



**EOG Resources, Inc.**  
Artesia Division Office  
104 S. 4<sup>th</sup> Street  
Artesia, N. M. 88210

July 29, 2022

Bradford Billings  
EMNRD  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Laney AGJ Federal Com #1  
30-015-26091  
K-11-18S-24E  
Eddy County, NM  
2RP-534  
Incident # nMLB1014041598

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site which currently has open incident on the NMOCD E-Permitting website. The report is being submitted in reference to the release notification submitted on May 19, 2010, and the C-141 Final dated January 26, 2011. This open incident appears to be an additional incident entry for 2RP-534, which is officially closed in E-Permitting with Incident # nKMW1035742614. EOG Resources, Inc. has included a C-141 Final with the most current form in this Closure Report, and hereby requests closure of the open incident.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

*Chase Settle*

Chase Settle  
Rep Safety & Environmental Sr  
EOG Resources, Inc.

Laney AGJ Federal Com #1  
Closure Report  
#nMLB1014041598

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July 29, 2022

**Laney AGJ Federal Com #1**

**Closure Report**

**30-015-26091**

**K-11-18S-24E**

**Eddy County, NM**

**July 29, 2022**

**nMLB1014041598**

Laney AGJ Federal Com #1  
Closure Report  
#nMLB1014041598



July 29, 2022

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Appendix C: Current C-141 Closure Request

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Laney AGJ Federal Com #1  
Closure Report  
#nMLB1014041598



July 29, 2022

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**I. Location**

The site is located in Eddy County, New Mexico approximately 8.75 miles west southwest of Atoka.

**II. Background**

On May 19, 2010, Yates Petroleum Corporation (YPC) discovered a release at the Laney AGJ Federal Com #1. Due to the estimated volume released, a Major Release notification was submitted to NMOCD through phone and email that same day (Appendix A). The initial volume reported in the notification email was estimated to be 112 barrels of condensate. On the NMOCD E-Permitting page for Incident nMLB1014041598, it states in the Details section "release notification- C-141 due 6/3/10. Release due to bottom rotting out of storage tank". The entry date for the details is May 20, 2010, the day after the release notification was submitted through email. A view of the E-Permitting page is included as Appendix B. However, when the C-141 Initial was submitted on May 25, 2010, the volume release had been corrected to 128 barrels oil and 5 barrels produced water. For unknown reasons, the incident that had been created from the release notification email was not updated, and a new incident (nKMW1035742614) was created with the corrected volumes, but the first incident was not canceled or closed.

**III. Scope of Work Completed**

Impacted soil was excavated and hauled to a NMOCD approved disposal facility with analytical results confirming the removal of impacted soil above the NMOCD required thresholds. NMOCD provided approval for backfill activities and granted closure of the remediation on January 20, 2011. Details for this remediation work are included as Appendix D.

**IV. Closure Request**

The release received closure from NMOCD on January 26, 2011, when the C-141 Final was signed and approved by Mike Bratcher. However, during a review of the open incidents on the NMOCD E-Permitting website, it was discovered that the duplicated incident which had been created based on the release notification email remained open.

Based on the already approved closure of the release, and this incident being a duplicate for the same release, EOG is submitting nMLB1014041598 with the current C-141 Closure Form as Appendix C to officially close the open duplicate incident.

Laney AGJ Federal Com #1  
Closure Report  
#nMLB1014041598

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July 29, 2022

# Appendix A

## Release Notification Email

**Bob Asher**

**From:** Bob Asher  
**Sent:** Wednesday, May 19, 2010 1:59 PM  
**To:** '(mike.bratcher@state.nm.us)'  
**Cc:** Jerry Fanning  
**Subject:** Release (Laney AGJ Federal Com. #1)

Yates Petroleum Corporation is reporting a release at the following location.

Laney AGJ Federal Com. #1  
30-015-26091  
Section 11, T18S-R24E  
Eddy County, New Mexico.

Release from a tank bottom failure, approximately 112 B/C were released, 0 B/C recovered.

An Initial C-141 will be submitted with complete information.

Thank you.

**Robert Asher**

**Yates Petroleum Corporation**

**boba@yatespetroleum.com**

**575-748-4217 (Office)**

**575-365-4021 (Cell)**

**575-748-4662 (Fax)**

5/19/2010

Released to Imaging: 2/27/2023 11:21:49 AM

Laney AGJ Federal Com #1  
Closure Report  
#nMLB1014041598

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July 29, 2022

# Appendix B

## NMOCD E-Permitting Page

OCD Permitting

Home    Searches    Incidents    Incident Details

NMLB1014041598 2010 MAJOR A SPL @ 30-015-26091

General Incident Information

Site Name:

Well: [30-015-26091] LANEY AGJ FED. COM #001

Facility:

Operator: [328565] BAM Permian Operating, LLC

Status: Closure Not Approved

Type: Release Other

District: Artesia

Severity: Major

Surface Owner: Private

County: Eddy (15)

Incident Location: F-11-18S-24E    1980 FNL    1980 FWL

Lat/Long: 32.7648849,-104.5612106 NAD83

Directions:

Notes

Source of Referral: Industry Rep

Action / Escalation:

Resulted In Fire: ☐

Will or Has Reached Watercourse: ☐

Endangered Public Health: ☐

Property Or Environmental Damage: ☐

Fresh Water Contamination: ☐

Contact Details

Contact Name:

Contact Title:

Event Dates

Date of Discovery: 05/19/2010

Extension Date: 11/15/2018

Initial C-141 Received:

Characterization Report Received:

Remediation Plan Received:

OCD Notified of Release:

Cancelled Date:

Characterization Report Approved:

Remediation Plan Approved:

Remediation Due:

Closure Report Approved:

Closure Report Received:

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Quick Links

- [General Incident Information](#)
- [Materials](#)
- [Events](#)
- [Orders](#)

Associated Images

- Incident Files (0)
- [Well Files \(28\)](#)

New Searches

- [New Facility Search](#) ↗
- [New Incident Search](#) ↗
- [New Operator Search](#) ↗
- [New Pit Search](#) ↗
- [New Spill Search](#) ↗
- [New Tank Search](#) ↗
- [New Well Search](#) ↗



			Unk.	Released	Recovered	Lost	
Corrosion	Production Tank	Condensate	<input type="checkbox"/>	112	0	112	BBL

Incident Events

Date	Detail
05/20/2010	Release notification - C-141 due 6/3/10. Release due to bottom rotting out of storage tank

Orders

No Orders Found

Laney AGJ Federal Com #1  
Closure Report  
#nMLB1014041598

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July 29, 2022

# Appendix C

## Current C-141 Closure Request

Incident ID	nMLB1014041598
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 07/29/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: OCD Date: 7/31/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Ashley Maxwell Date: 2/27/2023  
Printed Name: Ashley Maxwell Title: Environmental Specialist

Laney AGJ Federal Com #1  
Closure Report  
#nMLB1014041598

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July 29, 2022

# Appendix D

## nKMW1035742614 Documents

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Bruzos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

in KMW 1035742614

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 <sup>TH</sup> Street	Telephone No. 575-748-1471	
Facility Name Laney AGJ Federal Com. #1	API Number 30-015-26091	Facility Type Battery
Surface Owner Fee	Mineral Owner Federal	Lease No. NM-18481

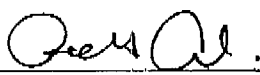
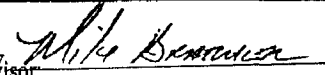
#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	11	18S	24E	1980	South	1980	West	Eddy

Latitude 32.74642 Longitude 104.54369

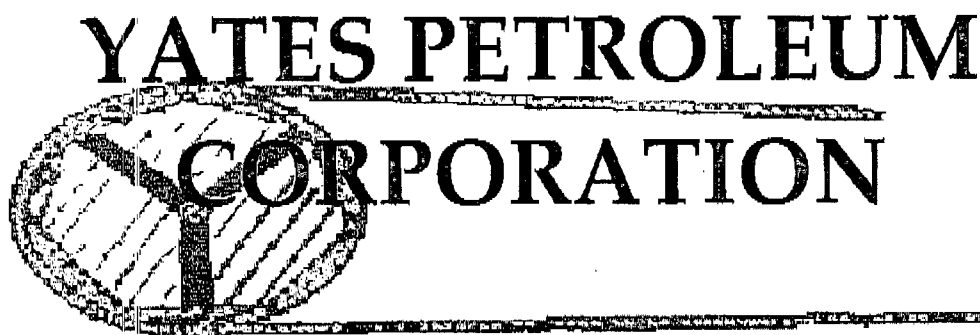
#### NATURE OF RELEASE

Type of Release Oil & Produced Water	Volume of Release 128 B/O & 5 B/PW	Volume Recovered 0 B/O & 0 B/PW
Source of Release Production tank	Date and Hour of Occurrence 5/19/2010, AM	Date and Hour of Discovery 5/19/2010, AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD Artesia	
By Whom? Robert Asher/YPC Environmental	Date and Hour 5/19/2010, PM (voicemail & e-mail)	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Hole in bottom of production tank.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 15' X 15'. No oil or produced water to recover. Production tank to be pulled and vertical/horizontal delineation to determine extent of impacted soils. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX. If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approx. 350', Section 11, T18S-R24E, per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Robert Asher	Signed By:  Approved by District Supervisor:	
Title: Environmental Regulatory Agent	Approval Date: 5/11/11	Expiration Date:
E-mail Address: boba@yatespetroleum.com	Conditions of Approval: REMEDATION per OCD Rules and Guidelines. SUBMIT REMEDIATION PROPOSAL BY: 2/11/11	Attached <input type="checkbox"/>
Date: Tuesday, May 25, 2010	Phone: 575-748-4217	

\* Attach Additional Sheets If Necessary

2RP 534



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**FACSIMILE TRANSMITTAL SHEET**

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TO:	FROM:
Mike Bratther	Robert Asher
FAX NUMBER:	DATE:
9-748-9720	Tuesday, May 25, 2010
COMPANY:	TOTAL NO. OF PAGES INCLUDING COVER:
NMOCD	2
RE:	NOTES/COMMENTS:
C-141; Laney AGJ Federal Com. #1	Initial Report (5/19/2010 Release)

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☐ URGENT    ☒ FOR REVIEW    ☐ PLEASE COMMENT    ☐ PLEASE REPLY    ☐ PLEASE RECYCLE

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**ADDITIONAL NOTES & COMMENTS:**

Call me if you have any questions, 575-748-4217.

Thank you.

Robert Asher

Environmental Regulatory Department

105 SOUTH FOURTH STREET • ARTESIA, NEW MEXICO 88210-2118  
PHONE: 575-748-4217 (DIRECT) • FAX: 575-748-4662

**Bratcher, Mike, EMNRD**

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**From:** Bob Asher [BobA@yatespetroleum.com]  
**Sent:** Friday, January 07, 2011 8:48 AM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Jerry Fanning  
**Subject:** Sampling (Laney AGJ Federal Com. #1)

Mike,

I will be sampling at the following location on Tuesday, January 11, 2011 at 9:30 AM.

