MARTIN YATES, 111 1912-1985

FRANK W. YATES

5.P. YATES



ARTESIA, NEW MEXICO BB210-2118 TELEPHONE (575) 748-1471 www.yatespetroleum.com

October 18, 2013

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

Re: Lucy ALC State #7 30-015-32003 Section 34, T21S-R31E Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on June 28, 2013 (2RP-1712). On October 16, 2013 Yates had a contractor excavate 4' from the release area and dispose of the impacted soils and a NMOCD approved disposal facility. Yates then had the contractor backfill the excavation with clean-like soils. Please find attached a site diagram (not to scale) and analytical reports. Yates Petroleum Corporation requests closure based on sample delineation, excavation and prior approval by OCD personal of work proposal.

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

Thank you.

YATES PETROLEUM CORPORATION

Amber Cannon Environmental Regulatory Agent

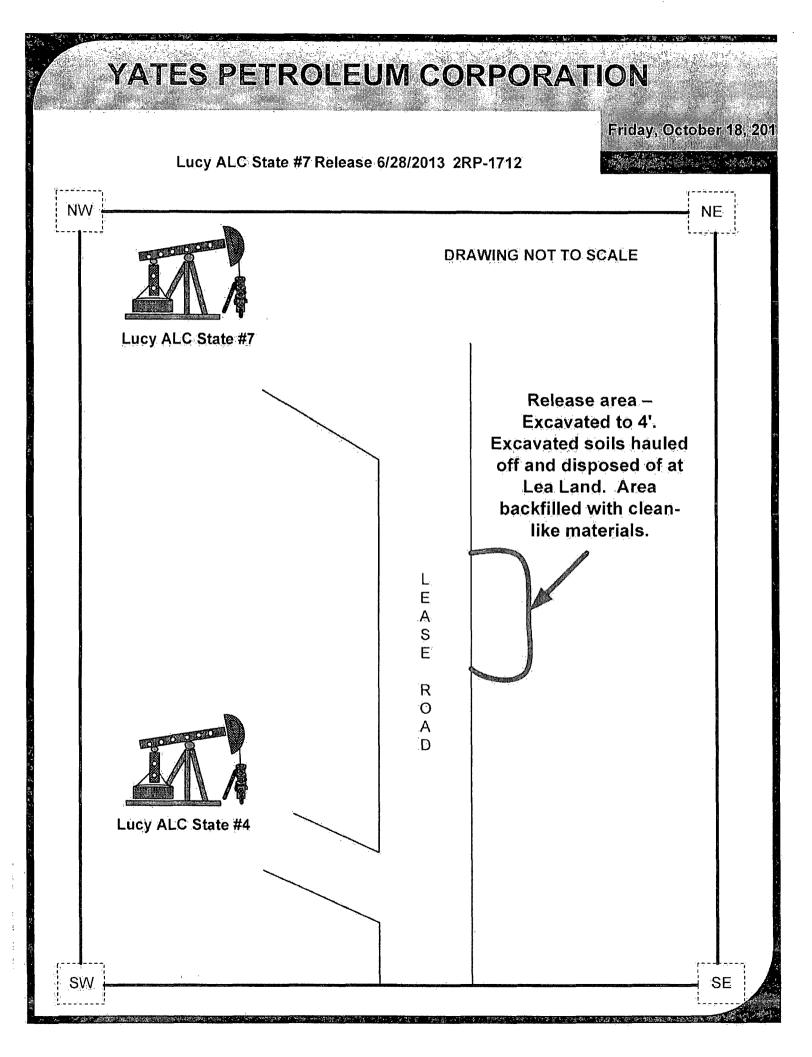
/anc Enclosure(s) JOHN A. YATES CHAIRMAN EMERITUS

JOHN A. YATES JR. CHAIRMAN OF THE BOARD PRESIDENT

JOHN D. PERINI EXECUTIVE VICE PRESIDENT CHIEF FINANCIAL OFFICER

JAMES S. BROWN CHIEF OPERATING OFFICER

RECEIVED OCT 18.2013 NMOCD ARTESIA





July 11, 2013

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

RE: LUCY ALC STATE #7

Enclosed are the results of analyses for samples received by the laboratory on 07/03/13 9:30.

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/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.

