

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



July 29, 2022

Laney AGJ Federal Com #1

**Closure Report** 

30-015-26091

K-11-18S-24E

Eddy County, NM

July 29, 2022

nMLB1014041598

energy opportunity growth

| Laney AGJ<br>Closure Rep<br>#nMLB1014 |                         | July | 29, 2022 |
|---------------------------------------|-------------------------|------|----------|
| I.                                    | Table of Contents       |      | 1        |
| II.                                   | Background              |      | 1        |
| 111.                                  | Scope of Work Completed |      | 1        |
| IV.                                   | Closure Request         |      | 1        |

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#### Appendices:

- Appendix A: Release Notification Email
- Appendix B: NMOCD E-Permitting Page
- Appendix C: Current C-141 Closure Request
- Appendix D: nKMW1035742614 Documents

Laney AGJ Federal Com #1 Closure Report #nMLB1014041598



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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



July 29, 2022

## **Appendix A** Release Notification Email

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#### **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) Lo. Beached at

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July 29, 2022

## **Appendix B** NMOCD E-Permitting Page

energy opportunity growth

**OCD** Permitting

Home Searches Incidents Incident Details

## NMLB1014041598 2010 MAJOR A SPL @ 30-015-26091

| General Incident Ir    | nformation                                     |   |
|------------------------|--|---|
|                        |  |   |
| Site Name:             |  |   |
| Well:                  | [ <u>30-015-26091]</u> LANEY AGJ FED. COM #001 |   |
| Facility:              | <u>50-010-20001</u> LANET AGT ED. CONT#001     |   |
| Operator:              | [328565] BAM Permian Operating, LLC            |   |
| Status:                | Closure Not Approved                           | Severity: Major                           |
|                        | Release Other                                  | Severity: Major<br>Surface Owner: Private |
| Type:<br>District:     | Artesia  | County: Eddy (15)                         |
| District.              |  |   |
| Incident Location:     | F-11-18S-24E 1980 FNL 1980 FWL                 |   |
|                        | 32.7648849,-104.5612106 NAD83                  |   |
| Lat/Long:              | 52.7040043,-104.5012100 NAD05                  |   |
| Directions:            |  |   |
|                        |  |   |
|                        |  |   |
| Notes                  |  |   |
| Source of Referral:    | Industry Rep                                   | Action / Escalation:                      |
|                        |  |   |
| Decelle due Eine       |  | Will or Has Reached Watercourse:          |
| Resulted In Fire:      |  |   |
| Endangered Public H    | lealth:  | Property Or Environmental Damage:         |
| Fresh Water Contami    | ination:                                       |   |
| Tresh water Containin  |  |   |
|                        |  |   |
|                        |  |   |
|                        |  |   |
| Contact Details        |  |   |
| Contact Name:          |  | Contact Title:                            |
|                        |  |   |
| Event Dates            |  |   |
|                        |  |   |
| Date of Discovery:     | 05/19/2010                                     | OCD Notified of Release:                  |
| Extension Date:        | 11/15/2018                                     |   |
| Initial C-141 Received |  | Cancelled Date:                           |
| Characterization Rep   |  | Characterization Report Approved:         |
| Remediation Plan Re    | ceived:  | Remediation Plan Approved:                |
|                        |  | Remediation Due:                          |
| Closure Report Recei   | ived:  | Closure Report Approved:                  |
|                        |  |   |

#### Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Quick Links

- General Incident Information
- <u>Materials</u>
- Events
- Orders

Associated Images

- Incident Files (0)
- Well Files (28)

New Searches

- New Facility Search
- New Incident Search %
- New Operator Search &
- <u>New Spill Search</u>
- New Tank Search %
- New Well Search §

|    |           |                 |            |     | Recovered |     |     |
|----|-----------|-----------------|------------|-----|-----------|-----|-----|
|    | Corrosion | Production Tank | Condensate | 112 | 0         | 112 | BBL |
|    |           |                 |            |     |           |     |     |
| In | cident E  | vents           |            |     |           |     |     |

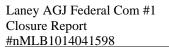
#### Orders

No Orders Found

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220 SIGN-IN HELP

#### Searches **Operator Data** Hearing Fee Application

EMNRD Home OCD Main Page OCD Rules Help





July 29, 2022

# **Appendix C** Current C-141 Closure Request

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| 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)

 $\square$  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.

Page 6

 Printed Name:
 Chase Settle
 Title:
 Rep Safety & Environmental Sr

 Signature:
 Chase Settle
 Date:
 07/29/2022

<sub>email:</sub> Chase\_Settle@eogresources.com

OCD

Telephone: 575-748-1471

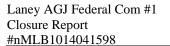
**OCD Only** 

Received by:

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 Maxw | rell           | Title: _ | Environmental Specialist |





July 29, 2022

## Appendix D nKMW1035742614 Documents

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## Received by ACD5-231(30PE-700:01 PM YATES ENGINEERING

FAX NO. 15057484585

Form C-141 Revised October 10, 2003

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

| Ra<br>KMW 1035742614  | elease Notification and Corrective<br>OPERATOR                                |
|---|---|
| District III<br>1000 Rio Bruzos Road, Aztec, NM 87410<br>District IV<br>1220 S. St. Francis Dr., Santa Fe, NM 87505       | Oil Conservation Division<br>1220 South St. Francis Dr.<br>Santa Fe, NM 87505 |
| <u>District 1</u><br>1625 N. French Dr., Hobbs, NM 88240<br><u>District II</u><br>1301 W. Grand Avenue, Artesia, NM 88210 | State of New Mexico<br>Energy Minerals and Natural Resources                  |

#### tion and Corrective Action

| ink | mw 1035742614                 | OPER          | ATOR          | Initial Report | Final Report |
|-----|-------------------------------|---------------|---------------|----------------|--------------|
|     | Name of Company               | OGRID Number  | Contact       |                |              |
|     | Yates Petroleum Corporation   | 25575         | Robert Asher  |                |              |
|     | Address                       |               | Telephone No. |                |              |
|     | 104 S. 4 <sup>TH</sup> Street |               | 575-748-1471  |                |              |
|     | Facility Name                 | API Number    | Facility Type |                |              |
|     | Laney AGJ Federal Com. #1     | 30-015-26091  | Battery       |                |              |
| ſ   | Surface Owner                 | Mineral Owner |               | Lease No.      |              |
|     | Fee                           | Federal       |               | NM-18481       |              |

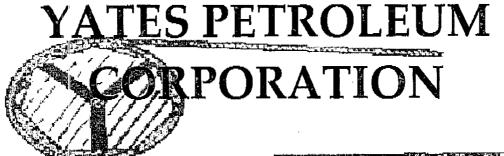
#### LOCATION OF RELEASE

| 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   | Volume of Release Volume Recovered   |  |  |  |  |  |
| Oil & Produced Water  | 128 B/O & 5 B/PW 0 B/O & 0 B/PW  |  |  |  |  |  |
| Source of Release   | Date and Hour of Occurrence Date and Hour of Discovery                           |  |  |  |  |  |
| Production tank   | 5/19/2010, AM 5/19/2010, AM  |  |  |  |  |  |
| Was Immediate Notice Given?   | If YES, To Whom?   |  |  |  |  |  |
| 🛛 Yes 🗍 No 🔲 Not Required   | Mike/Bratcher/NMOCD Artesia  |  |  |  |  |  |
| By Whom?  | Date and Hour  |  |  |  |  |  |
| Robert Asher/YPC Environmental  | 5/19/2010, PM (voicemail & e-mail)   |  |  |  |  |  |
| Was a Watercourse Reached?  | If YES, Volume Impacting the Watercourse.  |  |  |  |  |  |
| 🗋 Yes 🖾 No  | 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  | e 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' (ap   | prox. 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.<br>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 |  |  |  |  |  |  |
| I hereby certify that the information given above is true and complete to t   | he best of my knowledge and understand that pursuant to NMOCD rules and          |  |  |  |  |  |
|   | otifications and perform corrective actions for releases which may endanger      |  |  |  |  |  |
| public health or the environment. The acceptance of a C-141 report by th  | e NMOCD marked as "Final Report" does not relieve the operator of liability      |  |  |  |  |  |
| should their operations have failed to adequately investigate and remediat  | te contamination that pose a threat to ground water, surface water, human health |  |  |  |  |  |
|   | loes not relieve the operator of responsibility for compliance with any other    |  |  |  |  |  |
| federal, state, or local laws and/or regulations.   |  |  |  |  |  |  |
| $\sim$ $\sim$   | OIL CONSERVATION DIVISION  |  |  |  |  |  |
| Signature: Jeen ( J.  |  |  |  |  |  |  |
| signature.  | Signed By M/4 Dressource   |  |  |  |  |  |
| Printed Name: Robert Asher  | Approved by Distrier Supervisor  |  |  |  |  |  |
| 3 Inited Pable: Robert Asilei   |  |  |  |  |  |  |
| Title: Environmental Regulatory Agent   | Approval Date: /////// Expiration Date:  |  |  |  |  |  |
| The Environmental Regulatory Agent  |  |  |  |  |  |  |
| E-mail Address: boba@yatespetrpoleun.com  | Conditions of Approval:  |  |  |  |  |  |
|   | REMEDIATION per OCD Rules and Attached   |  |  |  |  |  |
| Date: Tuesday, May 25, 2010 Phone: 575-748-4217   | REMEDIATION PER OCD MARCO AND  |  |  |  |  |  |
|   | uidelines. SUBMIT REMEDIATION  |  |  |  |  |  |
| DE  | ROPOSAL BY: 2/11/11 2RP-534  |  |  |  |  |  |
| <u>PT</u>   | 1/1/1 $1/1/2 $ $1/1/2$   |  |  |  |  |  |

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## FACSIMILE TRANSMITTAL SHEET

| TO:  | FROM:  |
|--|--|
| Mike Bratcher  | Robert Asher   |
| FAX NUMBER:  | DATE:  |
| 9-748-972(   | Tuesday, May 25, 2010  |
| COMPANY:   | TOTAL NO. OF PAGES INCLUDING COVER:  |
| NMOCD  | . 2  |
| RE:  | NOTES/COMMENTS:  |
| C-141; Laney AGJ Federa  | Com. #1 Initial Report (5/19/2010 Release)   |
|  |  |
|  | 🕐 🔲 PLEASE COMMENT 🖾 PLEASE REPLY 🛛 PLEASE RECYCLE   |
| n per segui de ser a la companya de la companya de<br>La companya de la comp | (a) A set of the |
| ADDITIONAL NOTE: & COMMENTS:   |  |
| A general sector and the sector and the  |  |
| nga (mana ang ang ang ang ang ang ang ang ang  | A share a second se   |

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

Thank you.