Laney AGJ Federal Com. #1  
30-015-26091  
Section 11, T18S-R24E  
Eddy County, New Mexico

Thank you.

**Robert Asher**  
**Yates Petroleum Corporation**  
**Office: (575) 748-4217**  
**Cell: (575) 365-4021**  
**Fax: (575) 748-4662**  
**boba@yatespetroleum.com**

Administrative/Environmental Order



# AE Order Number Banner

## Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



**App Number:** pKMW1035742839

**2RP - 534**

**YATES PETROLEUM CORPORATION**

12/23/2010



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

JOHN A. YATES  
CHAIRMAN OF THE BOARD

JOHN A. YATES JR.  
PRESIDENT

SCOTT M. YATES  
VICE PRESIDENT

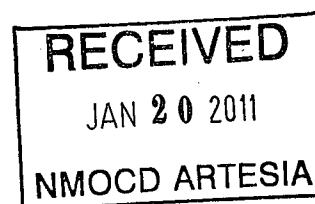
JAMES S. BROWN  
CHIEF OPERATING OFFICER

JOHN D. PERINI  
CHIEF FINANCIAL OFFICER

January 20, 2011

Mr. Mike Bratcher  
NMOCD District II  
1301 West Grand  
Artesia, NM 88210

Re: Laney AGJ Federal Com. #1  
2RP-534  
30-015-26091  
Section 11, T18S-R24E  
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 May 19, 2010 (128 B/C & 5 B/PW was released with 0 B/C & 0 B/PW recovered). A C-141 Initial Report was submitted to your office on 5/25/2010. Initial samples were taken on 26/10/2010 and were above limits (TPH <5000 ppm & BTEX <50 PPM, chlorides for documentation) for the site ranking of 0. A work plan was mailed to your office on August 2, 2010 and because of contractor availability excavation work began September 17, 2010. The impacted soils were excavated to a depth of ten (10) feet and taken to an NMOCD approved facility. Vertical and horizontal delineation samples were taken on 9/29/2010 and sent to an OCD approved laboratory and were still above limits (TPH <5000 ppm & BTEX <50 PPM). Impacted soils were excavated and hauled to an NMOCD approved facility. Additional delineation samples were taken on 11/8/2010 from the north sidewall and the tank bottom and sent to an NMOCD approved laboratory and the tank bottom results were still above limits (TPH <5000 ppm & BTEX <50 PPM), impacted soils were excavated and hauled to an NMOCD approved facility. Samples were taken on 12/7/2010 and sent to an NMOCD approved laboratory, the tank bottom results were below limits but the east side wall results were still above limits (TPH <5000 ppm & BTEX <50 PPM), impacted soils from the east side wall were excavated and hauled to an NMOCD approved facility. Samples were taken on 12/28/2010 and sent to an NMOCD approved laboratory and the east side wall results were below limits (TPH <5000 ppm & BTEX <50 PPM). The NMOCD was notified of sampling at the location on 1/11/2011 and sent to an NMOCD approved laboratory with all results being below limits (TPH <5000 ppm & BTEX <50 PPM). Enclosed are the analytical reports and sample diagram.

KATHY H. PORTER  
SECRETARY

DENNIS G. KINSEY  
TREASURER

**There is currently an open excavation (approximately 30' x 30' x 18' deep), it is fenced but still poses a threat to livestock, human health, Yates Petroleum Corporation requests closure based on the impacted soils excavated/removed, analytical results and current open excavation risks.**

If you have any questions, please call me at 575-748-4217.

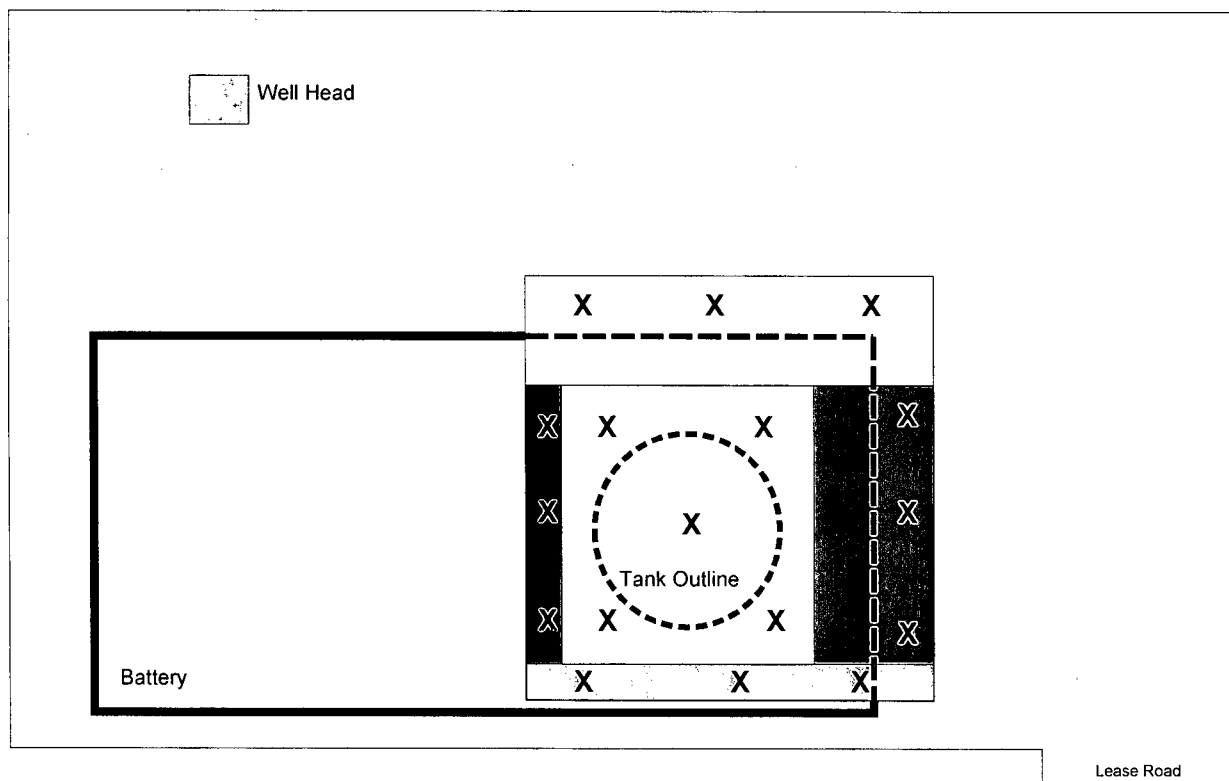
Thank you.

YATES PETROLEUM CORPORATION

A handwritten signature in black ink, appearing to read "Robert Asher", followed by a period.

Robert Asher  
Environmental Regulatory Agent

/rca  
Enclosure(s)

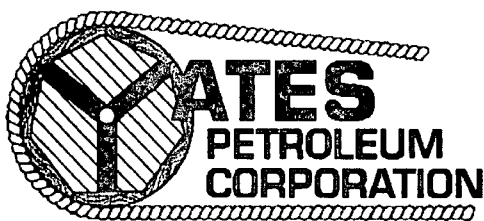


Analytical Report-403367	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
Comp-18.0 T/B	Bottom	1/11/2011	Comp/Shovel	1' (18' BSL)	12.08	459	1320	1780
Comp-16.0 NSW	North Side Wall	1/11/2011	Comp/Shovel	16' BSL	0.0413	ND	ND	ND
Comp-16.0 ESW	East Side Wall	1/11/2011	Comp/Shovel	16' BSL	ND	ND	ND	ND
Comp-16.0 SSW	South Side Wall	1/11/2011	Comp/Shovel	16' BSL	0.0021	ND	ND	ND
Comp-16.0 WSW	West Side Wall	1/11/2011	Comp/Shovel	16' BSL	0.0011	ND	ND	ND

**Site Ranking is Zero (0).** Depth to Ground Water >100' (approx. 350, per New Mexico State Engineer Office).

All results are ppm. BSL - Below Surface Level.

Released: 128 B/O & 5 B/PW; Recovered: 0 B/O & 0 B/PW. Release Date: 5/19/2010



**Laney AGJ Federal. #1**

**30-015-26091**

Section 11, T18S-R24E

## Eddy County, NM

**SAMPLE DIAGRAM (Not to Scale)**

**Xenco Report #: 403367**

Report Date: 1/14/2011

**Prepared by Robert Asher  
Environmental Regulatory Agent**

# Analytical Report 403367

for  
Yates Petroleum Corporation

Project Manager: Robert Asher

Laney AGJ Federal Com. #1

30-015-26091

14-JAN-11



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)  
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



14-JAN-11

Project Manager: **Robert Asher**  
**Yates Petroleum Corporation**  
105 South Fourth St.  
Artesia, NM 88210

Reference: XENCO Report No: **403367**  
**Laney AGJ Federal Com. #1**  
Project Address: Eddy County

**Robert Asher:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 403367. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 403367 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Brent Barron, II**

Odessa Laboratory Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.*

*Certified and approved by numerous States and Agencies.*

*A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

**Sample Cross Reference 403367****Yates Petroleum Corporation, Artesia, NM**

Laney AGJ Federal Com. #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp- 18.0 TB	S	Jan-11-11 10:00	18 - 18 ft	403367-001
Comp- 16.0 NSW	S	Jan-11-11 10:05	16 - 16 ft	403367-002
Comp- 16.0 ESW	S	Jan-11-11 10:10	16 - 16 ft	403367-003
Comp- 16.0 SSW	S	Jan-11-11 10:15	16 - 16 ft	403367-004
Comp- 16.0 WSW	S	Jan-11-11 10:20	16 - 16 ft	403367-005

**CASE NARRATIVE***Client Name: Yates Petroleum Corporation**Project Name: Laney AGJ Federal Com. #1**Project ID: 30-015-26091**Work Order Number: 403367**Report Date: 14-JAN-11**Date Received: 01/12/2011***Sample receipt non conformances and Comments:**

None

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

Batch: LBA-839679 BTEX by EPA 8021B

SW8021BM

Batch 839679, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 403367-001.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 403367-001.

SW8021BM

Batch 839679, Benzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Ethylbenzene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 403367-001, -003, -005, -004, -002.