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,

Celleg D. Keine

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:	07/03/2013	Sampling Date:	07/02/2013
Reported:	07/11/2013	Sampling Type:	Soil
Project Name:	LUCY ALC STATE #7	Sampling Condition:	Cool & Intact
Project Number;	30-015-32003	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

### Sample ID: L1 (H301571-01)

BTEX 8021B	mg/	kg	Analyze	d By: DW					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	'% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2013	ND	2.51	126	2.00	7.67	
Toluene*	0.423	0.050	07/10/2013	ND	2.43	122	2.00	8.28	
Ethylbenzene*	1.24	0.050	07/10/2013	ND	2.50	125	2.00	9.23	
Total Xylenes*:	5.26	0.150	07/10/2013	ND	7.47	124	6.00	8.81	
Total BTEX	6.92	0.300	07/10/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL)	250%	6 89.4-12	6						~~~
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	140	50.0	07/09/2013	ND	201	100	200	2.08	
DRO >C10-C28	971	50.0	07/09/2013	ND	212	106	200	5.52	
Surrogate: 1-Chlorooctane	107 %	6 65.2-14	)						
Surrogate: 1-Chlorooctadecâne	110%	63.6-15;	4						

# Cardinal Laboratories

#### \*=Accredited Analyte

PLENE NOTE: Likeling and Damages. Cardinal's liability and client's enclusive remedy for any claim anising, whether based in contract or ton, shall be limited to the amount baid by client for analyses." All tilains, including those for negligence and any offer cause whether based in the implicable gendes. In 'no' event that analyses." All tilains, including those for negligence and any offer cause whatsoever shall be deemed walves under and under a consequential damages. "Richards, white implication belongs intermutants, loss of use or hose of profile incursed by client, its subidiaries, affiliates or successors artifing out of or related to the reprint of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Person related only of the termines the claim of services in the amount of the analyses."

Celeg De Kune

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:	07/03/2013	Sampling Date:	07/02/2013
Reported:	07/11/2013	Sampling Type:	Soll
Project Name:	LUCÝ ALC STATE #7	Sampling Condition:	Cool & Intact
Project Number:	30-015-32003	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

#### Sample ID: L2 (H301571-02)

BTEX 8021B	mg/	kg	Ánalyze	d By: DW					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2013	ND	2.51	126	2.00	7.67	
Toluene*	0.150	0.050	07/09/2013	ND	2.43	122	2.00	8.28	
Ethylbenzene*	0.248	0.050	07/09/2013	ND	2,50	125	2.00	9.23	
Total Xylenes*	1,05	0.150	07/09/2013	ND	7.47	124	6.00	8.81	
Total BTEX	1.45	0.300	07/09/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	133 %	6 89.4-1.2	6	4.4					
TPH 8015M	mg/l	(g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.7	10.0	07/09/2013	ND	201	100	200	2.08	
DRO >C10-C28	238	10.0	07/09/2013	ND	212	106	200	5,52	
Surrogäte: 1-Chlorooctane	97.9 %	6 65.2-14	0						
Surrogate: 1:Chlorooctadecane	98.2 %	63:6-15	4						

#### Cardinal Laboratories

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PLEASE NOTE: Libits; and Damages. Contrart's labelity and client's enclusive remegy for any datim ansing; 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 offer cause what be deemed waived unless made in writing and received by cleant within driviny (30) days after "completion of the applicable Service. In no event shall Cardinal be label for incidental or consequential damages, including, without limitation, business internations; loss of use, or loss of use, or loss of use, or loss of use, or loss of whether such riskin labels don't any of the above stated leastors or observice. Results related why to be sample to find lead whether such riskin labels don't any of the above stated leastors or observice. Results related why to be sample to be completed whether be remoted even in flat with written approval of Cardinal tablescances.

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Céley D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

5-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CL-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

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Celey Di Keine

Celey D. Keene, Lab Director/Quality Manager

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July 11, 2013

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

RE: LUCY ALC STATE #7

Enclosed are the results of analyses for samples received by the laboratory on 07/03/13 9:30.

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Sincerely,

Celeg Di Kene

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:	07/03/2013	Sampling Date:	07/02/2013
Reported:	07/11/2013	Sampling Type:	Soil
Project Name:	LUCY ALC STATE #7	Sampling Condition:	Cool & Intact
Project Number:	30-015-32003	Sample Received By:	Jodj Henson
Project Location:	EDDY COUNTY		

# Sample ID: L1 (H301571-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank-	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	07/09/2013	ND.	416	104	400	0.00	

# Sample ID: L2 (H301571-02)

Chloride, SM4500CI-B	mģ	/kg	Analyze	d By: AP		- <u></u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	07/09/2013	ND	416	104	400	0.00	

#### Cardinal Laboratories

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PLEASE NOTE: Liability and Damages. Calciuma's liability and clent's exclusive remedy for any claim anising; whether, based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including trose for/ negligence and any other rause whatsoever, shall be deemed waited clinies made in writing and received by Cardinal, within thiny (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 subsidiantes, affiliates or successors atising out of or related to the performance of the services hereinder by Cardinal, regardless of whether suchclaim is based cost any of de giving stated reasons proteinings. Reside relate only to the samples identified above. This report shall for the reinduced except in M. with written approval of Cardinal Laboratories.

