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MARTIN YATES, III 1912-1985

FRANK W. YATES

5.P YATES



ARTESIA, NEW MEXICO 88210-2118

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December 19, 2012

Mr. Mike Bratcher Oil Conservation Division 811 S. First St. Artesia, NM 88210

RE: Dayton Water Line (Near Kent BSK #1H) 30-015-40161 Section 20, T18S-R26E Eddy County, New Mexico

RECEIVED JAN 09 2013 NMOCD ARTESIA

Mr. Bratcher,

Yates Petroleum Corporation would like to submit the enclosed documents for closure of the above captioned release. These documents are in response to the C-141 Initial report submitted 12/14/12.

The release was caused by a failed collar on a buried produced water line. A vacuum truck was dispatched to recover any standing fluid. The line was shut in for repairs and a back hoe used to excavate the contaminated area.

The total volume of produced water released was 120 bbls with 5 bbls of fluid recovered. An approximate area of 300' x 100' was impacted. The impacted area was scraped down to approximately 6" and all impacted soil was hauled to an NMOCD approved facility for disposal. Representative samples of the impacted area were taken at 1', 2', and 3'.

If there are no objections, Yates Petroleum Corporation will submit a C-141 Final for closure. If you have any questions please feel free to contact me at (575) 748-4350.

Thank You,

In Canand

Lupe Carrasco Environmental Regulatory Agent Yates Petroleum Corporation

Enclosure(s): Site,Drawing Analytical Summary Table Analytical Report (H202964)



JAN 09 2013

Dayton Water Line (Near Kent BSK #1H)

Analytical Report- H202964	Sample Date	Depth	BTEX	GRO	,DRO	TOTAL	Chlorides
S1	12/13/2012	1'	ND	ND	NÐ		960
S1	12/13/2012	2'	ND	ND	ND		256
S1 .	12/13/2012	3'	ND	ND	ND		480
S2	12/13/2012	1'	ND	ND	ND		416
S2	12/13/2012	2'	ND	ND	ND		224
S2	12/13/2012	3'	ND	ND	ND		512

Site Ranking is Zero (0). Depth to Ground Water >100' (125', Section 20, T18S-R26E, per NMOSE). All results are ppm.Chlorides for documentation.

Released: 120 B/PW Recovered: 5 B/PW. Release Date: 12/06/2012



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

December 17, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/10/12 15:15.

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.

Sincerely,

Celez D. Kune

Celey D. Keene Lab Director/Quality Manager

ſ	RECEIVED
	JAN 09 2013
	NMOCD ARTESIA



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

Received:	12/10/2012	Sampling Date:	12/07/2012
Reported:	12/17/2012	Sampling Type:	Soil
Project Name:	. DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S1 - 1' (H202964-01)

BTEX 8021B	mg,	/kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2012	ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/13/2012	ND	2.28	114	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/13/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/13/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/13/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIC 115 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/14/2012	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	

Surrogate: 1-Chlorooctane87.6 %65.2-140Surrogate: 1-Chlorooctadecane99.6 %63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/10/2012	Sampling Date:	12/07/2012
Reported:	12/17/2012	Sampling Type:	Soil
Project Name:	DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S1 - 2' (H202964-02)

BTEX 8021B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2012	· ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/13/2012	ND	2.28	114	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/13/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/13/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/13/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL 115 % 89.4-126

mg,	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
256	16.0	12/14/2012	ND	416	104	400	3.92	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	. Qualifier
<10.0	10.0	12/12/2012	ND	176	87.8	200	4.15	
<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	
	Result 256 mg, Result <10.0	256 16.0 mg/kg Result Reporting Limit <10.0 10.0	Result Reporting Limit Analyzed 256 16.0 12/14/2012 mg/kg Analyzed Result Reporting Limit Analyzed 10.0 10.0 12/12/2012	Result Reporting Limit Analyzed Method Blank 256 16.0 12/14/2012 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank BS 256 16.0 12/14/2012 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 256 16.0 12/14/2012 ND 416 104 mg/kg Analyzed By: MS Method Blank BS % Recovery Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 256 16.0 12/14/2012 ND 416 104 400 mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC Analyzed By: MS Method Blank BS % Recovery True Value QC Analyzed Method Blank BS % Recovery True Value QC 10.0 12/12/2012 ND 176 87.8 200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 256 16.0 12/14/2012 ND 416 104 400 3.92 mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD Analyzed By: MS Method Blank BS % Recovery True Value QC RPD Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

 Surrogate:
 1-Chlorooctane
 82.8 %
 65.2-140

 Surrogate:
 1-Chlorooctadecane
 93.3 %
 63.6-154

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/10/2012	Sampling Date:	12/07/2012
Reported:	12/17/2012	Sampling Type:	Soil
Project Name:	DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S1 - 3' (H202964-03)

BTEX 8021B	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	12/13/2012	ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/13/2012	ND	2.28	114	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/13/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/13/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/13/2012	ND					