The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits



# Certificate of Analysis Summary 403367

Yates Petroleum Corporation, Artesia, NM

Project Name: Laney AGJ Federal Com. #1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Wed Jan-12-11 11:30 am

Report Date: 14-JAN-11

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	403367-001	403367-002	403367-003	403367-004	403367-005	
	<i>Field Id:</i>	Comp- 18.0 TB	Comp- 16.0 NSW	Comp- 16.0 ESW	Comp- 16.0 SSW	Comp- 16.0 WSW	
	<i>Depth:</i>	18-18 ft	16-16 ft	16-16 ft	16-16 ft	16-16 ft	
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Jan-11-11 10:00	Jan-11-11 10:05	Jan-11-11 10:10	Jan-11-11 10:15	Jan-11-11 10:20	
<b>BTEX by EPA 8021B</b>	<i>Extracted:</i>	Jan-13-11 15:45	Jan-13-11 15:45	Jan-13-11 15:45	Jan-13-11 15:45	Jan-13-11 15:45	
	<i>Analyzed:</i>	Jan-14-11 08:50	Jan-14-11 00:30	Jan-14-11 00:53	Jan-14-11 01:16	Jan-14-11 01:38	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		ND 0.0205	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0011	
Toluene		1.019 0.0411	0.0063 0.0021	ND 0.0021	ND 0.0020	ND 0.0021	
Ethylbenzene		1.367 0.0205	0.0041 0.0010	ND 0.0010	ND 0.0010	ND 0.0011	
m,p-Xylenes		8.813 0.0411	0.0296 0.0021	ND 0.0021	0.0021 0.0020	ND 0.0021	
o-Xylene		0.8801 0.0205	0.0013 0.0010	ND 0.0010	ND 0.0010	ND 0.0011	
Xylenes, Total		9.693 0.0205	0.0309 0.0010	ND 0.0010	0.0021 0.0010	ND 0.0011	
Total BTEX		12.08 0.0205	0.0413 0.0010	ND 0.0010	0.0021 0.0010	0.0011 0.0011	
<b>Percent Moisture</b>	<i>Extracted:</i>	Jan-12-11 17:00	Jan-12-11 17:00	Jan-12-11 17:00	Jan-12-11 17:00	Jan-12-11 17:00	
	<i>Analyzed:</i>	Jan-12-11 17:00	Jan-12-11 17:00	Jan-12-11 17:00	Jan-12-11 17:00	Jan-12-11 17:00	
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		2.84 1.00	3.84 1.00	4.89 1.00	1.33 1.00	5.40 1.00	
<b>TPH By SW8015B Mod</b>	<i>Extracted:</i>	Jan-13-11 09:30	Jan-13-11 09:30	Jan-13-11 09:30	Jan-13-11 09:30	Jan-13-11 09:30	
	<i>Analyzed:</i>	Jan-13-11 13:53	Jan-13-11 16:20	Jan-13-11 14:53	Jan-13-11 15:23	Jan-13-11 15:51	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons		459 15.4	ND 15.6	ND 15.7	ND 15.2	ND 15.8	
C10-C28 Diesel Range Hydrocarbons		1320 15.4	ND 15.6	ND 15.7	ND 15.2	ND 15.8	
Total TPH		1780 15.4	ND 15.6	ND 15.7	ND 15.2	ND 15.8	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II  
Odessa Laboratory Manager





## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
  - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
  - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
  - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
  - F** RPD exceeded lab control limits.
  - J** The target analyte was positively identified below the MQL and above the SQL.
  - U** Analyte was not detected.
  - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
  - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
  - K** Sample analyzed outside of recommended hold time.
  - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- \* Outside XENCO's scope of NELAC Accreditation.

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

## XENCO-Environmental Lab of Texas

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East  
Odessa, Texas 79765**

Phone: 432-563-1800  
Fax: 432-563-1713

**Project Manager:** Robert Asher

Project Name: **Laney AGJ Federal Com. #1**

Company Name Yates Petroleum Corporation

Project #: 30-015-26091

Company Address: 105 South 4th Street

**Project Loc:** Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

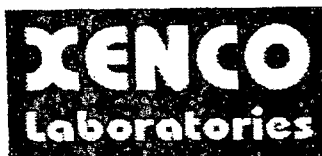
Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

[illegible]



**XENCO Laboratories**  
 Atlanta, Boca Raton, Corpus Christi, Dallas  
 Houston, Miami, Odessa, Philadelphia  
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist  
 Document No.: SYS-SRC  
 Revision/Date: No. 01, 5/27/2010  
 Effective Date: 6/1/2010 Page 1 of 1

### Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum Corporation  
 Date/Time: 1-12-10 11:30  
 Lab ID #: 403367  
 Initials: LM

### Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs   °C	lbs   °C	lbs   °C	lbs   °C	lbs   °C

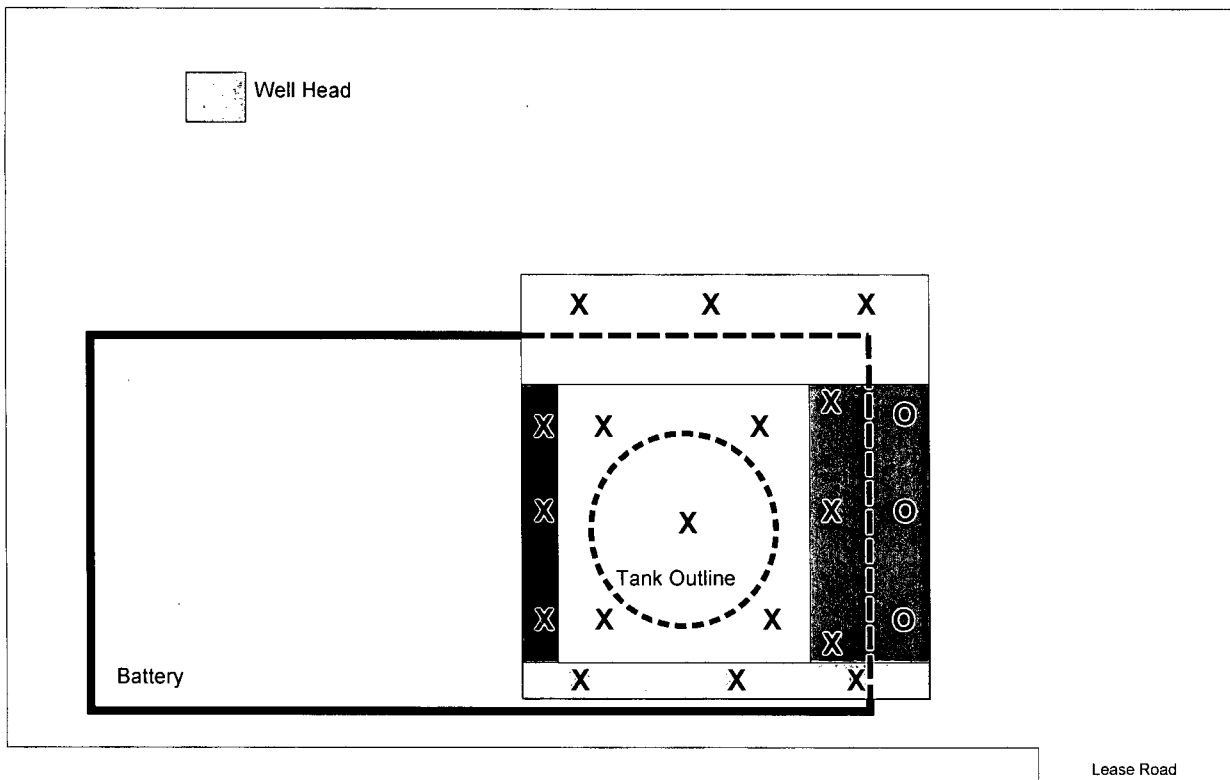
### Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.  
☐ Initial and Backup Temperature confirm out of temperature conditions  
☐ Client understands and would like to proceed with analysis



Analytical Report-399757	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
Comp-18.0 T/B	Bottom	12/7/2010	Comp/Shovel	1' (18' BSL)	23.401	1690	2350	4040
Comp-16.0 NSW	North Side Wall	12/7/2010	Comp/Shovel	16' BSL	0.176	ND	ND	ND
Comp-16.0 ESW	East Side Wall	12/7/2010	Comp/Shovel	16' BSL	27.560	3040	4560	7600
Comp-16.0 SSW	South Side Wall	12/7/2010	Comp/Shovel	16' BSL	ND	ND	ND	ND
Comp-16.0 WSW	West Side Wall	12/7/2010	Comp/Shovel	16' BSL	ND	ND	ND	ND
Analytical Report-402132	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
Comp-10.0 ESW	East Side Wall	12/28/2010	Comp/Shovel	16' BSL	ND	ND	ND	ND

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 350, per New Mexico State Engineer Office).

All results are ppm. BSL - Below Surface Level. X - Sample Points (12/7/2010) O - Sample Points (12/28/2010)

Released: 128 B/O & 5 B/PW; Recovered: 0 B/O & 0 B/PW. Release Date: 5/19/2010



Laney AGJ Federal. #1

30-015-26091

Section 11, T18S-R24E

Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco Report #: 399757

Report Date: 12/13/2010

Xenco Report #: 402132

Report Date: 1/4/2011

Prepared by Robert Asher  
Environmental Regulatory Agent

# Analytical Report 402132

for  
**Yates Petroleum Corporation**

**Project Manager: Robert Asher**

**Laney AGJ Federal # 1**

**30-015-26091**

**04-JAN-11**



**Celebrating 20 Years of commitment to excellence in Environmental Testing Services**



**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



04-JAN-11

Project Manager: **Robert Asher**  
**Yates Petroleum Corporation**  
105 South Fourth St.  
Artesia, NM 88210

Reference: XENCO Report No: **402132**  
**Laney AGJ Federal # 1**  
Project Address: Eddy County

**Robert Asher:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 402132. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 402132 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Brent Barron, II**

Odessa Laboratory Manager

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**Sample Cross Reference 402132****Yates Petroleum Corporation, Artesia, NM**

Laney AGJ Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-16.0 ESW	S	Dec-28-10 10:54	16 - 16 ft	402132-001



**CASE NARRATIVE****Client Name: Yates Petroleum Corporation****Project Name: Laney AGJ Federal # 1**

Project ID: 30-015-26091  
Work Order Number: 402132

Report Date: 04-JAN-11  
Date Received: 12/30/2010

**Sample receipt non conformances and Comments:**

None

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

Batch: LBA-838209 BTEX by EPA 8021  
SW8021BM

Batch 838209, Ethylbenzene, Toluene, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 402132-001.

The Laboratory Control Sample for Toluene, Ethylbenzene, o-Xylene is within laboratory Control Limits.

Batch: LBA-838307 TPH by SW 8015B  
SW8015B\_NM

Batch 838307, C10-C28 Diesel Range Hydrocarbons, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 402132-001.

The Laboratory Control Sample for C6-C10 Gasoline Range Hydrocarbons, C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits.

SW8015B\_NM

Batch 838307, o-Terphenyl recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 402132-001 S.

o-Terphenyl recovered below QC limits. Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 402132-001 SD, 402132-001.





