

MARTIN YATES, III  
1912-1985  
FRANK W. YATES  
1936-1986  
S.P. YATES  
1914-2008

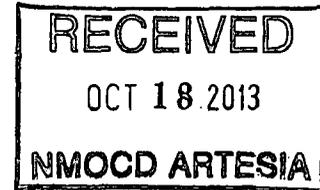


105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (575) 748-1471  
www.yatespetroleum.com

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

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)

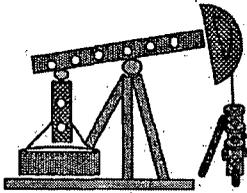
# YATES PETROLEUM CORPORATION

Friday, October 18, 201

Lucy ALC State #7 Release 6/28/2013 2RP-1712

NW

NE

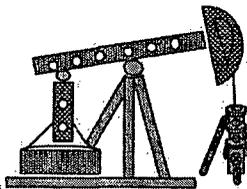


Lucy ALC State #7

DRAWING NOT TO SCALE

Release area –  
Excavated to 4'.  
Excavated soils hauled  
off and disposed of at  
Lea Land. Area  
backfilled with clean-  
like materials.

L  
E  
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S  
E  
  
R  
O  
A  
D



Lucy ALC State #4

SW

SE



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

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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.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/03/2013  
 Reported: 07/11/2013  
 Project Name: LUCY ALC STATE #7  
 Project Number: 30-015-32003  
 Project Location: EDDY COUNTY

 Sampling Date: 07/02/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Judi Henson

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

BTEX 8021B	mg/kg		Analyzed By: DW				S-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	
<b>Total BTEX</b>	<b>6.92</b>	<b>0.300</b>	<b>07/10/2013</b>	<b>ND</b>					

Surrogate: 4-Bromofluorobenzene (P11) 250% 89.4-126

TPH 8015M	mg/kg		Analyzed 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% 65.2-140

Surrogate: 1-Chlorooctadecane 110% 63.6-154

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 D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/03/2013  
 Reported: 07/11/2013  
 Project Name: LUCY ALC STATE #7  
 Project Number: 30-015-32003  
 Project Location: EDDY COUNTY

 Sampling Date: 07/02/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

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

BTEX 8021B		mg/kg		Analyzed By: DW				S-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 (PID) 133% 89.4-126

TPH 8015M		mg/kg		Analyzed 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		

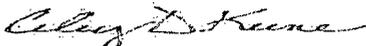
Surrogate: 1-Chlorooctane 97.9% 65.2-140

Surrogate: 1-Chlorooctadecane 98.2% 63.6-154

Cardinal Laboratories:

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

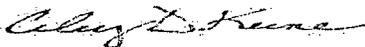
- S:04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time 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:

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**Cardinal Laboratories**

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

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.

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](http://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.

Sincerely,

A handwritten signature in cursive script that reads 'Celey D. Keene'.

Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

 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:	Jody Henson
Project Location:	EDDY COUNTY		

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

Chloride, SM4500Cl-B	mg/kg	Analyzed 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, SM4500Cl-B	mg/kg	Analyzed By: AP							
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

\*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

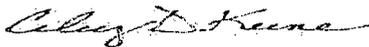
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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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 [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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Method EPA 552.2	Halocetic 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,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	10/07/2013	Sampling Date:	10/02/2013
Reported:	10/10/2013	Sampling Type:	Soil
Project Name:	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		Analyzed 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-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1700	16.0	10/08/2013	ND	400	100	400	3.92		

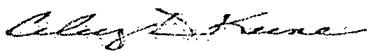
**Sample ID: L 5 (H302422-03)**

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

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\*= Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

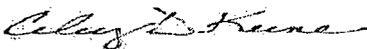
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference.
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C.  
Samples reported on an as received basis (wet) unless otherwise noted on report.

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Celey D. Keene, Lab Director/Quality Manager



## Bratcher, Mike, EMNRD

---

**From:** Amber Cannon <ACannon@yatespetroleum.com>  
**Sent:** Friday, October 18, 2013 2:00 PM  
**To:** 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 & H302422	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Ct
--------------------------------------	-------------	-------------	-------------	-------	------	-----	-----	-------	----

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
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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