Celey Z. 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 SM4500CLB 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 De Keine

Celey D. Keene, Lab Director/Quality Manager

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October 10, 2013

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

RE: LUCY ALC STATE #7

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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Sincerely,

Celey D. Kune

Celey D. Keene Lab Director/Quality Manager

Page 1 of 4



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Received:	10/07/2013	Sampling Date:	10/02/2013
Reported:	10/10/2013	Sampling Type:	Soil
Project Name:	LUCY ALC STATE #7	Sampling Condition:	** (See Notes)
Project Number:	30-015-32003	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

# Sample ID: L 3 (H302422-01)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11300	16.0	10/08/2013	ND	400	100	400	3.92	

#### Sample ID: L 4 (H302422-02)

Chloride, SM4500Cl-8	mg,	/kg	Analyze	d By: AP					······
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC <sup>1</sup>	RPD	Qualifier
Chloride	1700	16.0	10/08/2013	ND	400	100	400	3,92	

#### Sample ID: L 5 (H302422-03)

Chioride, SM4500Cl-B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzèd	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/08/2013	ND	400	100	400	3.92	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: . Usbalary and Damages: Cardina's liability and charty exchange remeay for any claim ansing, whether based in contract or tort, aball be limited to the amount paid by client for analyses. All claims, including those for negligence and any other couse whatsoeier shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after congletion 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 use, or loss of use, or loss of use or whether by client, its subsidiaries, affiliates or successors and not of or related to the performance of the services hereunder by Cardinal, regardless of whether Buchclaim is based upon any of the above stated reasons or otherwise. Results relate only to the sample's laboring data or in whether Buchclaim is based upon any of the above stated reasons or otherwise. Results relate only to the service and any of the above stated reasons or otherwise.

Celey & Keine

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

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\*=Accredited Analyte

PLEASE NOTE: Libbley and Damages. Control's labelity and identity exclusive remedy for any days antegrises, whether based in convact or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any object cause interview of the suplicable service. In no event shall cardnal be liable to indential of consecuential damages, including, without finitistor, 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 chain is based and be determined any of the above stated reasons or streams or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such chain is based in high with written approval of Cardinal caboratories.

Celez & Kune

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

	and, Hobbs, NM 8	, -			(505) 393-2326 F	FAX (505) 393-	2476				•. •			• •									,					le 4 of	l
Project Manager:	Amber Cannon	·														Proje	ect.h	lame	»: <u> </u>			<u>Lu</u>	icy.	ALC	Sta	te #/	7	Page	<u> </u>
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# Bratcher, Mike, EMNRD

From:	Amber Cannon <acannon@yatespetroleum.com></acannon@yatespetroleum.com>
Sent:	Friday, October 18, 2013 2:00 PM
То:	Bratcher, Mike, EMNRD
Subject:	RE: Lucy ALC State #7 (2RP-1712)
Attachments:	LucyALCState7_C141_06-28-13 Final.pdf

Mike,

Please find attached a Final C-141, analytical results and diagram for the Lucy ALC State #7 (2RP-1712) release.

Thanks, Amber

From: Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us] Sent: Tuesday, October 15, 2013 8:23 AM To: Amber Cannon Subject: RE: Lucy ALC State #7 (2RP-1712)

Amber,

Your proposal is approved. Please proceed on your schedule.

Thank you,

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857 F: 575-748-9720

From: Amber Cannon [mailto:ACannon@yatespetroleum.com]
Sent: Friday, October 11, 2013 9:39 AM
To: Bratcher, Mike, EMNRD
Subject: Lucy ALC State #7 (2RP-1712)

Mike,

Please see below for a summary of analytical results for the release that occurred at the Lucy ALC State #7 (2RP-1712). Yates proposes to excavate to 4' due to increased chloride levels. Once excavation has been completed, Yates will backfill and submit a Final C-141 to your office. Please let me know if you are okay with this proposed work.

# Lucy ALC State #7

Analytical Report- H301571 & Samp H302422 Area	ole Sample Date Sample	Type Depth BT	TEX GRO DI	RO TOTAL CH
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L1	Release area	7/2/2013	Comp/Auger	1'	6.92	140	971	1111	
L2	Release area	7/2/2013	Comp/Auger	2'	1.45	10.7	238	248.7	
L3	Release area	10/2/2013	Grab/Backhoe	3'	NA	NA	NA	NA	<u> </u>
L4	Release area	10/2/2013	Grab/Backhoe	4'	NA	NA	NA	NA	
L5	Release area	10/2/2013	Grab/Backhoe	5'	NA	NA	NA	NA	

Site Ranking is ZERO (0). Depth to Ground Water >100' (approx. 125', Section 34-21S-31E, per Chevron Trend Map).

All results are ppm.Chlorides for documentation.

Released: 1 B/PW, 5 B/O; Recovered: 0 B/PW, 0 B/O. Release Date: 6/28/2013. 2RP-1712

Thanks,

# **Amber Cannon**

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

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