# Certificate of Analysis Summary 402132

Yates Petroleum Corporation, Artesia, NM

Project Name: Laney AGJ Federal # 1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Thu Dec-30-10 09:30 am

Report Date: 04-JAN-11

Project Manager: Brent Barron, II

<b>Analysis Requested</b>	<b>Lab Id:</b>	402132-001					
	<b>Field Id:</b>	Comp-16.0 ESW					
	<b>Depth:</b>	16-16 ft					
	<b>Matrix:</b>	SOIL					
	<b>Sampled:</b>	Dec-28-10 10:54					
<b>BTEX by EPA 8021</b>	<b>Extracted:</b>	Dec-30-10 11:59					
	<b>Analyzed:</b>	Dec-30-10 13:54					
	<b>Units/RL:</b>	mg/kg RL					
Benzene		ND 0.0010					
Toluene		ND 0.0020					
Ethylbenzene		ND 0.0010					
m,p-Xylenes		ND 0.0020					
o-Xylene		ND 0.0010					
Xylenes, Total		ND 0.0010					
Total BTEX		ND 0.0010					
<b>Percent Moisture</b>	<b>Extracted:</b>	Dec-30-10 11:00					
	<b>Analyzed:</b>	Dec-30-10 11:00					
	<b>Units/RL:</b>	% RL					
Percent Moisture		2.56 1.00					
<b>TPH by SW 8015B</b>	<b>Extracted:</b>	Jan-03-11 12:00					
	<b>Analyzed:</b>	Jan-03-11 19:12					
	<b>Units/RL:</b>	mg/kg RL					
C6-C10 Gasoline Range Hydrocarbons		ND 15.3					
C10-C28 Diesel Range Hydrocarbons		ND 15.3					
Total TPH		ND 15.3					

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Brent Barron, II  
Odessa Laboratory Manager



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
  - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
  - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
  - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
  - F** RPD exceeded lab control limits.
  - J** The target analyte was positively identified below the MQL and above the SQL.
  - U** Analyte was not detected.
  - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
  - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
  - K** Sample analyzed outside of recommended hold time.
  - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

# XENCO-Environmental Lab of Texas

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East  
Odessa, Texas 79765**

**Phone: 432-563-1800**  
**Fax: 432-563-1713**

Project Manager: Robert Asher

Project Name: Laney AGJ Federal #1

Company Name Yates Petroleum Corporation

Project #: 30-015-26091

Company Address: 105 South 4th Street

Project Loc: Eddy CountyCity/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

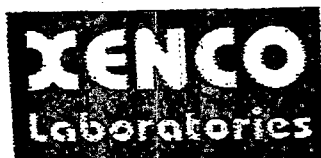
Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: 

e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

[illegible]



**XENCO Laboratories**  
 Atlanta, Boca Raton, Corpus Christi, Dallas  
 Houston, Miami, Odessa, Philadelphia  
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist  
 Document No.: SYS-SRC  
 Revision/Date: No. 01, 5/27/2010  
 Effective Date: 6/1/2010 Page 1 of 1

### Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum  
 Date/Time: 12-30-10 9:30  
 Lab ID #: 407132  
 Initials: AE

#### Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>3.6</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

#### Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.  
☐ Initial and Backup Temperature confirm out of temperature conditions  
☐ Client understands and would like to proceed with analysis

**Analytical Report 399757**

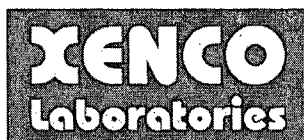
for  
**Yates Petroleum Corporation**

**Project Manager: Robert Asher**

**Laney AGJ Federal #1**

**30-015-26091**

**13-DEC-10**



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**12600 West I-20 East Odessa, Texas 79765**

**Xenco-Houston (EPA Lab code: TX00122):**

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102)

**Xenco-Atlanta (EPA Lab Code: GA00046):**

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

**Xenco-Miami (EPA Lab code: FL01152):** Florida (E86678), Maryland (330)

**Xenco-Tampa Mobile (EPA Lab code: FL01212):** Florida (E84900)

**Xenco-Odessa (EPA Lab code: TX00158):** Texas (T104704400-TX)

**Xenco-Dallas (EPA Lab code: TX01468):** Texas (T104704295-TX)

**Xenco-Corpus Christi (EPA Lab code: TX02613):** Texas (T104704370)

**Xenco-Boca Raton (EPA Lab Code: FL01273):**

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)  
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

**Xenco Phoenix (EPA Lab Code: AZ00901):**

Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

**Xenco-Phoenix Mobile (EPA Lab code: AZ00901):** Arizona (AZM757)

**Xenco Tucson (EPA Lab code:AZ000989):** Arizona (AZ0758)



13-DEC-10

Project Manager: **Robert Asher**  
**Yates Petroleum Corporation**  
105 South Fourth St.  
Artesia, NM 88210

Reference: XENCO Report No: **399757**  
**Laney AGJ Federal #1**  
Project Address: Eddy County

**Robert Asher:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 399757. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 399757 will be filed for 60 days; and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Brent Barron, II**

Odessa Laboratory Manager

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**Sample Cross Reference 399757****Yates Petroleum Corporation, Artesia, NM**

Laney AGJ Federal #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-18.0 TB	S	Dec-07-10 10:43	12 - 12 ft	399757-001
Comp-16.0 NSW	S	Dec-07-10 10:48	14 - 14 ft	399757-002
Comp-16.0 ESW	S	Dec-07-10 10:52	16 - 16 ft	399757-003
Comp-16.0 SSW	S	Dec-07-10 10:58	8 - 8 ft	399757-004
Comp-16.0 WSW	S	Dec-07-10 11:04	8 - 8 ft	399757-005



**CASE NARRATIVE****Client Name: Yates Petroleum Corporation****Project Name: Laney AGJ Federal #1**

Project ID: 30-015-26091  
Work Order Number: 399757

Report Date: 13-DEC-10  
Date Received: 12/08/2010

**Sample receipt non conformances and Comments:**

None

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

Batch: LBA-835333 BTEX by EPA 8021  
SW8021BM

Batch 835333, 1,4-Difluorobenzene recovered below QC limits Data not confirmed by re-analysis. Samples affected are: 590902-1-BLK, 399757-005. QC not confirmed by re-analysis.

Batch: LBA-835357 BTEX by EPA 8021  
SW8021BM

Batch 835357, 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 399757-002 D, 399757-003, 399757-002, 399757-004.

4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 399757-001.

SW8021BM

Batch 835357, o-Xylene recovered below QC limits in the Blank Spike Duplicate.

Samples affected are: 399757-001, -002, -003, -004.

SW8021BM

Batch 835357, o-Xylene RPD was outside laboratory control limits.

Samples affected are: 399757-001, -002, -003, -004





# Certificate of Analysis Summary 399757

Yates Petroleum Corporation, Artesia, NM

Project Name: Laney AGJ Federal #1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Wed Dec-08-10 10:11 am

Report Date: 13-DEC-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	399757-001	399757-002	399757-003	399757-004	399757-005	
	<i>Field Id:</i>	Comp-18.0 TB	Comp-16.0 NSW	Comp-16.0 ESW	Comp-16.0 SSW	Comp-16.0 WSW	
	<i>Depth:</i>	12-12 ft	14-14 ft	16-16 ft	8-8 ft	8-8 ft	
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Dec-07-10 10:43	Dec-07-10 10:48	Dec-07-10 10:52	Dec-07-10 10:58	Dec-07-10 11:04	
<b>BTEX by EPA 8021</b>	<i>Extracted:</i>	Dec-08-10 16:30	Dec-08-10 16:30	Dec-08-10 16:30	Dec-08-10 16:30	Dec-08-10 14:30	
	<i>Analyzed:</i>	Dec-10-10 04:09	Dec-10-10 02:02	Dec-10-10 04:31	Dec-10-10 03:27	Dec-09-10 08:56	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		ND 0.1019	ND 0.0010	ND 0.1017	ND 0.0010	ND 0.0011	
Toluene		5.432 0.2038	0.0224 0.0020	5.878 0.2033	ND 0.0020	ND 0.0021	
Ethylbenzene		6.869 0.1019	0.0156 0.0010	8.191 0.1017	ND 0.0010	ND 0.0011	
m,p-Xylenes		2.032 0.2038	0.1127 0.0020	2.442 0.2033	ND 0.0020	ND 0.0021	
o-Xylene		9.068 0.1019	0.0256 0.0010	11.05 0.1017	ND 0.0010	ND 0.0011	
Xylenes, Total		11.100 0.1019	0.1383 0.0010	13.49 0.1017	ND 0.0010	ND 0.0011	
Total BTEX		23.401 0.1019	0.1763 0.0010	27.56 0.1017	ND 0.0010	ND 0.0011	
<b>Percent Moisture</b>	<i>Extracted:</i>	Dec-09-10 08:30	Dec-09-10 08:30	Dec-09-10 08:30	Dec-09-10 08:30	Dec-09-10 08:30	
	<i>Analyzed:</i>	Dec-09-10 08:30	Dec-09-10 08:30	Dec-09-10 08:30	Dec-09-10 08:30	Dec-09-10 08:30	
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		2.24 1.00	2.73 1.00	1.83 1.00	ND 1.00	5.57 1.00	
<b>TPH by SW 8015B</b>	<i>Extracted:</i>	Dec-08-10 13:00	Dec-08-10 13:00	Dec-08-10 13:00	Dec-08-10 13:00	Dec-08-10 13:00	
	<i>Analyzed:</i>	Dec-09-10 10:42	Dec-09-10 11:12	Dec-09-10 11:40	Dec-09-10 12:08	Dec-09-10 12:36	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons		1690 15.3	ND 15.4	3040 15.2	ND 15.1	ND 15.8	
C10-C28 Diesel Range Hydrocarbons		2350 15.3	ND 15.4	4560 15.2	ND 15.1	ND 15.8	
Total TPH		4040 15.3	ND 15.4	7600 15.2	ND 15.1	ND 15.8	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II  
Odessa Laboratory Manager



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
  - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
  - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
  - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
  - F** RPD exceeded lab control limits.
  - J** The target analyte was positively identified below the MQL and above the SQL.
  - U** Analyte was not detected.
  - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
  - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
  - K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- \* Outside XENCO's scope of NELAC Accreditation.