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**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

From: Sent: To: Cc: Subject: Bob Asher [BobA@yatespetroleum.com] Friday, January 07, 2011 8:48 AM Bratcher, Mike, EMNRD Jerry Fanning 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, 111 1912-1985

FRANK W. YATES

5.P. YATES



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

JOHN A. YATES JR.

SCOTT M. YATES

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 JAN 2 0 2011 NMOCD ARTESIA

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 approve 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 approve 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.

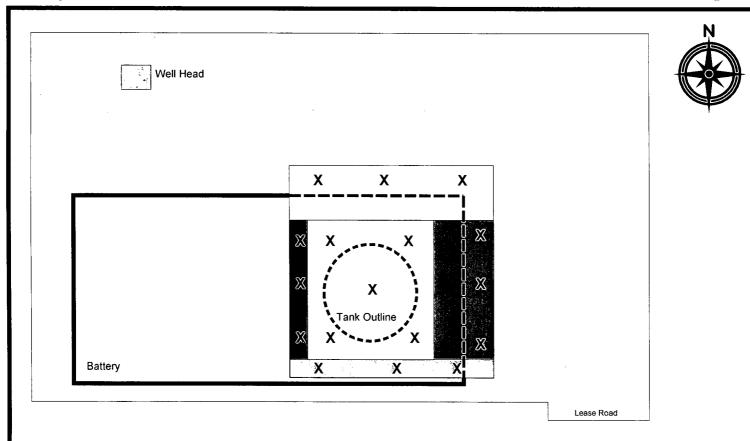
Thank you.

YATES PETROLEUM CORPORATION

UMI

Robert Asher Environmental Regulatory Agent

/rca Enclosure(s)



| Analytical Report-<br>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

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#### Received by OCD: 7/31/2022 7:10:14 PM



### 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 Location: Eddy County      |            |           |        |             |        |            |        | Kepon      | Date.  | 14-3/11-11   |        |        |
|------------------------------------|------------|-----------|--------|-------------|--------|------------|--------|------------|--------|--------------|--------|--------|
|                                    |            |           |        |             | -      |            |        | Project Ma | nager: | Brent Barron | , II   | ······ |
|                                    | Lah Id:    | 403367-   | 001    | 403367-0    | 02     | 403367-    | 003    | 403367-0   | 004    | 403367-      | 005    |        |
| Anglusis Deguested                 | Field Id:  | Comp-18   | .0 TB  | Comp- 16.0  | NSW    | Comp- 16.0 | ) EŞW  | Comp- 16.0 | SSW    | Comp- 16.0   | wsw    | 4      |
| Analysis Requested                 | Depth:     | 18-18     | ft ·   | · 16-16 f   | ì      | 16-16      | ft     | 16-16      | ft     | 16-16        | ft     |        |
|                                    | Matrix:    | SOIL      | -      | SOIL        |        | SOII       | -      | SOIL       |        | SOIL         |        | Į      |
|                                    | Sampled:   | Jan-11-11 | 10:00  | Jan-11-11   | 0:05   | Jan-11-11  | 10:10  | Jan-11-11  | 10:15  | Jan-11-11    | 10:20  | 4      |
| BTEX by EPA 8021B                  | Extracted: | Jan-13-11 | 15:45  | Jan-13-11   | 5:45   | Jan-13-11  | 15:45  | Jan-13-11  | 15:45  | Jan-13-11    | 15:45  |        |
|                                    | Analyzed:  | Jan-14-11 | 08:50  | Jan-14-11 ( | 0:30   | Jan-14-11  | 00:53  | Jan-14-11  | 01:16  | Jan-14-11    | 01:38  |        |
|                                    | Units/RL:  | 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 |        |
| Percent Moisture                   | Extracted: | :         |        |             |        |            |        |            |        |              |        |        |
|                                    | Analyzed:  | Jan-12-11 | 17:00  | Jan-12-11   | 7:00   | Jan-12-11  | 17:00  | Jan-12-11  | 17:00  | Jan-12-11    | 17:00  |        |
| · · ·                              | Units/RL:  | %         | 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   |        |
| TPH By SW8015B Mod                 | Extracted: | Jan-13-11 | 09:30  | Jan-13-11 ( | 9:30   | Jan-13-11  | 09:30  | Jan-13-11  | 09:30  | Jan-13+11    | 09:30  |        |
|                                    | Analyzed:  | Jan-13-11 | 13:53  | Jan-13-11   | 6:20   | Jan-13-11  | 14:53  | Jan-13-11  | 15:23  | Jan-13-11    | 15:51  |        |
|                                    | Units/RL:  | 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   |        |
|                                    |            |           |        |             |        |            |        |            |        |              |        |        |

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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

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

Page 5 of 15

Received by OCD: 7/31/2022 7:10:14 PM

## **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.

 $\mathbf{J}$  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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## **XENCO-Environmental Lab of Texas**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

