1 - DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	30-015-23158	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B-3' BSL (H201603-01)

BTEX 8021B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.117	0.050	07/18/2012	ND	1.91	95.7	2.00	0.781	
Toluene*	0.218	0.050	07/18/2012	ND	1.94	97.1	2.00	2.18	
Ethylbenzene*	0.272	0.050	07/18/2012	ND	1.98	99.0	2.00	1.91	
Total Xylenes*	0.528	0.150	07/18/2012	ND	5.99	99.9	6.00	2.45	
Surrogate: 4-Bromofluorobenzene (PIL	<i>[</i> 113 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2012	ND	166	83.1	200	6.45	
DRO >C10-C28	14.7	10.0	07/17/2012	ND	173	86.6	200	8.21	

Cardinal Laboratories

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

76.3 %

101 %

65.2-140

63.6-154

*=Accredited Analyte

PLASE 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.

Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/13/2012	Sampling Date:	07/09/2012
Reported:	07/18/2012	Sampling Type:	Soil
Project Name:	OLSEN MY #1 - DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	30-015-23158	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B-4' BSL (H201603-02)

BTEX 80218	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2012	ND	1.91	95.7	2.00	0.781	
Toluene*	<0.050	0.050	07/18/2012	ND	1.94	97.1	2.00	2.18	
Ethylbenzene*	<0.050	0.050	07/18/2012	ND	1.98	99.0	2.00	1.91	
Total Xylenes*	<0.150	0.150	07/18/2012	ND	5.99	99.9	6.00	2.45	
Surrogate: 4-Bromofluorobenzene (PIL	105	% 89.4-12	6						
TPH 8015M	mg,	/kg	Analyzed By: AM			·	:		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2012	ND	166	83.1	200	6.45	
DRO >C10-C28	22.9	10.0	07/17/2012	ND	173	86.6	200	8.21	
Surrogate: 1-Chlorooctane	73.9	% 65.2-14	0	·					
Surrogate: 1-Chlorooctadecane	101 9	63.6-15	4						

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*=Accredited Analyte

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Celeg D. Kune

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 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. Kerne

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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	Comp: (505) 393-2326	Yates Petroleum Corporation	òn														ļ	Proje	ect #	:				30-0)15-	231	58			
	Company Address:	105 South 4th Street	·····		,												Pro	oject	Loc	:			<u></u>	Ede	Jy C	our	ity	· · · · · · · · · · · · · · · · · · ·		
	City/State/Zip:	Artesia, NM 88210										PO #				103-202						2020	020							
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July 23, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

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Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

Yates Energ	y Petroleum Corp
AMBER CAN	NON
105 S 4th S	treet
Artesia NM,	88210
Fax To:	(505) 748-4635

Received:	07/13/2012	Sampling Date:	07/09/2012
Reported:	07/23/2012	Sampling Type:	Soil
Project Name:	OLSEN MY #1 - DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	30-015-23158	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B-3' BSL (H201603-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	50400	16.0	07/23/2012	ND	448	112	400	3.64	

Sample ID: B-4' BSL (H201603-02)

Chloride, SM4500Cl-B	mg_	/kg	Analyze	d By: HM		· · · · · · · · · · · · · · · · · · ·										
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier							
Chloride	7520	16.0	07/23/2012	ND	448	112	400	3.64								

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



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Celez D. Kune

Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

August 07, 2012

AMBER CANNON Yates Energy Petroleum Corp 105 S 4th Street Artesia, NM 88210

RE: OLSEN MY #1 - DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/06/12 13:10.

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.

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.