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9701 Harry Hines Blvd, Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

## XENCO-Environmental Lab of Texas

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East  
Odessa, Texas 79765**

**Phone: 432-563-1800**  
**Fax: 432-563-1713**

Project Manager: Robert Asher

Project Name: **Laney AGJ Federal #1**

Company Name Yates Petroleum Corporation

Project #: 30-015-26091

Company Address: 105 South 4th Street


Project Loc: Eddy County

City/State/Zip:       Artesia, NM 88210

PO #: 105632

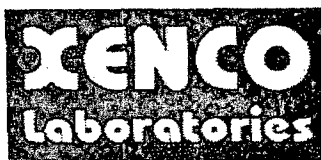
Telephone No: 575-748-4217 Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:  e-mail: boba@yatespetroleum.com

e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

[illegible]



## XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

## Prelogin / Nonconformance Report - Sample Log-In

Client: Yates

Date/Time: 12-8-10 10:11

Lab ID #: 399757

Initials: XM

## Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>35</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

## Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

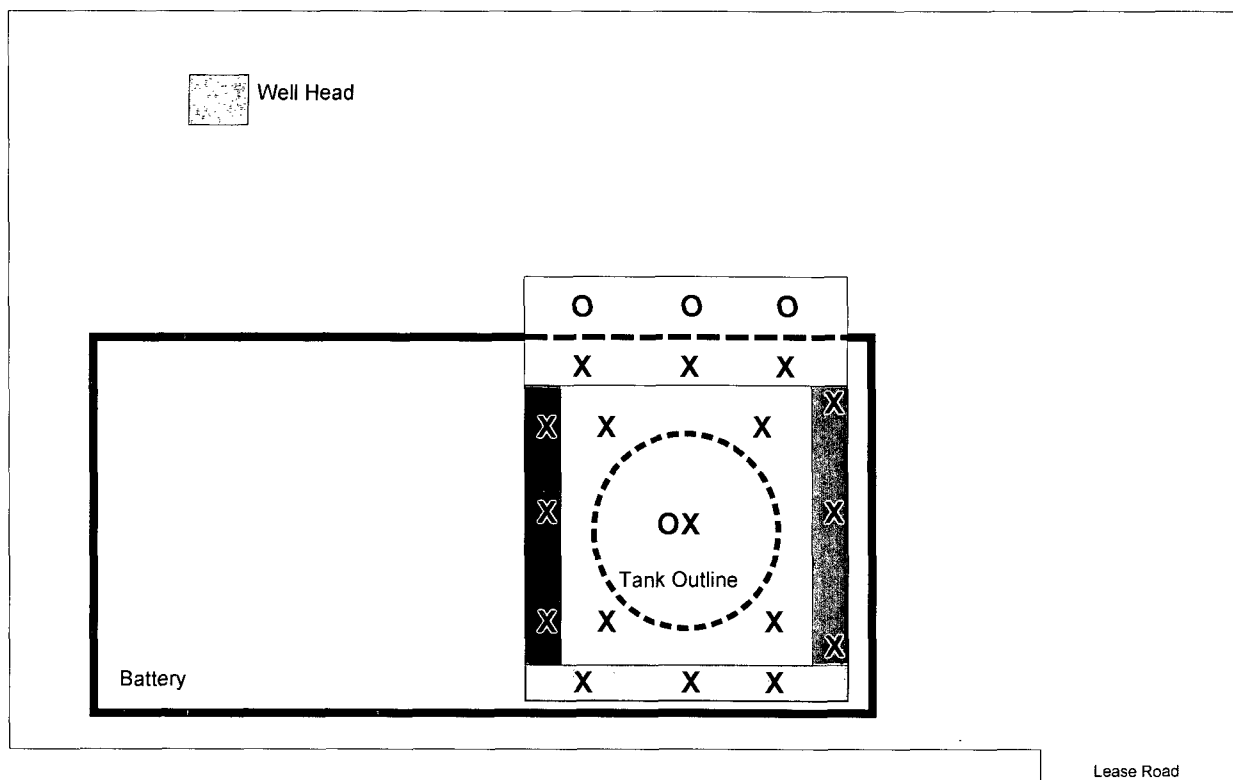
Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

☐ Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

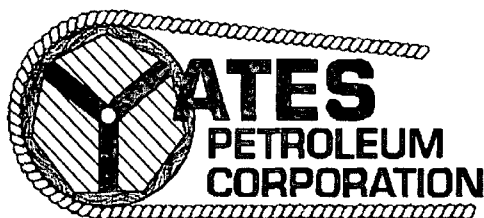


Analytical Report-392024	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
Comp-10.0 T/B	Bottom	9/29/2010	Comp/Auger	1' (11' BSL)	424.9	5920	1540	7460
Comp-08.0 NSW	North Side Wall	9/29/2010	Comp/Auger	8' X 1'	395.2	6420	1800	8220
Comp-08.0 ESW	East Side Wall	9/29/2010	Comp/Auger	8' X 1'	0.004	ND	ND	ND
Comp-08.0 SSW	South Side Wall	9/29/2010	Comp/Auger	8' X 1'	ND	ND	ND	ND
Comp-08.0 WSW	West Side Wall	9/29/2010	Comp/Auger	8' X 1'	ND	ND	ND	ND
Analytical Report-396759	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
Comp-12.0 T/B	Bottom	11/8/2010	Comp/Trackhoe	3' (12' BSL)	720.9	11400	2270	13670
Comp-14.0 T/B	Bottom	11/8/2010	Comp/Trackhoe	5' (14' BSL)	920.5	16800	3080	19880
Comp-16.0 T/B	Bottom	11/8/2010	Comp/Trackhoe	7' (16' BSL)	762.2	12000	1970	13970
Comp-8X2 NSW	North Side Wall	11/8/2010	Comp/Trackhoe	8' X 2'	ND	ND	ND	ND
Comp-8X4 NSW	North Side Wall	11/8/2010	Comp/Trackhoe	8' X 4'	ND	ND	ND	ND

**Site Ranking is Zero (0).** Depth to Ground Water >100' (approx. 350, per New Mexico State Engineer Office).

All results are ppm. BSL - Below Surface Level. X - Sample Points (9/29/2010) O - Sample Points (11/8/2010)

Released: 128 B/O & 5 B/PW; Recovered: 0 B/O & 0 B/PW. Release Date: 5/19/2010



**Laney AGJ Federal. #1**

**30-015-26091**

**Section 11, T18S-R24E**

**Eddy County, NM**

**SAMPLE DIAGRAM (Not to Scale)**

Xenco Report #: 392024

Report Date: 10/5/2010

Xenco Report #: 396759

Report Date: 11/15/2010

Prepared by Robert Asher  
Environmental Regulatory Agent

# Analytical Report 396759

for  
Yates Petroleum Corporation

Project Manager: Robert Asher

Laney AGJ Federal # 1

30-015-26091

15-NOV-10



**Celebrating 20 Years of commitment to excellence in Environmental Testing Services**



**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

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Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)  
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)





15-NOV-10

Project Manager: **Robert Asher**  
**Yates Petroleum Corporation**  
105 South Fourth St.  
Artesia, NM 88210

Reference: XENCO Report No: **396759**  
**Laney AGJ Federal # 1**  
Project Address: Eddy County

**Robert Asher:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 396759. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

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We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Brent Barron, II**

Odessa Laboratory Manager

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**Sample Cross Reference 396759****Yates Petroleum Corporation, Artesia, NM**

Laney AGJ Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-12.0 TB	S	Nov-08-10 14:18	12 - 12 ft	396759-001
Comp-14.0 TB	S	Nov-08-10 14:23	14 - 14 ft	396759-002
Comp-16.0 TB	S	Nov-08-10 14:27	16 - 16 ft	396759-003
Comp-8X2 NSW	S	Nov-08-10 14:31	8 - 8 ft	396759-004
Comp-8X4 NSW	S	Nov-08-10 14:34	8 - 8 ft	396759-005



**CASE NARRATIVE***Client Name: Yates Petroleum Corporation**Project Name: Laney AGJ Federal # 1**Project ID: 30-015-26091**Report Date: 15-NOV-10**Work Order Number: 396759**Date Received: 11/10/2010***Sample receipt non conformances and Comments:**

None

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:***Batch: LBA-831605 TPH by SW 8015B  
SW8015B\_NM**Batch 831605, 1-Chlorooctane recovered above QC limits . Matrix interferences is suspected;  
data confirmed by re-analysis**Samples affected are: 396759-003,396759-001.**Batch: LBA-831762 BTEX by EPA 8021  
SW8021BM**Batch 831762, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC  
limits in the Matrix Spike.**Samples affected are: 396759-005, -004.**The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is  
within laboratory Control Limits**Batch: LBA-831952 BTEX by EPA 8021  
SW8021BM**Batch 831952, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is  
suspected; data confirmed by re-analysis**Samples affected are: 396759-001,396759-003,396759-002.*



# Certificate of Analysis Summary 396759

Yates Petroleum Corporation, Artesia, NM

Project Name: Laney AGJ Federal # 1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Wed Nov-10-10 11:00 am

Report Date: 15-NOV-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	396759-001	396759-002	396759-003	396759-004	396759-005	
	<i>Field Id:</i>	Comp-12.0 TB	Comp-14.0 TB	Comp-16.0 TB	Comp-8X2 NSW	Comp-8X4 NSW	
	<i>Depth:</i>	12-12 ft	14-14 ft	16-16 ft	8-8 ft	8-8 ft	
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Nov-08-10 14:18	Nov-08-10 14:23	Nov-08-10 14:27	Nov-08-10 14:31	Nov-08-10 14:34	
<b>BTEX by EPA 8021</b>	<i>Extracted:</i>	Nov-12-10 11:22	Nov-12-10 11:22	Nov-12-10 11:22	Nov-11-10 12:46	Nov-11-10 12:46	
	<i>Analyzed:</i>	Nov-12-10 16:56	Nov-12-10 17:17	Nov-12-10 17:38	Nov-11-10 17:33	Nov-11-10 17:54	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		ND 11.03	ND 10.99	ND 10.74	ND 0.0011	ND 0.0011	
Toluene		164.2 22.06	206.1 21.97	182.1 21.47	ND 0.0021	ND 0.0022	
Ethylbenzene		54.48 11.03	67.79 10.99	61.52 10.74	ND 0.0011	ND 0.0011	
m,p-Xylenes		420.5 22.06	536.8 21.97	433.0 21.47	ND 0.0021	ND 0.0022	
o-Xylene		81.72 11.03	109.8 10.99	85.57 10.74	ND 0.0011	ND 0.0011	
Xylenes, Total		502.2 11.03	646.6 10.99	518.6 10.74	ND 0.0011	ND 0.0011	
Total BTEX		720.9 11.03	920.5 10.99	762.2 10.74	ND 0.0011	ND 0.0011	
<b>Percent Moisture</b>	<i>Extracted:</i>	Nov-11-10 11:07	Nov-11-10 11:07	Nov-11-10 11:07	Nov-11-10 11:19	Nov-11-10 11:19	
	<i>Analyzed:</i>	Nov-11-10 11:07	Nov-11-10 11:07	Nov-11-10 11:07	Nov-11-10 11:19	Nov-11-10 11:19	
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		9.33 1.00	8.98 1.00	7.78 1.00	7.13 1.00	7.24 1.00	
<b>TPH by SW 8015B</b>	<i>Extracted:</i>	Nov-10-10 16:00	Nov-10-10 16:00	Nov-10-10 16:00	Nov-10-10 16:00	Nov-10-10 16:00	
	<i>Analyzed:</i>	Nov-11-10 12:08	Nov-11-10 12:38	Nov-11-10 14:33	Nov-11-10 11:11	Nov-11-10 11:40	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons		11400 82.8	16800 165	12000 81.7	ND 16.2	ND 16.1	
C10-C28 Diesel Range Hydrocarbons		2270 82.8	3080 165	1970 81.7	ND 16.2	ND 16.1	
Total TPH		13670 82.8	19880 165	13970 81.7	ND 16.2	ND 16.1	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II  
Odessa Laboratory Manager



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit

**PQL** Practical Quantitation Limit

\* Outside XENCO's scope of NELAC Accreditation.