|  |                                       |                    |              |                                       | 1. A. |               |                       | Od         | essa             | ı, Te      | xas 7   | 9765  | 5  |                             |  |                       |                      |                                     |   | Fa                              | ix:   | 432                     | -563                         | i-17'        | 13            |                             |                |                                       |            |
|--|---------------------------------------|--------------------|--------------|---------------------------------------|---|---------------|-----------------------|------------|------------------|------------|---------|---|--|-----------------------------|--|-----------------------|----------------------|-------------------------------------|---|---------------------------------|---|-------------------------|------------------------------|--------------|---------------|-----------------------------|----------------|---------------------------------------|------------|
|  | Project Manager: Robert Asher         |                    |              |                                       |   |               |                       |            |                  |            |         |   |  |                             | Pro  | oject                 | Nar                  | ne: ]                               | Lan   | ey                              | AG  | JF                      | ede                          | eral         | <u>  C</u>    | om                          | . #1           |                                       |            |
|  | Company Name Yates Petroleum Corpora  | ation              | : `          |                                       |   | ;             |                       |            |                  |            | <u></u> |   | · ·  |                             |  | Pr                    | ojec                 | t #: <u>-</u>                       | 30-0  | 15-2                            | 609   | 1                       |                              |              |               |                             |                |                                       |            |
|  | Company Address: 105 South 4th Street |                    | ,            |                                       | · · · · · · · · · · · · · · · · · · ·     |               | :                     |            |                  |            |         |   | <u>.                                    </u> | • .                         | F  | roje                  | ct L                 | oc: _E                              | Eddy  | Cour                            | nty   |                         |                              |              |               |                             |                |                                       |            |
|  | City/State/Zip: Artesia, NM 88210     |                    |              |                                       |   |               |                       |            |                  |            |         | ·- ·  |  | _                           | •  |                       | PC                   | )#: <u>1</u>                        | 0563  | 32                              |   |                         |                              |              |               |                             |                |                                       |            |
|  | Telephone No: 575-718-4217            |                    |              |                                       | Fax No:                                   |               | 575                   | 5-748      | 3-466            | 3 <u>2</u> |         |   |  |                             | Repor  | t For                 | mat                  | : [                                 | s   | tanda                           | ard   | ,<br>,                  |                              | TRR          | ۱P            | Γ                           |                | PDES                                  | ;          |
|  | Sampler Signature:                    | •                  |              |                                       | e-mail;                                   |               |                       | b          | oba              | @ya        | tespe   | etrol   | eum.c  | com                         |  |                       |                      | _                                   |   |                                 | <del></del>                                 |                         |                              |              |               |                             | <u> </u>       |                                       | •          |
| (lab use                               | only)                                 |                    |              |                                       |   |               |                       |            |                  |            |         |   |  |                             |  | E                     |                      |                                     | TCL   | P:                              |   | ze Fo                   | >r:                          |              | Т             | T                           | <u> </u>       | ا ۽ ا                                 | ĺ          |
| ORDEF                                  | x #: 403367                           |                    |              |                                       |   |               |                       | <b>—</b> , | Prese            | vation     | 8#0     | Cont  | ainers                                       | Τ                           | Matrix   |                       |                      |                                     |   | +                               | ╞   | ┝┤                      | 0                            |              |               |                             |                | 48, 72 h                              |            |
| AB # (lab use only)                    |                                       | Beginning Depth    | Ending Depth | Date Sampled                          | Time Sampled                              | ield Filtered | otal #. ul Containers |            | HNO <sub>3</sub> |            | NaOH    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | None<br>Other ( Snerify)                     | DW=Drinking Water SL=Sludge | GW ≖ Groundwater S≖Sow/Solid<br>NP=Non-Potable Specify Other | TPH: 418.1 8015M 8015 | TPH: TX 1005 TX 1006 | Cations (Ca. Mg. Na. K)             | Amons (CI, SO4, Akalinity)<br>SAR / ESD / CEC | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles .                                 | Semivolatiles           | BTEX 8021B/5030 or 81EX 8260 | 5            | N.O.R.M.      | Chlorides                   |                | RUSH TAT (Pre-Schedule) 24.48, 72 hrs | andard TAT |
|  | FIELD CODE                            |                    |              | · · · · · · · · · · · · · · · · · · · |   | та<br>Ш       |                       |            | Í                | Ē          | ÊŽ      | N   | žč   |                             | _  |                       | ₽                    | S.                                  | a s   | ž                               | 8   | ŝ                       | _                            | ВĊ<br>ЧС     | ž             | 박                           | +-             | Ĩ                                     |            |
|  | Comp-18.0 TB                          | 18'                | 18'          | 1/11/2011                             | 10:00 AM                                  |               | 1                     | X<br>X     | -                |            |         | $\left  \cdot \right $                        |  | ╉                           | <u>s</u>   | X<br>X                |                      | -+                                  |   | +-                              | +   | ┢┤                      | X<br>X                       | -+           | +             | +                           |                | ╂╌┨                                   | X<br>X     |
| <b> </b>                               | Comp-16.0 NSW<br>Comp-16.0 ESW        | 16'<br>16'         | 16'<br>16'   | 1/11/2011<br>1/11/2011                | 10:05 AM<br>10:10 AM                      |               |                       |            | -                | -          | +       |   |  | ╈                           | <u>s</u> .   | Â                     |                      |                                     | -  -  | +-                              | +   | ┝╌┥                     | x                            | +            | +             | -+                          | +-             | 11                                    | x          |
|  | Comp-16.0 SSW                         | 16'                | 16'          | 1/11/2011                             | 10:15 AM                                  |               |                       | x          | -                | 1          |         |   |  | T                           | S  | x                     |                      |                                     |   | T                               | 1   |                         | x                            | 1            | 1             | I                           |                | $\Box$                                | X          |
|  | Comp-16.0 WSW                         | 16'                | 16'          | 1/11/2011                             | 10:20 AM                                  |               |                       | х          |                  |            |         | ŀ   |  |                             | S  | x                     |                      |                                     |   | Τ                               |   |                         | x                            | $\Box$       |               | $\Box$                      |                | $\Box$                                | х          |
|  |                                       | 1:                 |              |                                       |   |               |                       |            |                  |            |         |   |  | Ŀ                           | . <u> </u>   |                       |                      | _                                   |   |                                 | <u> </u>                                    |                         | $\downarrow$                 | $\downarrow$ | $\downarrow$  |                             | $\perp$        | ┶┙                                    | $\square$  |
|  |                                       | <u> </u>           |              |                                       |   |               |                       |            |                  | _          | ·       |   |  | ╞                           |  |                       |                      | -                                   | +   | +-                              | $\square$                                   | $\vdash$                |                              | +            | 4             | _                           | ╼┼╧            | + - 1                                 | $\vdash$   |
|  |                                       | <u> </u>           |              |                                       |   | $\dashv$      |                       |            |                  |            |         | ┝╌┤   |  | ╀                           |  |                       | - +                  | -+-                                 | - <u> </u> -                                  | +-                              | <u>   </u>                                  | ┝╌┤                     | $\rightarrow$                | +            | $\rightarrow$ | +                           | +-             | +                                     | $\vdash$   |
|  | · · · · · · · · · · · · · · · · · · · | +                  |              | ·                                     |   | _             | -                     | -          | +                | ┿          |         | $\left  \cdot \right $                        | -+-  | ÷                           |  | $\mathbb{H}$          | -                    | +                                   | +   | ┿                               | ┢┤  | $\left\{ - \right\}$    | +                            | +            | +             | +                           | - <del> </del> |                                       | Н          |
|  |                                       | +                  |              |                                       |   |               | -                     |            |                  | +          | +-      | $\left  - \right $                            |  | ╋                           |  | ╞╌┤                   | -+                   | +                                   | +   | ╇╌                              | ╄┥  | ┝─┼                     | -+                           | +            | ÷             | +                           | ┿              | +                                     |            |
|  |                                       | 1                  |              |                                       |   | $\dashv$      |                       |            | 1                |            |         |   | -  | ϯ                           |  |                       | -†                   | +                                   | ╞   | $\uparrow$                      |   | $\vdash$                |                              | +            | +             | 十                           | +              |                                       | Π          |
|  |                                       |                    |              |                                       |   |               |                       |            |                  |            |         |   | -  |                             |  |                       |                      |                                     |   |                                 | $\Box$                                      |                         |                              |              |               |                             |                |                                       |            |
|  |                                       |                    |              |                                       |   |               |                       |            |                  |            |         |   |  |                             |  |                       |                      |                                     |   |                                 |   |                         |                              |              |               |                             |                |                                       | Ц          |
| Special Ir                             | nstructions: TPH: 8015B & E           | BTEX:              | 8021E        | I. Please sh                          | ow ALL result                             | s as          | s m                   | g/kg       | ι. Τ             | hank       | ( you   | •   |  |                             |  |                       |                      | Sami                                | ole C   | ontai                           | iners                                       | ients<br>Intac<br>dspac | ct?                          |              | ¢             | $\langle \tilde{q} \rangle$ | P,             | z z z                                 | 9          |
| Relinquish<br>Robert Asl<br>Relinquish | O                                     | Tir<br>2:33<br>Tir | РМ           | Received by:                          |   |               | -                     |            | -                |            | · · ·   |   |  | ate                         |  | Time                  |                      | Labe<br>Custo<br>Custo<br>Samp<br>b | is on<br>ody s<br>ody s<br>ole H<br>y Sar     | cont<br>eals<br>eals<br>and [   | ainer<br>on co<br>on co<br>Delivi<br>/Clier |                         | iner(:<br>r(s)<br>i<br>p. ?  | s)<br>DHL    | 1             |                             |                |                                       |            |
| Relinquish                             | ed by: Date                           | Tir                | ne           | Received by ELC                       | Muldocs                                   | k             |                       |            |                  | 1          | •       |   | D<br>1-1:2-                                  | ate<br>[]                   |  | Time                  | ÷                    |                                     | •   |                                 |   | Rece                    |                              |              |               |                             |                | <u>°</u> С                            |            |

12600 West I-20 East

aina. 2/27/2022 11.21.19 AM

oratories

#### **XENCO** Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

| Document Title: Sample Re   | ceipt Checklist |
|-----------------------------|-----------------|
| Document No.: SYS-SRC       | •               |
| Revision/Date: No. 01, 5/27 | 7/2010          |
| Effective Date: 6/1/2010    | Page 1 of 1     |

Phoenix, San Antonio, Tampa

## Prelogin / Nonconformance Report - Sample Log-In

| client: lates Petroleum Corporation |   |
|-------------------------------------|---|
| Date/Time: 1-12-10 11:30            | * |
| Lab ID #: 403367                    |   |
| Initials: 2M                        |   |

#### Sample Receipt Checklist

| 1. Samples on ice?  | Blue       | Water | No          | <u>.</u>   |
|---|------------|-------|-------------|--|
| 2. Shipping container in good condition?                            | Fes        | No    | None        |  |
| 3. Custody seals intact on shipping container (cooler) and pottles? | Tes        | No    | N/A         |  |
| 4. Chain of Custody present?  | (Yes)      | No    |             |  |
| 5. Sample instructions complete on chain of custody?                | Yes        | No    |             |  |
| 6. Any missing / extra samples?                                     | Yes        | No    | . ~.,       | 1.5  |
| 7. Chain of custody signed when relinquished / received?            | Yes        | No    |             |  |
| 8. Chain of custody agrees with sample label(s)?                    | Yes        | No    | ·           |  |
| 9. Container labels legible and intact?                             | Yes        | No    |             | <u> </u>   |
| 10. Sample matrix / properties agree with chain of custody?         | Tes        | No    |             | 1. <u>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</u> |
| 11. Samples in proper container / bottle?                           | Tes        | ·· No |             | in the second                                      |
| 12. Samples properly preserved?                                     | Yest       | No    | N/A         |  |
| 13. Sample container intact?  | Yes        | No    |             | and a second                                       |
| 14. Sufficient sample amount for indicated test(s)?                 | Yes        | No    |             | -  |
| 15. All samples received within sufficient hold time?               | Yes        | No    |             |  |
| 16. Subcontract of sample(s)?                                       | Yes        | No    | N/A         |  |
| 17. VOC sample have zero head space?                                | Yes        | No    | NAS         |  |
| 18. Cooler 1 No. Cooler 2 No. Cooler 3 No.                          | Cooler 4 N | o     | Cooler 5 No | •  |
|   | C lbs      | °c    | lbs         | °C   |

#### **Nonconformance Documentation**

| Contact:              | Contacted by:   |                  | Date/Time: | · · · · |
|-----------------------|---|------------------|------------|---------|
| Regarding:            |   |                  |            |         |
| Regarding:            | · · · · · · · · · · · · · · · · · · ·   | ······           |            |         |
|                       |   |                  |            |         |
| Corrective Action Tak | (en:  |                  | ,          |         |
|                       |   |                  |            |         |
|                       |   |                  |            |         |
| e                     |   |                  |            |         |
| Check all that apply: | □ Cooling process has begun shortly<br>condition acceptable by NELA<br>□ Initial and Backun Temperature con | C 5.5.8.3.1.a.1. | -          | re      |

□ Client understands and would like to proceed with analysis

.