Celing D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	08/06/2012	Sampling Date:	07/26/2012
Reported:	08/07/2012	Sampling Type:	Soil
Project Name:	OLSEN MY #1 - DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	30-015-23158	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM	:	

Sample ID: B - 6' BSL (H201821-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	08/06/2012	ND	416	104	400	3.92	

Sample ID: N-SW (SIDEWALL) (H201821-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	08/06/2012	ND	416	104	400	3.92	

Sample ID: S-SW (SIDEWALL) (H201821-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	08/06/2012	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any cla ted to the amount paid by client for analyses. All claims, including those for negligence and tort, shall be lim 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 incidential 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. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



Notes and Definitions

	Samples reported on an as received basis (wet) unless otherwise noted on report
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
***	Insufficient time to reach temperature.
**	Samples not received at proper temperature of 6°C or below.
RPD	Relative Percent Difference
ND	Analyte NOT DETECTED at or above the reporting limit

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 whiting and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall 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. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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		Yates Petroleum Corpo	oration													-			rojec	-							231				
	Company Address:	105 South 4th Street																Proj	ect L	.oc: ,	. 				Ed	dy C	Coun	.ty			
	City/State/Zip:	Artesia, NM 88210	<u>, </u>													_			P	C #:					1	03-2	2020	<u>i</u>			
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September 05, 2012

AMBER CANNON Yates Energy Petroleum Corp 105 S 4th Street

Artesia, NM 88210

RE: OLSEN MY #1 - DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/31/12 15:25.

Laboratories

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:

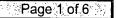
Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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.

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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September 28, 2012

AMBER CANNON Yates Energy Petroleum Corp 105 S 4th Street

Artesia, NM 88210

RE: OLSEN MY #1 - DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/24/12 11:50.

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.

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.

Celeg D. Kuna

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2012	Sampling Date:	09/21/2012
Reported:	09/28/2012	Sampling Type:	Soil
Project Name:	OLSEN MY #1 - DAYTON WATER LINE	Sampling Condition:	** (See Notes)
Project Number:	30-015-23158	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: N-SW 3' (H202320-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM				. <u>n</u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	09/28/2012	ND	400	100	400	3.92	

Sample ID: N-SW 4' (H202320-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	09/28/2012	ND	400	100	400	3.92	

Sample ID: W-SW 3' (H202320-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	09/28/2012	ND	400	100	400	3.92	

Sample ID: W-SW 4' (H202320-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	09/28/2012	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim artsing, 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 thiny (30) days after completion of the applicable service. In no event shall Cardinal be libble for incidential 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, negarilless of whether such claim is based into any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Liboratories.

Celey Di Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2012	Sampling Date:	09/21/2012
Reported:	09/28/2012	Sampling Type:	Soil
Project Name:	OLSEN MY #1 - DAYTON WATER LINE	Sampling Condition:	** (See Notes)
Project Number:	30-015-23158	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM	1	

Sample ID: E-SW 3' (H202320-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	09/28/2012	ND	400	100	400	3.92	

Sample ID: E-SW 4' (H202320-06)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM		•			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	09/28/2012	ND	400	100	400	3.92	

Cardinal Laboratories

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Celey & Kune

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5



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

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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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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(City/State/Zip:	Artesia, NM 8	8210																	PO)#:_					10	3-2	020				
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LAB # (lab use only)	FIE	LD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of. Containers	lce	HNQ3	HCI	H ₂ SO4	NaOH	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S≃Soit/Solid ND=Nm-Dristia Sneck Other	418.1	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkajinity)	SAR / ESP / CEC	Medis: As Ag od Cu Of FU	voiciuco Semivolatiles	STELL STRUE (5030 or BTEX	RCI	N.O.R.M.	Chlorides	SAR		Standard TAT
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October 22, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: OLSEN MY #1 - DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 10/18/12 14:14.

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.

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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.

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		Anal	ytical Resu	lts For:					
		AM 10! Art	es Energy Petr BER CANNON 5 S 4th Street esia NM, 88210 (To: (505)			- - - - - - - - - - - - - - - - - - -			
Received: Reported: Project Name: Project Number: Project Location:	30-015-	012 MY #1 - DAYTON	WATER LINE	Sai Sai	mpling Da mpling Ty mpling Co mple Rec	/pe:	-	2012 e Notes) D. Keene	
Sample ID: N-SW 5' (H20254	9-01)					:			
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5700	16.0	10/19/2012	ND	416	104	400	0.00	
Sample ID: W-SW 5' (H20254 Chloride, SM4500Cl-B	-	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	10/19/2012	ND	416	104	400	0.00	
Sample ID: W-SW 6' (H20254	9-03)								
Chloride, SM4500Cl-B	mg.	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	10/19/2012	ND	416	104	400	0.00	
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*=Accredited Analyte