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Phone: 432-563-1800**  
**Fax: 432-563-1713**

Project Name: Laney AGJ Federal #1

Project #: 30-015-26091

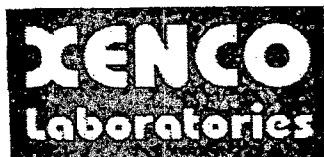
Project Loc: Eddy County

PO #: 105632

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

Released to Imaging: 2/27/2023 11:21:49 AM



## XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas  
Houston, Miami, Odessa, Philadelphia  
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

## Prelogin / Nonconformance Report - Sample Log-In

Client: Yates  
Date/Time: 11-10-10 11:00  
Lab ID #: 396759  
Initials: XIV

## Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>5.1</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

## Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.  
☐ Initial and Backup Temperature confirm out of temperature conditions  
☐ Client understands and would like to proceed with analysis

# Analytical Report 392024

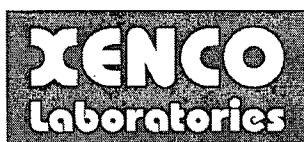
for  
Yates Petroleum Corporation

**Project Manager: Robert Asher**

**Laney AGJ Federal #1**

**30-015-26091**

**05-OCT-10**



**Celebrating 20 Years of commitment to excellence in Environmental Testing Services**



**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)  
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)





05-OCT-10

Project Manager: **Robert Asher**  
**Yates Petroleum Corporation**  
105 South Fourth St.  
Artesia, NM 88210

Reference: XENCO Report No: **392024**  
**Laney AGJ Federal #1**  
Project Address: Eddy County

**Robert Asher:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 392024. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 392024 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Odessa Laboratory Manager

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**Sample Cross Reference 392024****Yates Petroleum Corporation, Artesia, NM**

Laney AGJ Federal #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-10.0 TB	S	Sep-29-10 13:49	10 - 10 ft	392024-001
Comp-08.0 NSW	S	Sep-29-10 14:03	8 - 8 ft	392024-002
Comp-08.0 ESW	S	Sep-29-10 14:18	8 - 8 ft	392024-003
Comp-08.0 SSW	S	Sep-29-10 14:31	8 - 8 ft	392024-004
Comp-08.0 WSW	S	Sep-29-10 14:43	8 - 8 ft	392024-005



**CASE NARRATIVE****Client Name: Yates Petroleum Corporation****Project Name: Laney AGJ Federal #1**

Project ID: 30-015-26091

Work Order Number: 392024

Report Date: 05-OCT-10

Date Received: 10/01/2010

**Sample receipt non conformances and Comments:**

None

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**Batch: LBA-825786 BTEX by EPA 8021B  
SW8021BM

Batch 825786, 4-Bromofluorobenzene recovered above QC limits Sample Data confirmed by re-analysis. Samples affected are: 574992-1-BKS, 574992-1-BLK, 574992-1-BSD, 392024-003 S, 392024-003 SD, 392024-003. Surrogate Failures in QC were not reanalyzed.

Batch: LBA-825796 BTEX by EPA 8021B  
SW8021BMBatch 825796, 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; QC data not confirmed by re-analysis  
Samples affected are: 392068-001 S, 392068-001 SD.Batch: LBA-825799 TPH By SW8015B Mod  
SW8015B\_NMBatch 825799, 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected; data not confirmed by re-analysis  
Samples affected are: 392024-002. o-Terphenyl was within QC limits for this sample.Batch: LBA-825962 BTEX by EPA 8021B  
SW8021BMBatch 825962, 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis  
Samples affected are: 392024-002. 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis  
Samples affected are: 392024-001. 4-Bromofluorobenzene recovered above QC limits Data confirmed by re-analysis. Samples affected are: 575112-1-BLK, 575112-1-BSD, 392024-001, 392024-005.



# Certificate of Analysis Summary 392024

Yates Petroleum Corporation, Artesia, NM

Project Name: Laney AGJ Federal #1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Oct-01-10 09:45 am

Report Date: 05-OCT-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	392024-001	392024-002	392024-003	392024-004	392024-005	
	Field Id:	Comp-10.0 TB	Comp-08.0 NSW	Comp-08.0 ESW	Comp-08.0 SSW	Comp-08.0 WSW	
	Depth:	10-10 ft	8-8 ft	8-8 ft	8-8 ft	8-8 ft	
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Sep-29-10 13:49	Sep-29-10 14:03	Sep-29-10 14:18	Sep-29-10 14:31	Sep-29-10 14:43	
<b>BTEX by EPA 8021B</b>	Extracted:	Oct-04-10 13:00	Oct-04-10 13:00	Oct-03-10 14:00	Oct-01-10 17:00	Oct-04-10 13:00	
	Analyzed:	Oct-04-10 20:13	Oct-04-10 21:45	Oct-03-10 17:08	Oct-02-10 05:40	Oct-04-10 17:05	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
		2.717 0.5780	1.705 0.5554	ND 0.0011	0.0012 0.0011	ND 0.0055	
Benzene		85.33 1.156	77.10 1.111	ND 0.0022	0.0090 0.0021	ND 0.0110	
Toluene		37.38 0.5780	30.59 0.5554	ND 0.0011	0.0029 0.0011	ND 0.0055	
Ethylbenzene		229.8 1.156	221.1 1.111	0.0028 0.0022	0.0156 0.0021	ND 0.0110	
m,p-Xylenes		69.65 0.5780	64.70 0.5554	0.0012 0.0011	0.0044 0.0011	ND 0.0055	
o-Xylene		299.5 0.5780	285.8 0.5554	0.0040 0.0011	0.0200 0.0011	ND 0.0055	
Total Xylenes		424.9 0.5780	395.2 0.5554	0.0040 0.0011	0.0331 0.0011	ND 0.0055	
Total BTEX							
<b>Percent Moisture</b>	Extracted:	Oct-01-10 17:00	Oct-01-10 17:00	Oct-01-10 17:00	Oct-01-10 17:00	Oct-01-10 17:00	
	Analyzed:	Oct-01-10 17:00	Oct-01-10 17:00	Oct-01-10 17:00	Oct-01-10 17:00	Oct-01-10 17:00	
	Units/RL:	% RL	% RL	% RL	% RL	% RL	
		13.5 1.00	9.97 1.00	7.35 1.00	6.26 1.00	8.74 1.00	
Percent Moisture							
<b>TPH By SW8015B Mod</b>	Extracted:	Oct-01-10 12:30	Oct-01-10 12:30	Oct-01-10 12:30	Oct-01-10 12:30	Oct-01-10 12:30	
	Analyzed:	Oct-01-10 16:27	Oct-01-10 16:58	Oct-01-10 17:29	Oct-01-10 17:59	Oct-01-10 18:29	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
		5920 86.5	6420 83.2	ND 16.3	ND 16.0	ND 16.4	
C6-C10 Gasoline Range Hydrocarbons		1540 86.5	1800 83.2	ND 16.3	ND 16.0	ND 16.4	
C10-C28 Diesel Range Hydrocarbons		7460 86.5	8220 83.2	ND 16.3	ND 16.0	ND 16.4	
Total TPH							

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Brent Barron, II  
Odessa Laboratory Manager



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
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- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

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**RL** Reporting Limit

**MDL** Method Detection Limit

**PQL** Practical Quantitation Limit

\* Outside XENCO's scope of NELAC Accreditation.

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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

## XENCO-Environmental Lab of Texas

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765Phone: 432-563-1800  
Fax: 432-563-1713

Project Manager: Robert Asher

Cooler #

Project Name: Laney AGJ Federal #1

Company Name: Yates Petroleum Corporation

Project #: 30-015-26091

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

Fax No: 575-748-4652

Report Format: ☒ Standard ☐ TRRP ☐ NPDESSampler Signature: *Robert Asher*

e-mail: bobba@yatespetroleum.com

(lab use only)

ORDER #: 392024

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Select Filtered	Total # of Containers	Preservation & # of Containers										Matrix	Analyze For										RUSH TAT (hrs) (excluding 24 hr. 72 hrs. Standard TAT)
								TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH		TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	
1	Comp-10.0 TB	10'	10'	9/29/2010	1:49 PM	1	X											S	X										X
2	Comp-08.0 NSW	8'	8'	9/29/2010	2:03 PM	1	X											S	X										X
3	Comp-08.0 ESW	8'	8'	9/29/2010	2:18 PM	1	X											S	X										X
4	Comp-08.0 SSW	8'	8'	9/29/2010	2:31 PM	1	X											S	X										X
5	Comp-08.0 WSW	8'	8'	9/29/2010	2:43 PM	1	X											S	X										X

Special Instructions: TPH: 8015B &amp; BTEX: 8021B. Please show ALL results as mg/kg. Thank you

Relinquished by: Robert Asher	Date: 09/30/10	Time: 2:30 PM	Received by: <i>Ren/UPC</i>	Date: 10/1/10	Time: 9:45
Relinquished by: <i>Ren/UPC</i>	Date: 10/1/10	Time: 9:45	Received by: <i>Ren/UPC</i>	Date: 10/1/10	Time: 9:45
Relinquished by: <i>Ren/UPC</i>	Date: 10/1/10	Time: 9:45	Received by: <i>Ren/UPC</i>	Date: 10/1/10	Time: 9:45

Laboratory Comments:  
 Sample Containers Intact? ☒ N  
 VOCs Free of Headspace? ☒ N  
 Labels on container(s) ☒ N  
 Custody seals on container(s) ☒ N  
 Custody seals on cooler(s) ☒ N  
 Sample Hand Delivered ☒ N  
 by Sampler/Client Rep. ? ☒ N  
 by *Ren/UPC* UPS DHL ☒ N  
 Temperature Upon Receipt *10 C*



**XENCO Laboratories**  
Atlanta, Boca Raton, Corpus Christi, Dallas  
Houston, Miami, Odessa, Philadelphia  
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist  
Document No.: SYS-SRC  
Revision/Date: No. 01, 5/27/2010  
Effective Date: 6/1/2010 Page 1 of 1

## Prelogin / Nonconformance Report - Sample Log-In

Client: 4atus  
Date/Time: 10/11/10 9:45am  
Lab ID #: 397024  
Initials: MS

## Sample Receipt Checklist

1. Samples on ice?	<u>Blue</u>	Water	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	<u>Yes</u>	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	<u>Yes</u>	<u>No</u>	N/A	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs   °C	lbs   °C	lbs   °C	lbs   °C	lbs   °C