Comp-160.SSW

Comp-16.0 WSW

Analytical Report-

402132

South Side Wall

West Side Wall

Sample Area

RPORATION

Well Head

TOTAL

4040

ND

7600

ND

ND

TOTAL

ND

Х X Lease Road Analytical Report-Sample Area Sample Type Sample Date Depth BTEX GRO DRO 399757 Comp-18.0 T/B Bottom 12/7/2010 Comp/Shovel 1' (18' BSL) 23.401 1690 2350 Comp-16.0 NSW North Side Wall 12/7/2010 Comp/Shovel 16' BSL 0.176 ND ND Comp-16.0 ESW East Side Wall 12/7/2010 Comp/Shovel 16' BSL 27.560 3040 4560

Comp/Shovel

Comp/Shovel

Sample Type

16' BSL

16' BSL

Depth

ND

ND

BTEX

ND

ND

GRO

 Comp-10.0 ESW
 East Side Wall
 12/28/2010
 Comp/Shovel
 16' BSL
 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

12/7/2010

12/7/2010

Sample Date



30-015-26091

Section 11, T18S-R24E

Eddy County, NM

SAMPLE DIAGRAM (Not to Scale) Xenco Report #: 399757 Report Date: 12/13/2010

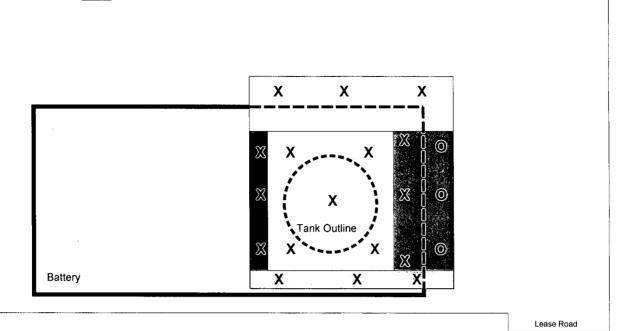
ND

ND

DRO

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    |

. .

Page 3 of 14

#### 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

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Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-26091 Contact: Robert Asher Project Location: Eddy County Project Name: Laney AGJ Federal # 1
Date Received in Lab: Thu Dec-30-10 09:30 am
Report Date: 04-JAN-11
Project Manager: Brent Barron, II
Lab Id: 402132-001
Field Id: Comm 16 0 ESW

|                                    | Lab Id:    | 402132-001      |                                       |   |  |        |
|------------------------------------|------------|-----------------|---------------------------------------|---|--|--------|
| Analysis Requested                 | Field Id:  | Comp-16.0 ESW   | · · · · · ·                           |   |  |        |
| Analysis Kequestea                 | Depth:     | 16-16 ft        |                                       |   |  |        |
|                                    | Matrix:    | SOIL            |                                       |   |  |        |
|                                    | Sampled:   | Dec-28-10 10:54 |                                       | . *   |  |        |
| BTEX by EPA 8021                   | Extracted: | Dec-30-10 11:59 |                                       |   |  |        |
|                                    | Analyzed:  | Dec-30-10 13:54 |                                       |   |  |        |
| ·                                  | Units/RL:  | mg/kg RL        | · · · · · · · · · · · · · · · · · · · |   |  |        |
| Benzene                            |            | ND 0.0010       | a de la                               |   |  |        |
| Toluene                            |            | ND 0.0020       |                                       |   |  |        |
| Ethylbenzene                       |            | ND 0.0010       |                                       |   |  |        |
| m,p-Xylenes                        |            | ND 0.0020       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |   |  |        |
| o-Xylene                           |            | ND 0.0010       | - 1 Pr []                             |   |  |        |
| Xylenes, Total                     |            | ND 0.0010       |                                       |   |  |        |
| Total BTEX                         |            | ND 0.0010       |                                       |   |  |        |
| Percent Moisture                   | Extracted: |                 |                                       |   |  |        |
|                                    | Analyzed:  | Dec-30-10 11:00 |                                       |   |  |        |
|                                    | Units/RL:  | % RL            |                                       |   |  |        |
| Percent Moisture                   |            | 2.56 1.00       | · · · ·                               |   |  | 4.<br> |
| TPH by SW 8015B                    | Extracted: | Jan-03-11 12:00 |                                       |   |  |        |
|                                    | Analyzed:  | Jan-03-11 19:12 |                                       | · · · ·   |  |        |
|                                    | Units/RL:  | mg/kg RL        |                                       | 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - |  |        |
| 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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Page 5 of 14

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

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Received by OCD: 7/31/2022 7:10:14 PM



## **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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Page 6 of 14

Received by OCD: 7/31/2022 7:10:14 PM

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Final 1.000

#### Page 35 of 82

| XEI                               | NCO-Environm               | nental                                | Lal             | 00           | fTexa        | S     |              |                        | •                      | 1260<br>Odes |      | est i-                         | 20 E                   | ast   | cus                    | STO    | DY RI    | ECO          | RD                   | AN  | D AI                          | Pho                             | one:                          | 432   | 2-563                        | JES7<br> -180 <br> -171; | 0            |              |                             |
|-----------------------------------|----------------------------|---------------------------------------|-----------------|--------------|--------------|-------|--------------|------------------------|------------------------|--------------|------|--------------------------------|------------------------|---|------------------------|--------|----------|--------------|----------------------|---|-------------------------------|---------------------------------|-------------------------------|---|------------------------------|--------------------------|--------------|--------------|-----------------------------|
|                                   | Project Manager: Robert As | her                                   |                 |              |              |       |              |                        | _                      |              |      |                                |                        |   |                        | _      | Pro      | ject         | Nan                  | ne: <u> </u>  | an                            | ey /                            | AG                            | J F   | ede                          | ral                      | #1           |              |                             |
|                                   | Company Name Yates Peter   | oleum Corpora                         | tion            |              | <u>.</u>     |       |              |                        |                        | ·            |      |                                |                        |   |                        | _      |          | Pro          | ject                 | #: 3  | 0-01                          | 5-2                             | 6 <u>09</u>                   | 1   |                              |                          |              |              |                             |
|                                   | Company Address: 105 South | 4th Street                            |                 |              |              |       |              |                        |                        | •            |      |                                |                        |   |                        |        | Р        | rojec        | t Lo                 | oc: E   | ddy (                         | Cour                            | nty                           |   |                              |                          |              |              |                             |
|                                   | City/State/Zip: Artesia, N | M 88210                               |                 |              |              |       | · .          | : -                    |                        |              |      |                                |                        |   |                        |        |          |              | PO                   | #: 1  | 0563                          | 2                               |                               |   |                              |                          |              |              |                             |
|                                   | Telephone No: 575-748-4    | 217                                   |                 |              |              |       | Fax No       | ).                     | 575                    | 5-748-4      | 4662 | 2                              |                        |   |                        | -<br>F | Report   | Forr         | nat:                 |   | Sta                           | anda                            | ird                           |   |                              | TRRP                     |              | <u></u> N    | PDI                         |
|                                   | Sampler Signature:         | 10                                    | ),              | •            |              | -     | e-mail       | • .                    |                        |              |      |                                | spet                   | roleu   | m.co                   | -      |          |              |                      | _   | _                             |                                 |                               |   |                              |                          |              |              |                             |
| ab use o                          |                            |                                       |                 |              |              | -     | -            | · ·                    |                        | · · ·        |      |                                |                        | •   |                        |        |          |              |                      |   | TCLP                          |                                 | naly.                         | ze Fo   | or:                          | <br>                     | <br>         |              | T                           |
| RDER                              |                            |                                       |                 |              |              |       |              | ţ.                     |                        | Dee          |      | tion 9                         |                        | ontain  |                        | I M    | atrix    |              |                      |   | OTAL                          |                                 |                               |   | E                            |                          |              |              | 48 72 hrs                   |
| AB # (lab use only)               | FIELD CODE                 |                                       | Beginning Depth | Ending Depth | Date Sampled |       | Time Sampled | field Filtered         | fotal #. of Containers | lce<br>HNO.  | HCI  | H <sub>2</sub> SO <sub>4</sub> | NaOH                   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>None | Other ( Specify)       | •      | 0 5 1    | 418.1 8015   | TPH: TX 1005 TX 1006 | Cations (Ca, Mg, Na, K)<br>Anions (Ci, SCM, Alkalinitud | SAR / ESP / CEC               | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles                     | Semivolatites                                     | BTEX 8021B/5030 or BTEX 8260 | RGI<br>N.O.R.M.          | Chlorides    |              | RUSH TAT (Pre-Schediule) 24 |
| 21                                | Comp-16.0 ESW              | /                                     | 16'             | 16'          | 12/28/2010   | 10:   | 54 AM        |                        | 1                      | x            |      |                                |                        |   |                        | í –    | s        | x            | 1                    | T   | T                             |                                 |                               | $\square$   | x                            | 1                        | $\square$    |              | Í                           |
| [                                 |                            |                                       | <b> </b>        | <b></b>      |              |       | <del>.</del> | $\left  \right $       | -                      |              | +-   |                                | $\square$              |   | +                      |        |          |              | -                    |   | -                             |                                 |                               |   | -+                           |                          | ┟╌┤          |              | ╀                           |
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|                                   |                            | <u>-</u>                              |                 |              | ·            | • •   |              | 1                      |                        |              | _    | -                              |                        | ·   | -                      |        |          | -+           | +                    |   | +                             | $\vdash$                        |                               |   |                              | +-                       | ╉╾╂          |              | ╀                           |
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|                                   |                            |                                       |                 |              |              |       |              |                        | -1                     |              |      |                                |                        |   |                        |        |          |              |                      |   |                               |                                 |                               |   |                              |                          |              | 1            | t                           |
|                                   |                            | · · · · · · · · · · · · · · · · · · · |                 |              |              |       |              |                        |                        | <u> </u>     |      |                                | -                      | -   |                        |        |          |              | 1                    |   | _                             |                                 |                               | _   | 4                            | $\perp$                  | $\downarrow$ |              | L                           |
|                                   |                            |                                       |                 |              |              |       |              | $\left  \cdot \right $ | -                      |              | +    | +                              |                        | -   | <u> </u>               | ·      |          |              | +                    | +-  | +                             | $\left  - \right $              |                               | +   | +                            | ╇                        | ┝┼           | <del> </del> | ╀                           |
| $\rightarrow$                     |                            |                                       | · · · · · ·     |              |              |       |              | ┼┦                     | ╉                      |              | +    | +                              |                        | +   | $\left  \cdot \right $ |        | -+       | +            | ╉                    | +-  | +                             | ┝╶┤                             | -+                            | ╶┼  |                              | +                        | ╞╌┼          | +-           | f                           |
|                                   |                            |                                       |                 |              |              | ÷.,   | -            |                        | 1                      |              |      |                                |                        |   |                        |        |          |              |                      |   |                               |                                 |                               |   |                              |                          |              |              | Γ                           |
| ecial In<br>linquishe<br>bert Ash | d by:                      | Date<br>12/29/10                      |                 | ne           | Received by: | ow Al | L resul      | ts as                  | s mg                   | j/kg.        | Tha  | ank y                          | ou.                    |   | Da                     | te     |          | īme          | 01 < S               | ampl<br>OCs<br>abels<br>ustor                           | e Co<br>Free<br>on c<br>dy se | ntain<br>of H<br>ionta<br>als o | iers<br>lead<br>iner<br>in co | ents:<br>Intac<br>spac<br>(s)<br>ontair<br>xoler( | xt?<br>:e?<br>ner(s)         | )                        |              | Right        | 22222                       |
| linquishe                         |                            | Date                                  | Tir             | ne           | Received by: |       |              |                        |                        |              |      |                                |                        | +-  | Dat                    | te     | <b>†</b> | ime          |                      | ampi  | e Hai<br>Sami                 | nd D                            | elive                         | ered  | -                            |                          | 308          |              | N                           |