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

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

*=Accredited Analyte

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Celey & Kune

Cardinal Laboratories

Celey D. Keene, Lab Director/Quality Manager

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	City/State/Zip:	Artesia, NM 88210						<u>.</u>				,						PO #	·:	10	3	· 20	52	0					
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HEDT



November 07, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: OLSEN MY #1 - DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 11/02/12 14:35.

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.

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.

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



hloride	4660	16.0	11/07/2012	ND	416	104	400	3.92	
Analyte	Result	Reporting Limit	Analyzed	Method Blar	nk BS	% Recovery	True Value QC	RPD	Qualifie
nloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM		·····		,	
ample ID: N-SW 6' (H20	02679-01)					1			
Project Location:	EDDY C	OUNTY, NM				1			
Project Number:	30-015-				Sample Reco	eived By:	Jodi He	inson	
Project Name:		MY #1 - DAYTON	WATER LINE		Sampling Co			e Notes)	
Reported:	11/07/2	012			Sampling Ty		Soil		
Received:	11/02/2	012			Sampling Da	ate:	11/02/2	2012	
		Fax	To: (505) 748-4635		ŧ			
			esia NM, 88210			1			
			5 S 4th Street			:			
			BER CANNON	r					
		Yat	es Energy Petr	oleum Corp					
		Allal	ytical Resul	ILS FOR:					

Sample ID: N-SW 7' (H202679-02) Chloride, SM4500Cl-B Analyzed By: HM mg/kg Reporting Limit Analyzed Method Blank True Value QC RPD Qualifier Analyte Result BS % Recovery 11000 16.0 11/07/2012 ND 416 104 400 3.92 Chloride

Sample ID: W-SW 7' (H202679-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM		:			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11400	16.0	11/07/2012	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



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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Celen D. Keine

Celey D. Keene, Lab Director/Quality Manager

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(Company Address: 105 South 4													Project Loc						c: Eddy County													
	City/State/Zip: Artesia, NM															PC) #:	103-20							20	20							
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November 28, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: OLSEN MY #1 - DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 11/26/12 15:25.

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.

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.

Celuz D. Keine

Celey D. Keene Lab Director/Quality Manager



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		Anal	ytical Resu	lts For:									
		AM 10 Art	tes Energy Petr IBER CANNON 5 S 4th Street Tesia NM, 88210 < To: (505)			- - - - - - - - - - - - - - - - - - -							
Received: Reported: Project Name: Project Number Project Location	r: 30-015		I WATER LINE	Sar Sar	npling Da npling Ty npling Co nple Rec	/pe:	11/19/2012 Soil ** (See Notes) Jodi Henson						
ample ID: N-SW	12' (H202840-01)												
hloride, SM4500Cl-B	m	g/kg	Analyze	d By: AP			··· •						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
hloride	1550	16.0	11/28/2012	ND	416	104	400	0.00					
ample ID: W-SW	12' (H202840-02)												
hloride, SM4500Cl-B	m	g/kg	Analyze	d By: AP									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
hloride	2960	16.0	11/28/2012	ND	416	104	400	0.00					
ample ID: W-SW hloride, SM4500Cl-B	22' (H202840-03) m	g/kg	Analyze	d By: AP									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
hloride	32.0	16.0	11/28/2012	ND	416	104	400	0.00					
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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 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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Celez D. Kune

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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AB # (lab use only)		D CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	⁻ield Filtered	Totat #. of Containers						°0		-1-	SL=Sludge	_	8	[ທີ	Cations (Ca, Mg, Na, K)	Anions (Cl. SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg S	Voiatiles	Semivolatiles	ETEX 80213/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAK	21.15H TAT (Pre-Schedule) 24,4	Standard TAT
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