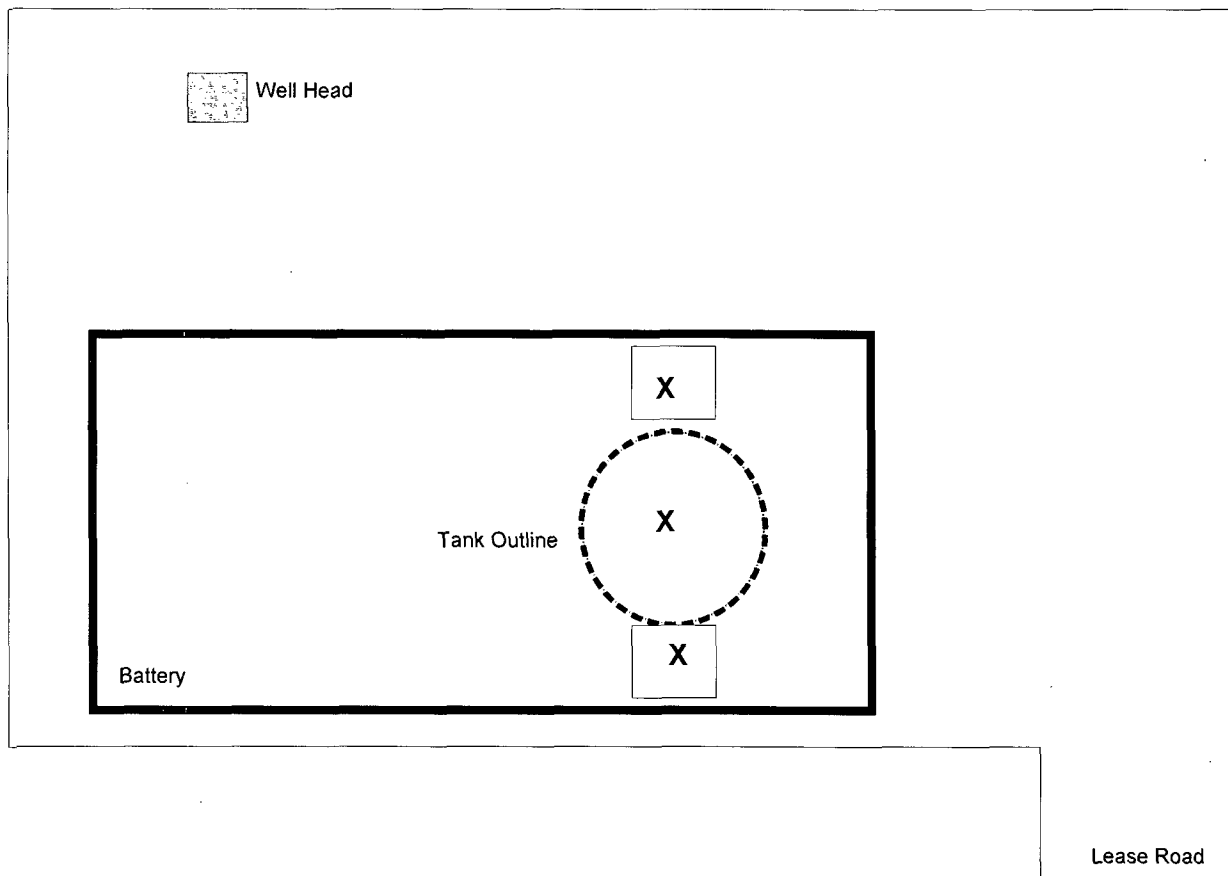
## Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.  
☐ Initial and Backup Temperature confirm out of temperature conditions  
☐ Client understands and would like to proceed with analysis

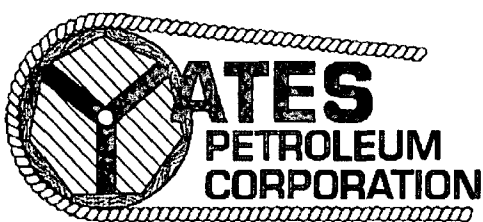


Analytical Report- 376799 & 376805	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-002 B/E	Battery Edge	6/10/2010	Comp/Backhoe	2' BSL	539.0	4230	306	4536	229
Comp-004 B/E	Battery Edge	6/10/2010	Comp/Backhoe	4' BSL	695.4	16700	1470	18170	452
Comp-002 T/B	Tank Bottom	6/10/2010	Grab/Backhoe	2' BSL	127.9	1700	187	1887	2740
Comp-004 T/B	Tank Bottom	6/10/2010	Grab/Backhoe	4' BSL	518.7	5360	330	5690	235
Comp-006 T/B	Tank Bottom	6/10/2010	Grab/Backhoe	6' BSL	359.6	3260	189	3449	11.2
Comp-008 T/B	Tank Bottom	6/10/2010	Grab/Backhoe	8' BSL	541.4	15900	1220	17120	7.78

**Site Ranking is Zero (0).** Depth to Ground Water >100' (approx. 350, per New Mexico State Engineer Office).

All results are ppm. Chloride results are for documentation. BSL - Below Surface Level. X - Sample Points

Released: 128 B/O & 5 B/PW; Recovered: 0 B/O & 0 B/PW. Release Date: 5/19/2010



**Laney AGJ Federal. #1**

**30-015-26091**

**Section 11, T18S-R24E**

**Eddy County, NM**

**SAMPLE DIAGRAM (Not to Scale)**

**Xenco Report #: 376799 & 376805  
Report Date: 6/17/2010**

**Prepared by Robert Asher  
Environmental Regulatory Agent**

# Analytical Report 376805

for

## Yates Petroleum Corporation

Project Manager: Robert Asher

Laney AGJ Federal #1

30-015-26091

17-JUN-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)  
North Carolina(444), Texas(T104704468-TX), Illinois(002295)





17-JUN-10

Project Manager: **Robert Asher**  
**Yates Petroleum Corporation**  
105 South Fourth St.  
Artesia, NM 88210

Reference: XENCO Report No: **376805**  
**Laney AGJ Federal #1**  
Project Address: Lea County, NM

**Robert Asher:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 376805. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 376805 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Brent Barron, II**

Odessa Laboratory Manager

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**Sample Cross Reference 376805****Yates Petroleum Corporation, Artesia, NM**

Laney AGJ Federal #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-002B/E	S	Jun-10-10 10:02	2' - 2' ft	376805-001
Comp-004B/E	S	Jun-10-10 10:07	4' - 4' ft	376805-002
Comp-002T/B	S	Jun-10-10 10:15	2' - 2' ft	376805-003
Comp-004T/B	S	Jun-10-10 10:18	4' - 4' ft	376805-004
Comp-006T/B	S	Jun-10-10 10:21	6' - 6' ft	376805-005
Comp-008T/B	S	Jun-10-10 10:25	8' - 8' ft	376805-006



## CASE NARRATIVE

**Client Name:** Yates Petroleum Corporation

**Project Name:** Laney AGJ Federal #1



**Project ID:** 30-015-26091

**Work Order Number:** 376805

**Report Date:** 17-JUN-10

**Date Received:** 06/11/2010

---

**Sample receipt non conformances and Comments:**

None

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**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

**Batch:** LBA-810369 Percent Moisture

None

**Batch:** LBA-810903 Inorganic Anions by EPA 300

None



# Certificate of Analysis Summary 376805

Yates Petroleum Corporation, Artesia, NM

Project Name: Laney AGJ Federal #1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Lea County, NM

Date Received in Lab: Fri Jun-11-10 01:43 pm

Report Date: 17-JUN-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	376805-001	376805-002	376805-003	376805-004	376805-005	376805-006
	<i>Field Id:</i>	Comp-002B/E	Comp-004B/E	Comp-002T/B	Comp-004T/B	Comp-006T/B	Comp-008T/B
	<i>Depth:</i>	2'-2' ft	4'-4' ft	2'-2' ft	4'-4' ft	6'-6' ft	8'-8' ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-10-10 10:02	Jun-10-10 10:07	Jun-10-10 10:15	Jun-10-10 10:18	Jun-10-10 10:21	Jun-10-10 10:25
<b>Anions in Soil By EPA 300.0</b>	<i>Extracted:</i>	Jun-16-10 08:46	Jun-16-10 08:46	Jun-16-10 08:46	Jun-16-10 08:46	Jun-16-10 08:46	Jun-16-10 08:46
	<i>Analyzed:</i>	Jun-16-10 08:46	Jun-16-10 08:46	Jun-16-10 08:46	Jun-16-10 08:46	Jun-16-10 08:46	Jun-16-10 08:46
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		229 9.89	452 9.58	2740 50.7	235 10.1	11.2 4.88	7.78 4.72
<b>Percent Moisture</b>	<i>Extracted:</i>	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20
	<i>Analyzed:</i>	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		15.1 1.00	12.3 1.00	17.2 1.00	17.1 1.00	14.0 1.00	11.1 1.00

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II  
Odessa Laboratory Manager



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
  - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
  - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
  - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
  - F** RPD exceeded lab control limits.
  - J** The target analyte was positively identified below the MQL and above the SQL.
  - U** Analyte was not detected.
  - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
  - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
  - K** Sample analyzed outside of recommended hold time.
  - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- \* Outside XENCO's scope of NELAC Accreditation.

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4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

# XENCO-Environmental Lab of Texas

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East  
Odessa, Texas 79765**

**Phone: 432-563-1800**  
**Fax: 432-563-1713**

Project Manager: Robert Asher Cooler #                     

Project Name: Laney AGJ Federal #1

Company Name Yates Petroleum Corporation

Project #: 30-015-26091

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

Fax No: 575-748-4862

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: 

e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

[illegible]



**XENCO Laboratories**  
 Atlanta, Boca Raton, Corpus Christi, Dallas  
 Houston, Miami, Odessa, Philadelphia  
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist  
 Document No.: SYS-SRC  
 Revision/Date: No. 01, 5/27/2010  
 Effective Date: 6/1/2010 Page 1 of 1

### Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum  
 Date/Time: 6.11.10 9:45  
 Lab ID #: 376799 / 376805  
 Initials: AL

### Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>1.1</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

### Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.  
☐ Initial and Backup Temperature confirm out of temperature conditions  
☐ Client understands and would like to proceed with analysis

# Analytical Report 376799

for

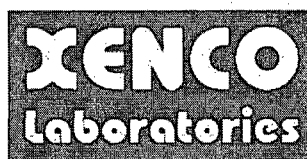
## Yates Petroleum Corporation

**Project Manager: Robert Asher**

**Laney AGJ Federal #1**

**30-015-26091**

**17-JUN-10**



**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295)



17-JUN-10

Project Manager: **Robert Asher**  
**Yates Petroleum Corporation**  
105 South Fourth St.  
Artesia, NM 88210

Reference: XENCO Report No: **376799**  
**Laney AGJ Federal #1**  
Project Address: Lea County, NM

**Robert Asher:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 376799. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 376799 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Brent Barron, II**

Odessa Laboratory Manager

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**Sample Cross Reference 376799****Yates Petroleum Corporation, Artesia, NM**

Laney AGJ Federal #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-002B/E	S	Jun-10-10 10:02	2' - 2' ft	376799-001
Comp-004B/E	S	Jun-10-10 10:07	4' - 4' ft	376799-002
Comp-002T/B	S	Jun-10-10 10:15	2' - 2' ft	376799-003
Comp-004T/B	S	Jun-10-10 10:18	4' - 4' ft	376799-004
Comp-006T/B	S	Jun-10-10 10:21	6' - 6' ft	376799-005
Comp-008T/B	S	Jun-10-10 10:25	8' - 8' ft	376799-006

**CASE NARRATIVE****Client Name: Yates Petroleum Corporation****Project Name: Laney AGJ Federal #1**

Project ID: 30-015-26091

Work Order Number: 376799

Report Date: 17-JUN-10

Date Received: 06/11/2010

**Sample receipt non conformances and Comments:**

None

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

Batch: LBA-810369 Percent Moisture

None

Batch: LBA-810858 BTEX by EPA 8021

SW8021BM

Batch 810858, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 376799-001,376799-003,376799-002.