Surrogate: 4-Bromofluorobenzene	(PIL	115 %	89.4-126
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mg,	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
480	16.0	12/14/2012	ND	416	104	400	3.92	
mg,	/kg	Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	12/12/2012	ND	176	87.8	200	4.15	
<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	
	Result 480 mg, Result <10.0	480 16.0 mg/kg Result Reporting Limit <10.0	Result Reporting Limit Analyzed 480 16.0 12/14/2012 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 480 16.0 12/14/2012 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank BS 480 16.0 12/14/2012 ND 416 mg/kg Analyzed By: MS Method Blank BS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 480 16.0 12/14/2012 ND 416 104 mg/kg Analyzed By: MS Method Blank BS % Recovery Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 480 16.0 12/14/2012 ND 416 104 400 mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC 10.0 10.0 12/12/2012 ND 176 87.8 200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 480 16.0 12/14/2012 ND 416 104 400 3.92 mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD Analyzed By: MS Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

 Surrogate:
 1-Chlorooctane
 76.0 %
 65.2-140

 Surrogate:
 1-Chlorooctadecane
 86.4 %
 63.6-154

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Celez Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/10/2012	Sampling Date:	12/07/2012
Reported:	12/17/2012	Sampling Type:	Soil
Project Name:	DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S2 - 1' (H202964-04)

BTEX 8021B	mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2012	ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/14/2012	ND	2.28	114	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/14/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/14/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/14/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL 115 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/14/2012	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	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	
·									

Surrogate: 1-Chlorooctane81.1 %65.2-140Surrogate: 1-Chlorooctadecane88.5 %63.6-154

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/10/2012	Sampling Date:	12/07/2012
Reported:	12/17/2012	Sampling Type:	Soil
Project Name:	DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S2 - 2' (H202964-05)

PD Qualifier
2.6
9
2.2
2.8
9 2.2

	Surrogate:	4-Bromofluorobenze	ne (PIC	115 %	89.4-126
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Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/14/2012	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	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	

Surrogate: 1-Chlorooctane90.6 %65.2-140Surrogate: 1-Chlorooctadecane102 %63.6-154

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Celeg D Kere

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/10/2012	Sampling Date:	12/07/2012
Reported:	12/17/2012	Sampling Type:	Soil
Project Name:	DAYTON WATER LINE	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S2 - 3' (H202964-06)

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	12/14/2012	ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/14/2012	ND	2.28	114	2.00	11.9	÷
Ethylbenzene*	<0.050	0.050	12/14/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/14/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/14/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL	115 %	89.4-126
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mg,	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
512	16.0	12/14/2012	ND	416	104	400	3.92	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	12/12/2012	ND	176	87.8	200	4.15	
<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	
	Result 512 mg, Result <10.0	512 16.0 mg/kg Result Reporting Limit <10.0 10.0	Result Reporting Limit Analyzed 512 16.0 12/14/2012 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 512 16.0 12/14/2012 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank BS 512 16.0 12/14/2012 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 512 16.0 12/14/2012 ND 416 104 mg/kg Analyzed By: MS Method Blank BS % Recovery Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 512 16.0 12/14/2012 ND 416 104 400 mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC Analyzed By: MS Method Blank BS % Recovery True Value QC Analyzed Method Blank BS % Recovery True Value QC 10.0 12/12/2012 ND 176 87.8 200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 512 16.0 12/14/2012 ND 416 104 400 3.92 mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD Result Reporting Limit Analyzed By: MS 416 104 400 3.92 Analyzed By: MS Method Blank BS % Recovery True Value QC RPD <10.0

 Surrogate: 1-Chlorooctane
 75.6 %
 65.2-140

 Surrogate: 1-Chlorooctadecane
 83.1 %
 63.6-154

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*=Accredited Analyte

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Celez Kere

Celey D. Keene, Lab Director/Quality Manager



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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 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

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 9

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

	101 East Marla	BORATORIES and, Hobbs, NM 88240	 		(505) 393-2326	5 FAX (505) 3	893-2	476	•.										•	· ·												
	Project Manager:	Lupe Carrasco					<u> </u>	<u></u>									Proje	ect Ñ	ame	:		Day	ton	Wat	er Li	ne	Hw	/ 28	5)			
	Comp: (505) 393-232	E Yates Petroleum Corporat	ion	· .			.									Project #:																
	Company Address: 105 South 4th Street				· · · · ·		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					Projec					Loc	.oc:														
City/State/Zip: Artesia, NM 88210						· ·.	· · · · · · · · · · · · · · · · · · ·											PO #	: 103-163													
	Telephone No: 575-748-4350					Fax No:										Report Format:					× Standard TRR					RP						
Sampler Signature:						e-mail: <u>lcar</u>			arra	asco@yatespetroleun						<u>im.c</u>	<u>n.com</u>					Analyze For:										
(lab use c																				and the second second	CLP:	An	alyze	For:		Γ	П	Т	- 3			
ORDER	#: HOOR9	1049							F	rese	vation	1:& #	of Ca	ntaine	rs.	Mat	rix	10 15		·] ·	TAL:	g Se		260					24, 48, 72 hrs	L		
			-	 												SL=Sludge S=Soil/Solid	ý Other	2W		(juity)		Cr Pb Hç		атЕX 8.				-				
B # (lab use only)			Beginning Depth	Ending Depth	Date Sampled	Time Sampled		Field Filtered Total #. of Containers		40,	HCI	SO.	NaOH Na.S.O.	None	Other (Specify)	DW=Drinking Water SL= GW = Groundwater S≖St	n-Potable S	H: 418.1 8015M	Centors (Ca Mr Na K)	ons (CI, SO4, Alka	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	atiles	Sernivolatiles	RCI	D.R.M.	Chlarides	R	ISH TAT (Pre-Sch	Standard TAT		
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