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XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

| ocument Title: Sample Receipt Checklist |
|---|
| ocument No.: SYS-SRC                    |
| evision/Date: No. 01, 5/27/2010         |

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

## Prelogin / Nonconformance Report - Sample Log-In

| Client:    | lates | Petrol | Cum   |          |
|------------|-------|--------|-------|----------|
| Date/Time: | 12    | 30:10  | 9:30  |          |
| Lab ID # : |       | 4021   | 32    |          |
| Initials:  |       | AE     | /<br> | <u> </u> |

Sample Receipt Checklist

| 1. Samples on ice?  | Blue       | Water     | No          | 1  |
|---|------------|-----------|-------------|--|
| 2. Shipping container in good condition?                            | Yes        | No<br>No  | None        |  |
| 3. Custody seals intact on shipping container (cooler) and bottles? | Yes        |           | N/A         |  |
| 4. Chain of Custody present?  | Yes        | No        |             |  |
| 5. Sample instructions complete on chain of custody?                | Yes        | No        |             |  |
| 6. Any missing / extra samples?                                     | Yes        | No        |             |  |
| 7. Chain of custody signed when relinquished / received?            | Yes        | No        |             | a set with   |
| 8. Chain of custody agrees with sample label(s)?                    | Yes        | No        |             |  |
| 9. Container labels legible and intact?                             | (Yes)      | No        |             | and State And  |
| 10. Sample matrix / properties agree with chain of custody?         | (Yes)      | No        |             | the second second second   |
| 11. Samples in proper container / bottle?                           | (Yes)      | No        |             | i madmada ta m   |
| 12. Samples property preserved?                                     | Yes)       | No.       | N/A 33      | S. CAMER COLLES  |
| 13. Sample container intact?  | (Yes)      | No        |             | Lives Agenting   |
| 14. Sufficient sample amount for indicated test(s)?                 |            | No        |             | and the second |
| 15. All samples received within sufficient hold time?               |            | No        |             |  |
| 16. Subcontract of sample(s)?                                       |            | No        | (NA)        | - 225 M  |
| 17. VOC sample have zero head space?                                |            | No        | NA          |  |
| 18. Cooler 1 No. Cooler 2 No. Cooler 3 No.                          | Cooler 4 N | <b>D.</b> | Cooler 5 No | ······································   |
| ibs 3. Coc libs oc libs   | °C ibs     | 0         | C lbs       | °c   |

| <b></b> .      | -                          |
|----------------|----------------------------|
|                | Bassien and the fit and    |
| IN NH THEFT    | LINCUMANTORAN              |
| Nonconformance | <b>L'ACTIONE DE LA COM</b> |
|                |                            |

| Contact:                              | Contacted by: |  |                   | _ Date/Time | ): |                                       |  |
|---------------------------------------|---------------|--|-------------------|-------------|----|---------------------------------------|--|
| Regarding:                            | · .           |  | 1. <sup>1</sup> . |             |    | . *                                   |  |
| ·                                     |               |  |                   |             |    | <del></del>                           |  |
| Corrective Action Taken:              |               |  |                   |             |    |                                       |  |
| •                                     |               |  |                   |             |    |                                       |  |
|                                       |               |  |                   | • •         |    | · · · · · · · · · · · · · · · · · · · |  |
| · · · · · · · · · · · · · · · · · · · |               |  |                   | ·           |    |                                       |  |
|                                       |               |  |                   |             |    |                                       |  |

ling 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



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), 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)

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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 reanalysis. 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

Project Name: Laney AGJ Federal #1

Yates Petroleum Corporation, Artesia, NM

sinelao

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

| Foject Location: Eddy County       |            |                 |                 |                 | <b>Project Manager:</b> | Brent Barron, II |                                       |
|------------------------------------|------------|-----------------|-----------------|-----------------|-------------------------|------------------|---------------------------------------|
|                                    | Lab Id:    | 399757-001      | 399757-002      | 399757-003      | 399757-004              | 399757-005       | -                                     |
| Annalise Demonstrat                | Field Id:  | Comp-18.0 TB    | Comp-16.0 NSW   | Comp-16.0 ESW   | Comp-16.0 SSW           | Comp-16.0 WSW    |                                       |
| Analysis Requested                 | Depth:     | 12-12 ft        | 14-14 ft        | 16-16 ft        | 8-8 ft                  | . 8-8 ft         |                                       |
|                                    | Matrix:    | SOIL            | SOIL            | SOIL            | SOIL                    | SOIL             |                                       |
|                                    | Sampled:   | 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  |                                       |
| BTEX by EPA 8021                   | Extracted: | 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  |                                       |
|                                    | Analyzed:  | 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  |                                       |
|                                    | Units/RL:  | 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                            | 1          | 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        |                                       |
| Percent Moisture                   | Extracted: |                 |                 |                 |                         |                  |                                       |
|                                    | Analyzed:  | 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  |                                       |
|                                    | Units/RL:  | % 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        | - <u></u>                             |
| TPH by SW 8015B                    | Extracted: | 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  |                                       |
|                                    | Analyzed:  | 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  |                                       |
|                                    | Units/RL:  | 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          |                                       |

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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

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- 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

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

\* Outside XENCO's scope of NELAC Accreditation.