SW8021BM

Batch 810858, Benzene, Ethylbenzene, Toluene, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 376799-002, -003, -001.

The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

Batch: LBA-810931 TPH by SW 8015B

SW8015B\_NM

Batch 810931, 1-Chlorooctane, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 376799-006,376799-002.

SW8015B\_NM

Batch 810931, C10-C28 Diesel Range Hydrocarbons, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 376799-004, -002, -005, -006, -003, -001.

The Laboratory Control Sample for C6-C10 Gasoline Range Hydrocarbons , C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Laney AGJ Federal #1*



*Project ID: 30-015-26091*

*Work Order Number: 376799*

*Report Date: 17-JUN-10*

*Date Received: 06/11/2010*

*Batch: LBA-810935 BTEX by EPA 8021  
SW8021BM*

*Batch 810935, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is  
suspected; data confirmed by re-analysis*

*Samples affected are: 376799-006.*

*4-Bromofluorobenzene recovered below QC limits Data not confirmed by re-analysis. Samples  
affected are: 565901-1-BLK.*



# Certificate of Analysis Summary 376799

Yates Petroleum Corporation, Artesia, NM

Project Name: Laney AGJ Federal #1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Lea County, NM

Date Received in Lab: Fri Jun-11-10 09:45 am

Report Date: 17-JUN-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	376799-001	376799-002	376799-003	376799-004	376799-005	376799-006
	<i>Field Id:</i>	Comp-002B/E	Comp-004B/E	Comp-002T/B	Comp-004T/B	Comp-006T/B	Comp-008T/B
	<i>Depth:</i>	2'-2' ft	4'-4' ft	2'-2' ft	4'-4' ft	6'-6' ft	8'-8' ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-10-10 10:02	Jun-10-10 10:07	Jun-10-10 10:15	Jun-10-10 10:18	Jun-10-10 10:21	Jun-10-10 10:25
<b>BTEX by EPA 8021</b>	<i>Extracted:</i>	Jun-15-10 14:00	Jun-15-10 14:00	Jun-15-10 14:00	Jun-16-10 08:30	Jun-16-10 08:30	Jun-16-10 08:30
	<i>Analyzed:</i>	Jun-15-10 19:41	Jun-15-10 20:48	Jun-15-10 21:55	Jun-16-10 18:37	Jun-16-10 20:06	Jun-16-10 21:13
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		8.764 5.843	9.935 5.645	1.981 1.208	34.98 30.16	ND 11.63	ND 11.24
Toluene		76.13 11.69	128.3 11.29	7.621 2.415	154.1 60.31	99.30 23.26	140.0 22.47
Ethylbenzene		58.78 5.843	69.49 5.645	7.186 1.208	ND 30.16	40.12 11.63	47.64 11.24
m,p-Xylenes		323.3 11.69	397.5 11.29	87.10 2.415	259.7 60.31	183.7 23.26	292.6 22.47
o-Xylene		71.98 5.843	90.20 5.645	24.01 1.208	69.96 30.16	36.51 11.63	61.12 11.24
Xylenes, Total		395.3 5.843	487.7 5.645	111.11 1.208	329.7 30.16	220.2 11.63	353.7 11.24
Total BTEX		539.0 5.843	695.4 5.645	127.90 1.208	518.7 30.16	359.6 11.63	541.4 11.24
<b>Percent Moisture</b>	<i>Extracted:</i>	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20
	<i>Analyzed:</i>	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20	Jun-12-10 09:20
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		15.1 1.00	12.3 1.00	17.2 1.00	17.1 1.00	14.0 1.00	11.1 1.00
<b>TPH by SW 8015B</b>	<i>Extracted:</i>	Jun-12-10 09:30	Jun-12-10 09:30	Jun-12-10 09:30	Jun-12-10 09:30	Jun-12-10 09:30	Jun-12-10 09:30
	<i>Analyzed:</i>	Jun-15-10 18:43	Jun-16-10 14:15	Jun-15-10 19:37	Jun-15-10 20:04	Jun-15-10 20:32	Jun-16-10 14:42
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C10 Gasoline Range Hydrocarbons		4230 17.6	16700 85.3	1700 18.0	5360 18.2	3260 87.6	15900 84.1
C10-C28 Diesel Range Hydrocarbons		306 17.6	1470 85.3	187 18.0	330 18.2	189 87.6	1220 84.1
Total TPH		4536 17.6	18170 85.3	1887 18.0	5690 18.2	3449 87.6	17120 84.1

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II  
Odessa Laboratory Manager



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
  - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
  - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
  - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
  - F** RPD exceeded lab control limits.
  - J** The target analyte was positively identified below the MQL and above the SQL.
  - U** Analyte was not detected.
  - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
  - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
  - K** Sample analyzed outside of recommended hold time.
  - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit

\* Outside XENCO's scope of NELAC Accreditation.

***Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.***

*Certified and approved by numerous States and Agencies.*

*A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

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 2505 North Falkenburg Rd, Tampa, FL 33619  
 5757 NW 158th St, Miami Lakes, FL 33014  
 12600 West I-20 East, Odessa, TX 79765  
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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

## XENCO-Environmental Lab of Texas

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East  
Odessa, Texas 79765**

**Phone: 432-563-1800**  
**Fax: 432-563-1713**

Project Manager: Robert Asher Cooler #

Project Name: Laney AGJ Federal #1

**Company Name** Yates Petroleum Corporation

Project #: 30-015-26091

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip:      Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217 Fax No: 575-748-4862

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:  e-mail: boba@yatespetroleum.com

e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

[illegible]



**XENCO Laboratories**  
 Atlanta, Boca Raton, Corpus Christi, Dallas  
 Houston, Miami, Odessa, Philadelphia  
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist  
 Document No.: SYS-SRC  
 Revision/Date: No. 01, 5/27/2010  
 Effective Date: 6/1/2010 Page 1 of 1

### Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum  
 Date/Time: 6-11-10 9:45  
 Lab ID #: 376799 / 376805  
 Initials: AL

### Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs	lbs	lbs	lbs	lbs
°C	°C	°C	°C	°C

### Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.  
☐ Initial and Backup Temperature confirm out of temperature conditions  
☐ Client understands and would like to proceed with analysis

**Bratcher, Mike, EMNRD**

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Thursday, January 20, 2011 4:36 PM  
**To:** 'Bob Asher'  
**Cc:** Jerry Fanning  
**Subject:** RE: Closure Request (Laney AGJ Federal Com. #1)

Bob,

Based on the analytical data presented, this site is approved to backfill. Closure documents will be imaged to **2RP-534**, but will not be available for review until after 1/25/2011.

If you have any questions or concerns, please contact me.

Sincerely,

**MIKE BRATCHER**

NMOCD District 2  
1301 W. Grand Ave.  
Artesia, NM 88210  
575-748-1283 Ext.108  
575-626-0857  
[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)

---

**From:** Bob Asher [<mailto:BobA@yatespetroleum.com>]  
**Sent:** Thursday, January 20, 2011 3:28 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Jerry Fanning  
**Subject:** Closure Request (Laney AGJ Federal Com. #1)

Mike,

I submitted a C-141 Final Report, analyticals and sample diagrams to your office today, I would like to request permission for Yates to begin backfilling the excavation after you have reviewed the submitted documents.

If you have any questions, please contact me.

Thank you.

**Robert Asher**  
**Yates Petroleum Corporation**  
**Office: (575) 748-4217**  
**Cell: (575) 365-4021**  
**Fax: (575) 748-4662**  
**[boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)**



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

## Release Notification and Corrective Action

## OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 <sup>TH</sup> Street	Telephone No. 575-748-1471	
Facility Name Laney AGJ Federal Com. #1	API Number 30-015-26091	Facility Type Battery

Surface Owner Fee	Mineral Owner Federal	Lease No. NM-18481
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## LOCATION OF RELEASE

Unit Letter K	Section 11	Township 18S	Range 24E	Feet from the 1980	North/South Line South	Feet from the 1980	East/West Line West	County Eddy
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Latitude 32.74642 Longitude 104.54369

## NATURE OF RELEASE

Type of Release Oil & Produced Water	Volume of Release 128 B/O & 5 B/PW	Volume Recovered 0 B/O & 0 B/PW
Source of Release Production tank	Date and Hour of Occurrence 5/19/2010, AM	Date and Hour of Discovery 5/19/2010, AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD Artesia	
By Whom? Robert Asher/YPC Environmental	Date and Hour 5/19/2010, PM (voicemail & e-mail)	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		

RECEIVED

JAN 20 2011

NMOCD ARTESIA

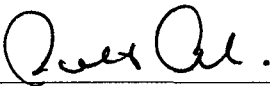
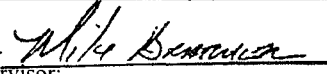

Describe Cause of Problem and Remedial Action Taken.\*

Hole in bottom of production tank.

Describe Area Affected and Cleanup Action Taken.\*

An approximate area of 15' X 15'. No oil or produced water to recover. Production tank to be pulled and vertical/horizontal delineation to determine extent of impacted soils. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX. If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. **Depth to Ground Water: >100' (approx. 350', Section 11, T18S-R24E, per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on analytical results, impacted soils excavated/hailed and site ranking, Yates Petroleum Corporation requests closure.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Signed By  Approved by District Supervisor:	
Title: Environmental Regulatory Agent	Approval Date: 1/26/2011	Expiration Date: N/A
E-mail Address: boba@yatespetroleum.com	Conditions of Approval: N/A 	Attached <input type="checkbox"/>
Date: Thursday, January 20, 2011	Phone: 575-748-4217	2RP-534

\* Attach Additional Sheets If Necessary

**District I**  
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**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 129923

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 129923
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/27/2023