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|------------------------|--------------------|---------------------------------------|-----------------|--------------|-----------------|--------------|----------------|------------------------|----------|-------------|--------|--------------------|-----------------------|--------|------------------|------------|--|-------------|----------------------|-----------------------------|----------------------------------|---------------------------------|-----------------------|--------------------------------|------------------------------|-------------|-----------------------|--------|----------|----------------------------|
|                        | Project Manager:   | Robert Asher                          |                 |              |                 |              |                |                        |          |             |        |                    |                       |        |                  | <b>.</b> . | Pr   | oject       | Nan                  | 1e: [                       | an                               | ey .                            | AG                    | J F                            | ede                          | ral         | #1                    |        |          |                            |
|                        | Company Name       | Yates Petroleum Corpora               | tion            |              |                 |              |                | •                      | ÷ .      | :           |        |                    |                       |        |                  | -          |  | · Pr        | oject                | #: 3                        | 0-0                              | 15-2                            | 609                   | 1                              |                              |             |                       |        |          |                            |
|                        | Company Address:   | 105 South 4th Street                  |                 |              |                 |              |                |                        |          |             |        |                    |                       |        |                  |            | F  | roje        | ct Lo                | c: E                        | ddy                              | Cour                            | ntv                   |                                |                              |             |                       |        |          |                            |
|                        | City/State/Zip:    | Artesia, NM 88210                     |                 |              |                 |              |                | :                      |          |             |        |                    |                       |        |                  | • ,        |  |             |                      | #: 1                        |                                  |                                 |                       |                                |                              |             |                       |        |          |                            |
|                        |                    |                                       | ·               |              | - <u>-</u>      |              |                |                        |          |             |        |                    |                       |        |                  | -          |  | _           |                      | -                           | st                               |                                 |                       | <b></b>                        | ı                            |             |                       |        |          |                            |
|                        | Telephone No:      | 575-748-4217                          |                 |              |                 | Fax No:      |                | 575                    |          | <u>8-46</u> |        |                    |                       |        |                  | •          | epor   | t For       | mat:                 | Ľ                           | <u> </u>                         | anda                            | ſ                     | 1                              | ! I                          | IKKF        | 2                     | L      | NP       | JES                        |
| ;                      | Sampler Signature: | (kert)                                | <u>v</u>        | •            |                 | e-mail:      |                |                        |          | oba         | @y     | ates               | spetro                | oleu   | m.co             | <u></u>    |  |             |                      |                             |                                  | A                               | naly                  | ze Fo                          | or:                          |             | <u>.</u>              |        |          |                            |
| b use o                |                    |                                       | •               |              | • •             |              |                |                        |          |             |        |                    |                       |        |                  |            |  | F           |                      |                             | TCLF                             |                                 |                       | Π                              | $\neg$                       |             |                       |        | $\Box$   | hrs                        |
| RDER                   | <u>#: 399757</u>   | <u> </u>                              |                 |              | ÷               | T            | <u> </u>       | -                      |          | Prese       | rvatio | on.8.#             | ¢ of Ça               | ntaine | irs<br>T         | Ma         | atrix  | 8015B       |                      |                             | Τ                                | Se                              |                       |                                | 260                          |             |                       |        |          | 24, 48, 72 hrs             |
| AB # (lab use only)    | FIEL               | .D CODE                               | Beginning Depth | Ending Depth | Date Sampled    | Time Sampled | field Fittered | fotal #. of Containers | lce      | HNO3        | ЧĊ     | H <sub>2</sub> SO, | NaOH<br>Na-S-O-       | None   | Other ( Specify) |            | GV = Groundwater S=Sol/Solid<br>NP=Non-Potable Specify Other | 418.1 B015M | TPH: TX 1005 TX 1006 | Cations (Ca, Mg, Na, K)     | SAR / ESP / CEC                  | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles             | Serrivolatiles                 | BTEX 80218/5030 or BTEX 8260 | RCI<br>NORM | N.U.K.M.<br>Chlorides | 600.00 |          | RUSH TAT (Pre-Schedule) 24 |
|                        | Com                | p-18.0 TB                             | 12'             | 12'          | 12/7/2010       | 10:43 AM     |                |                        | х        |             |        |                    |                       |        |                  |            | <u>s</u>   | x           |                      |                             |                                  |                                 |                       | <b>I I</b>                     | x                            |             | T                     |        | $\Box$   |                            |
|                        | Comp               | 16.0 NSW                              | 14'             | 14'          | 12/7/2010       | 10:48 AM     |                |                        | х        |             |        |                    |                       |        | L_               |            | <u>s</u>   | x           | _                    | _                           |                                  | Ļ                               |                       |                                | x                            |             | $\perp$               |        |          |                            |
|                        |                    | -16.0 ESW                             | 16'             | 16'          | 12/7/2010       | 10:52 AM     | ļ              |                        | х        |             |        | -                  |                       | _      |                  |            | <u>s</u>   | X           | _                    |                             | +                                |                                 |                       |                                | X                            |             |                       | +      | ┝╌┨      |                            |
|                        |                    | -16.0 SSW                             | 8'              | 8'           | 12/7/2010       | 10:58 AM     | -              |                        | X        |             | -      |                    |                       |        | +                |            | <u>s</u>   | X           |                      |                             | ╇                                | ╞                               |                       | 1-1                            | X                            | +           | +                     |        | ┝╌┨      |                            |
|                        | Comp-              | 16.0 WSW                              | 8'              | 8'           | 12/7/2010       | 11:04 AM     | ŀ              | 1                      | <u>^</u> | $\vdash$    |        | $\vdash$           | +-                    | +      | ┢                |            | s  | X           | +                    | +                           | +                                | +                               | $\vdash$              | ŀł                             | ×                            | ┿           | +                     | ╋      | $\vdash$ |                            |
|                        |                    |                                       | +               |              |                 |              |                | _                      |          |             |        | -                  |                       | -      | ┢                |            |  |             |                      | ╈                           | 1                                | 1-                              |                       | $\square$                      |                              |             | +                     | +      |          |                            |
|                        |                    |                                       |                 |              |                 |              |                |                        |          |             |        |                    |                       |        |                  |            | •  |             |                      |                             |                                  |                                 |                       | $\Box$                         | $\Box$                       |             | $\Box$                |        | $\Box$   |                            |
|                        | ·····              | <u></u>                               | ļ               |              |                 |              |                |                        |          |             |        |                    |                       | _      | $\square$        |            |  |             |                      |                             | 1-                               | ļ                               |                       | j                              | _                            | 4           | $\downarrow$          | 1      | $\vdash$ | _                          |
|                        | <u></u>            |                                       |                 | <u>`</u>     |                 |              | -              |                        |          |             | _      |                    |                       |        |                  |            |  |             | +                    | +                           | +                                | -                               |                       | ┝─┤                            |                              | +           | +                     |        | ┝╌╂      |                            |
|                        | ·····              | · · · · · · · · · · · · · · · · · · · |                 |              | · · · · · · ·   | ·            |                |                        | 1        |             | -      |                    |                       | ╎      | ŀ                |            |  |             | -+                   | +-                          | +-                               | $\vdash$                        |                       | ┝─┼                            | +                            | ╧╋╌         | ╀                     |        | ┝─╂      | ┥                          |
|                        |                    | ·                                     |                 |              | <u> </u>        |              |                |                        |          |             | 1      |                    | +-                    | +-     | $\square$        | <u> </u>   |  |             | +                    | -                           | 1                                |                                 |                       | +                              | ┽                            | +           | +-                    |        |          | +                          |
| -+                     |                    |                                       |                 |              |                 |              |                |                        |          |             |        |                    | -                     |        |                  |            |  |             | ┭                    | 1                           | $\uparrow$                       |                                 |                       | $\neg$                         |                              | 1           | $\uparrow$            |        |          | 1                          |
| ecial Ins<br>inquishe  | structions:        | TPH: 8015B & B                        | <u>  1</u>      | 8021E        | 3. Please sh    |              | ts a           |                        | g/kg     | у. Т        | han    | nk yc              | ou.                   |        | Da               | te         | -  | Time        |                      | amp<br>OCs<br>abel:<br>usto | le Co<br>Free<br>s on e<br>dy se | ntair<br>of F<br>conta          | iers<br>lead<br>liner | ontair                         | xt?<br>ce?<br>ner(s          |             | <u>»</u> ک            |        |          |                            |
| bert Asht<br>linquishe | bd by:             | Date                                  | Tii             | me           | Received by:    | <u>۲۲.</u>   |                |                        |          |             |        |                    |                       |        | Da               |            |  | Time        | s                    | amp<br>by                   | e Ha                             | nd D<br>pier/(<br>ier?          | elive<br>Clien        | ooler<br>ered<br>tt Rep<br>UPS | י.<br>ס.?<br>ס.ך             |             | Fe                    |        | Lone     | N<br>N<br>Stai             |
| linquishe              | ю by               | Daie                                  | "               |              | Received by ELC | undork       |                |                        |          | •           |        |                    |                       | 12     | -8-              |            |  | );)         | 17                   | emp                         | eratu                            | re U                            |                       | Rece                           | ig:c                         | 155         | <b>&gt;</b>           | 3.     | 5 •      | С                          |



#### **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: Vates            |   |
|--------------------------|---|
| Date/Time: 12-8-10 10:11 | ^ |
| Lab ID #: 399757         |   |
| Initials: XIM            |   |

#### Sample Receipt Checklist

| 1. Samples on ice?  | Blue       | Water | No          |   |
|---|------------|-------|-------------|---|
| 2. Shipping container in good condition?                            | Yes        | No    | None        |   |
| 3. Custody seals intact on shipping container (cooler) and bottles? | Yes        | No    | N/A         |   |
| 4. Chain of Custody present?  | Yes        | No    |             |   |
| 5. Sample instructions complete on chain of custody?                | Yes        | No    |             |   |
| 6. Any missing / extra samples?                                     | Yes        | No    |             | ng ng ng ng sa                                |
| 7. Chain of custody signed when relinquished / received?            | (Yes)      | No    |             | · · · · · · · · · · · · · · · · · · ·         |
| 8. Chain of custody agrees with sample label(s)?                    | (Yes)      | No    |             | 1997 - J                                      |
| 9. Container labels legible and intact?                             | (Yes)      | No    |             |   |
| 10. Sample matrix / properties agree with chain of custody?         | Yes        | No    |             |   |
| 11. Samples in proper container / bottle?                           | Yes        | No    |             |   |
| 12. Samples properly preserved?                                     | Yes        | No    | N/A         | en la servición<br>Recordence de la servición |
| 13. Sample container intact?  | Yes        | No    |             |   |
| 14. Sufficient sample amount for indicated test(s)?                 | Yes        | No    |             |   |
| 15. All samples received within sufficient hold time?               | Yes        | No    |             |   |
| 16. Subcontract of sample(s)?                                       | Yes        | (No)  | N/A         |   |
| 17. VOC sample have zero head space?                                | Yes        | No    | N/A         | · .   |
| 18. Cooler 1 No. Cooler 2 No. Cooler 3 No.                          | Cooler 4 N | 0.    | Cooler 5 No | · · ·   |
| lbs 3.5 °C lbs °C lbs °C  | lbs        | °c    | ) ibs       | °C  |

#### Nonconformance Documentation

| Contacted by:   | Date/Time: |
|---|------------|
|   |            |
|   |            |
| n:  |            |
|   |            |
|   |            |
|   |            |
| □ Cooling process has begun shortly after samplin<br>condition acceptable by NELAC 5.5.8.3.1.a. | .1.        |
|   | n:<br>     |

□ Client understands and would like to proceed with analysis

Section 11, T18S-R24E

Eddy County, NM

Xenco Report #: 396759 Report Date: 11/15/2010

Prepared by Robert Asher Environmental Regulatory Agent

PETRO

JM

## **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): 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)

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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.

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. 396759 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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#### Received by OCD: 7/31/2022 7:10:14 PM



## 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    |

Received by OCD: 7/31/2022 7:10:14 PM

### CASE NARRATIVE

Page 49 of 82



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



 Project ID:
 30-015-26091

 Work Order Number:
 396759

Report Date: 15-NOV-10 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.

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Benzene

Toluene

o-Xvlene

Total TPH

## **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 396759-004 396759-005 Lab Id: 396759-001 396759-002 396759-003 Comp-8X4 NSW Field Id: Comp-12.0 TB Comp-14.0 TB Comp-16.0 TB Comp-8X2 NSW Analysis Requested 8-8 ft 8-8 ft Depth: 12-12 ft 14-14 ft 16-16 ft SOIL SOIL SOIL SOIL Matrix: SOIL Nov-08-10 14:31 Nov-08-10 14:34 Sampled: Nov-08-10 14:18 Nov-08-10 14:23 Nov-08-10 14:27 BTEX by EPA 8021 Extracted: 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 Analyzed: 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 RL mg/kg RL mg/kg RL Units/RL: mg/kg RL mg/kg RL mg/kg ND 0.0011 ND 11.03 ND 10.99 ND 10.74 ND 0.0011 164.2 21.97 182.1 21.47 ND 0,0021 ND 0.0022 22.06 206.1 Ethylbenzene 54,48 ND 0.0011 11.03 67.79 10.99 61.52 10.74 ND 0.0011 m,p-Xylenes 420.5 22.06 536.8 21.97 433.0 21.47 ND 0.0021 ND 0.0022 81.72 10.99 85.57 10.74 ND 0.0011 ND 0.0011 11.03 109.8 Xylencs, Total 502.2 10.99 10.74 ND 0.0011 ND 0.0011 11.03 646.6 518.6 Total BTEX ND 0.0011 720.9 11.03 10.99 762.2 10.74 ND 0.0011 920.5 **Percent Moisture** Extracted: Nov-11-10 11:19 Nov-11-10 11:19 Analvzed: Nov-11-10 11:07 Nov-11-10 11:07 Nov-11-10 11:07 Units/RL. % RL % RL % RL % RL % RL Percent Moisture 9.33 ·7.78 1.00 7.13 1.00 7.24 1.00 1.00 8.98 1.00 **TPH by SW 8015B** 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 Extracted: Analyzed: 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 Units/RL. mg/kg mg/kg RL mg/kg RL mg/kg RL mg/kg RL 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 1970 81.7 16.2 ND 3080 165 ND 16.1 ND 13670 82.8 165 81.7 ND 16.2 16.1 19880 13970

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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 Laboratorics 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

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

Page 5 of 18

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## **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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|----------------|----------------|
| (281) 240-4200 | (281) 240-4280 |
| (214) 902 0300 | (214) 351-9139 |
| (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 |

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### **XENCO-Environmental Lab of Texas**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 12600 West I-20 East Phone: 432-563-1800 Odessa, Texas 79765 Fax: 432-563-1713 Project Manager: Project Name: Laney AGJ Federal #1 Robert Asher Company Name Yates Petroleum Corporation Project #: 30-015-26091 Company Address: 105 South 4th Street Project Loc: Eddy County PO #: 105632 City/State/Zip: Artesia, NM 88210 Report Format: X Standard **NPDES** Telephone No: Fax No: 575-748-4662 575-748-4217 Sampler Signature: boba@yatespetroleum.com e-mail: Analyze For: TCLP: RUSH TAT (Pre-Schedule) 24, 48, 72 hrs TOTAL 396759 Preservation & # of Containers Matrix 3260 Cd Cr Pb Hg Se 1006 BTEX ž Na, K) **B015M** ъ eginning Depth Sampled Depth Date Sampled As Ag Ba Мg TX 1005 TAT ns (Ca, 021 Standard õ inding l N.O.R.M. eld Filter Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Chloride Time H<sub>2</sub>SO NaOH RTEX Ś Vone Ŷ õ 8 FIELD CODE 12' 12' 11/8/2010 2:18 PM Х s Х X Comp-12.0 TB Comp-14.0 TB 14' 11/8/2010 2:23 PM х S X Х 14' Х Comp-16.0 TB 16' 16' 11/8/2010 2:27 PM 1 X s Х X х s Comp-8X2 NSW 8' 8' 11/8/2010 2:31 PM 1 х s 8' 2:34 PM Comp-8X4 NSW 8' 11/8/2010 1 X Special Instructions: TOH- 80158 & RTEY- 80218 Please show Al L results as ma/ka Laboratory Comments: Thank you Ŷ Ν NÆ N

| apecial instructions.                 |          | 1 EA: 004 1 | D. Please show ALL results as mu | /kg. mank you. |               | Laboratory comments.  |
|---------------------------------------|----------|-------------|----------------------------------|----------------|---------------|---|
|                                       |          |             |                                  |                | · · .         | Sample Containers Intact?                                   |
| · · · · · · · · · · · · · · · · · · · |          |             |                                  |                | 1             | VOCs Free of Headspace?                                     |
| Relinquished by:                      | Date     | Time        | Received by:                     | · · · ·        | Date Tim      |   |
| here Kentlinge                        | 11/09/10 | 3:11 PM     |                                  |                | ( ·           | Custody seals on container(s)<br>Custody seals on cooler(s) |
| Relinquished by:                      | Date     | Time        | Received by:                     |                | Date Tim      |   |
| Kemidularied by.                      | Build    | THIS        | Incesived by                     | · · ·          |               | by Sampler/Client Rep. ?                                    |
|                                       |          |             |                                  |                |               | by Courier? UPS DI  |
| Relinquished by:                      | Date     | Time        | Received by ELOT:                | _ ···          | Date Tim      | Temperature Upon Receipt:                                   |
|                                       |          |             | Xim Mundock                      |                | 11-10-10 11:0 | O Temperature opon Receipt                                  |

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#### **XENCO** Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa\_\_\_\_\_

| Document Title: | Sample Receipt | Checklist |  |
|-----------------|----------------|-----------|--|
| Document No.: S | 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: $\chi[V]$       |  |

#### Sample Receipt Checklist

| 1. Samples on ice?  | Blue       | Water | No          | -   |
|---|------------|-------|-------------|---|
| 2. Shipping container in good condition?                            | Yes        | No    | None        |   |
| 3. Custody seals intact on shipping container (cooler) and bottles? | (Yes)      | No    | N/A         |   |
| 4. Chain of Custody present?  | (Nes)      | No    |             |   |
| 5. Sample instructions complete on chain of custody?                | Yes,       | No    |             | · · · · · ·   |
| 6. Any missing / extra samples?                                     | Yes        | (No)) |             | د.<br>بيدينه ۲۰۰ منځو   |
| 7. Chain of custody signed when relinquished / received?            | Yes        | No    |             |   |
| 8. Chain of custody agrees with sample label(s)?                    | Yes        | No    |             | a<br>Di Ang   |
| 9. Container labels legible and intact?                             | Yes        | No    | ·           |   |
| 10. Sample matrix / properties agree with chain of custody?         | Yes        | No -  |             | er er fresta d  |
| 11. Samples in proper container / bottle?                           | Tes        | No    | 4           |   |
| 12. Samples properly preserved?                                     | (Yes)      | No    | N/A         | a trà ates  |
| 13. Sample container intact?  | Yes        | No    | :           | ere parte i   |
| 14. Sufficient sample amount for indicated test(s)?                 | Yes        | No    |             |   |
| 15. All samples received within sufficient hold time?               | (Yes)      | No    |             |   |
| 16. Subcontract of sample(s)?                                       | Yes        | (No)  | N/A         |   |
| 17. VOC sample have zero head space?                                | Yes        | No    | (NA)        | 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - |
| 18. Cooler 1 No. Cooler 2 No. Cooler 3 No.                          | Cooler 4 N | 0.    | Cooler 5 No | tanya 140   |
| Ibs Fill °C ibs °C ibs °C   | lbs        | °c    | lbs         | . °C  |

#### Nonconformance Documentation

| Contact:                 | Contacted by:  | Date/Time:                            |          |
|--------------------------|--|---------------------------------------|----------|
| Regarding:               | · · · · · · · · · · · · · · · · · · ·                          |                                       |          |
|                          |  | · · · · · · · · · · · · · · · · · · · |          |
| Corrective Action Taken: |  | <br>·                                 |          |
| ·                        |  |                                       | <u> </u> |
|                          |  | 1                                     |          |
|                          |  | <br>· · ·                             |          |
| Check all that apply:    | Cooling process has begun short<br>condition acceptable by NEL | out of temperature                    |          |

□ 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 (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

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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,

GOTI-

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 | Ś      | 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    |

Page 3 of 19

### 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 reanalysis. 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 SW8021BM

Batch 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 NM

Batch 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 SW8021BM

Batch 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

| roject Location: Eddy County       |            |                 |                 | •               | •                       |                  |  |
|------------------------------------|------------|-----------------|-----------------|-----------------|-------------------------|------------------|--|
| ojee Doeanom Daag County           |            |                 | <u> </u>        | 11 - A          | <b>Project Manager:</b> | Brent Barron, II |  |
|                                    | 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    |  |
| Analysis Requested                 | 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  |  |
| BTEX by EPA 8021B                  | 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         |  |
| Benzene                            |            | 2.717 0.5780    | 1.705 0.5554    | ND 0.0011       | 0.0012 0.0011           | ND 0.0055        |  |
| Toluene                            |            | 85.33 1.156     | 77.10 1.111     | ND 0.0022       | 0.0090 0.0021           | ND 0.0110        |  |
| Ethylbenzene                       |            | 37.38 0.5780    | 30.59 0.5554    | ND 0.0011       | 0.0029 0.0011           | ND 0.0055        |  |
| m,p-Xylenes                        |            | 229.8 1.156     | 221.1 1.111     | 0.0028 0.0022   | 0.0156 0.0021           | ND 0.0110        |  |
| o-Xylene                           |            | 69.65 0.5780    | 64.70 0.5554    | 0.0012 0.0011   | 0.0044 0.0011           | ND 0.0055        |  |
| Total Xylenes                      |            | 299.5 0.5780    | 285.8 0.5554    | 0.0040 0.0011   | 0.0200 0.0011           | ND 0.0055        |  |
| Total BTEX                         |            | 424.9 0.5780    | 395.2 0.5554    | 0.0040 0.0011   | 0.0331 0.0011           | ND 0.0055        |  |
| Percent Moisture                   | Extracted: |                 |                 | ······          |                         |                  |  |
|                                    | 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             |  |
| Percent Moisture                   |            | 13.5 1.00       | 9.97 1.00       | 7.35 1.00       | 6.26 1.00               | 8.74 1.00        |  |
| TPH By SW8015B Mod                 | 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         |  |
| C6-C10 Gasoline Range Hydrocarbons |            | 5920 86.5       | 6420 83.2       | ND 16.3         | ND 16.0                 | ND 16.4          |  |
| C10-C28 Diesel Range Hydrocarbons  |            | 1540 86.5       | 1800 83.2       | ND 16.3         | ND 16.0                 | ND 16.4          |  |
| Total TPH                          |            | 7460 86.5       | 8220 83.2       | ND 16.3         | ND 16.0                 | ND 16.4          |  |

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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

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## **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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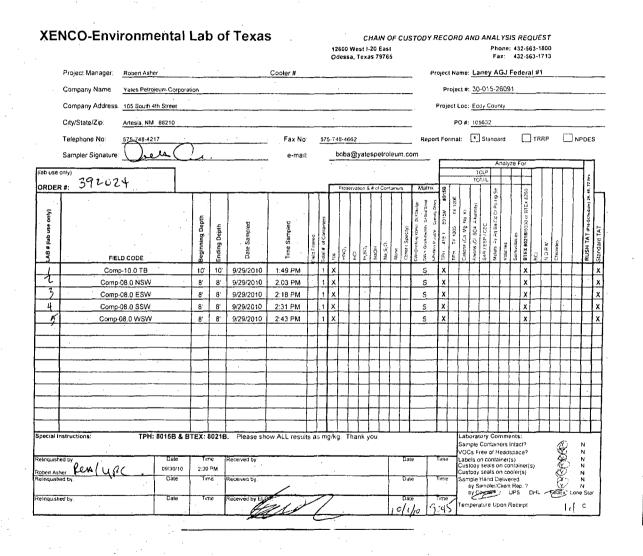
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XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa Document Title: Sample Receipt Checklist Document No.: SYS-SRC Revision/Date: No. 01, 5/27/2010 Effective Date: 6/1/2010 Page 1 of 1

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

| Client 4   | tis     | · •    |  |
|------------|---------|--------|--|
| Date/Time: | 10/11.0 | 9:45an |  |
| Lab ID # : | 30.70   | 24     |  |
| Initials.  | MS.     |        |  |

Sample Receipt Checklist

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

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 5.58.3.1.a.1. Unitial and Backup Temperature confirm out of temperature conditions Client understands and would like to proceed with analysis

Ņ

|  | Well Head    |              |              |        |       |       |           |       |           |
|--|--------------|--------------|--------------|--------|-------|-------|-----------|-------|-----------|
|  |              |              |              |        | -     |       |           |       |           |
| Battery                                      |              | Tank Outline | X<br>X<br>X  | )      |       |       |           |       |           |
|  |              |              |              |        |       |       | Lease Roa | ıd    |           |
| Analytical Report-<br>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 17/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=003 173                                 | Tank Bottom  | 6/10/2010    | Grab/Backhoe | 8' BSL | 541.4 | 15900 | 1220      | 17120 | 7.78      |
| Site Ranking is Zero<br>All results are ppm. | • •          |              |              |        |       | -     | -         |       |           |

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

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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)

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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

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 Ma  | nager:          | Brent Barron,   | II    |                 |      |
|-----------------------------|------------|-----------|-----------------|-------------|--------------------------|-----------------|-----------------|-------------|-----------------|-----------------|-------|-----------------|------|
|                             | Lab Id:    | 376805-0  | 001             | 376805-0    | 02                       | 376805-0        | 03              | 376805-0    | 04              | 376805-0        | 05    | 376805-0        | 006  |
| Analysis Requested          | Field Id:  | Comp-002  | 2B/E            | Comp-004    | B/E                      | Comp-002        | T/B             | Comp-004    | T/B             | Comp-006        | T/B   | Comp-008        | T/B  |
|                             | Depth:     | 2'-2' ft  | t               | '∵ 4'-4' ft |                          | 2'-2' ft        |                 | .4'-4' ft   |                 | 6'-6' ft        |       | 8'-8' ft        |      |
|                             | Matrix:    | SOIL      |                 | SOIL        | · .                      | SOIL            | · · ·           | SOIL        |                 | SOIL            |       | SOIL            |      |
|                             | Sampled:   | Jun-10-10 | Jun-10-10 10:02 |             | 0:07                     | Jun-10-10 10:15 |                 | Jun-10-10 1 | 0:18            | Jun-10-10 1     | 0:21  | Jun-10-10 1     | 0:25 |
| Anions in Soil By EPA 300.0 | Extracted: |           | Jun-16-10 08:46 |             |                          |                 |                 |             |                 | Jun-16-10 08:46 |       |                 |      |
|                             | Analyzed:  | Jun-16-10 |                 |             | 10 08:46 Jun-16-10 08:46 |                 | Jun-16-10 08:46 |             | Jun-16-10 08:46 |                 |       | Jun-16-10 08:46 |      |
|                             | Units/RL:  | mg/kg     | RL              | mg/kg       | RL                       | mg/kg           | RL              | mg/kg       | RL              | mg/kg           | RL    | ing/kg          | RL   |
| Chloride                    |            | 229       | 9.89            | 452         | 9.58                     | 2740            | 50.7            | 235         | 10.1            | 11.2            | 4.88  | 7.78            | 4.72 |
| Percent Moisture            | Extracted: |           |                 |             |                          |                 |                 |             |                 |                 |       |                 |      |
|                             | Analyzed:  | Jun-12-10 | Jun-12-10 09:20 |             | 9:20                     | Jun-12-10 0     | 9:20            | Jun-12-10 ( | 9:20            | Jun-12-10 (     | 09:20 | Jun-12-10 0     | 9:20 |
|                             | Units/RL:  | %         | 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 |

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Brent Barron, II

Odessa Laboratory Manager

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## **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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RL Reporting Limit

MDL Method Detection Limit

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\* Outside XENCO's scope of NELAC Accreditation.

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|--|--|---------------|-----------------|--------------|---------------------------------|--------------|--------------------|------------------------|----------------|-----------|--|-----------------|--------|------------------------|--|--|----------------------|-------------------------|-----------------------|---------------------------------|---------------------------------|---|-----------|--------------------|------------|----------------|--|
|  | Project Manager: Robert Ash            | ier           |                 |              |                                 | Cooler #     |                    | *                      |                |           |  |                 |        |                        | . 1  | Projec   | t Nar                | ne: <u> </u>            | ane                   | y A                             | GJ F                            | eder  | al #      | 1                  |            |                |  |
|  | Company Name Yates Petro               | oleum Corpora | tion            |              | · .                             |              |                    |                        |                |           |  |                 |        |                        |  | P  | ojec                 | <u>:</u> #: <u>ا</u>    | 30-01                 | 5-2                             | 5091                            |   |           |                    |            |                |  |
|  | Company Address: 105 South             | 4th Street    |                 |              | •                               |              | •                  | Ì                      |                |           |  |                 |        |                        |  | Proj   | ect L                | oc: <u>E</u>            | iddy (                | Cour                            | ty                              |   |           |                    |            |                |  |
|  | City/State/Zip: Artesia, NN            |               |                 |              |                                 |              |                    | l                      |                |           |  |                 |        |                        |  |  | PC                   | )#:1                    | 0563                  | 2                               |                                 |   |           |                    |            |                |  |
|  |  |               |                 |              |                                 | Eav No       |                    | E75                    | 749.4          | ee 2      |  |                 |        |                        |  | ort Fo   |                      | -                       | <u>_</u>              |                                 |                                 |   | Тв        | DD,                | ]          | N              | PDF                                    |
|  |  |               | <del>,</del>    |              |                                 | - Fax No     |                    | 3/5                    | -7 <u>48-4</u> |           |  | note            |        |                        |  | UN F0  |                      | . Ц                     |                       | an rua                          | .u                              | L   | ^         |                    | L          | ^              |  |
|  |  |               |                 |              | ·                               | e-mail       |                    | : •                    | 000            | aw        | yates  | heru            |        |                        |  |  |                      |                         |                       | -                               | nalyze                          | For   | -         |                    |            |                | T                                      |
| (lab use c                               |  | 11000         |                 |              |                                 |              |                    |                        |                |           |  |                 |        |                        |  | F  |                      |                         | TCLF                  |                                 | $\vdash$                        |   | -         |                    |            |                | H N                                    |
| ORDER                                    | #:376799/31                            | NOU           | 2               | T            | T                               | 1            | 1                  | ļ                      | Pre            | serva     | tion & #                                     | of Co           | ntaine | #8                     | Matri  |  |                      |                         | Τ                     | es<br>B                         |                                 | UNC.  |           |                    |            |                | 1 44                                   |
| AB # (lab use only)                      | FIELD CODE                             |               | Jeginning Depth | Ending Depth | Date Sampled                    | Time Sampled | ield Filtered      | otal #. of Contisinens | kæ<br>HND,     | HCI -     | H <sub>s</sub> o,                            | NaOH<br>Na S-D- | None   | Other ( Specify)       | W=Drinking Water SL=Skudge<br>SW = Groundwater S=So⊌'Solid | 4P=Non-Potable Specify Other<br>[PH: 418.1 8015M 8 | TPH: TX 1005 TX 1006 | Cations (Ca, Mg, Na, K) | SAR / ESP / CEC       | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles                       | Semivolatiles<br>RTFY 80718/5030 or RTFX 8260 | RCI       | N.O.R.M.           | Chlorides  |                | RUSH TAT (Pre-Schedule) 24. 48. 72 hrs |
| 001                                      | Comp-002B/E                            |               | 2'              | 2'           | 6/10/2010                       | 10:02 AM     |                    | 1                      |                | $\top$    |  | ╈               | +-     |                        | S  | X  | H                    | -                       |                       | Ť                               |                                 | . ,   |           |                    | x          |                | T                                      |
| <u>002</u>                               | Comp-004B/E                            |               | 4'              | 4'           | 6/10/2010                       | 10:07 AM     |                    | 1                      | x              |           |  |                 |        |                        | S  | X  |                      |                         | Τ                     |                                 | ŀ                               | >   | (         |                    | x          | T              | Τ                                      |
| 003                                      | Comp-002T/B                            |               | 2'              | 2'           | 6/10/2010                       | 10:15 AM     |                    | 1                      | x              |           |  |                 |        |                        | S  | X  |                      |                         | 1                     | ļ                               |                                 | <u> </u>                                      | <u>(</u>  |                    | x          |                |  |
| <u>004</u>                               | Comp-004T/B                            |               | 4'              | 4'           | 6/10/2010                       | 10:18 AM     |                    | 1                      |                | <b> </b>  | ++   |                 |        | $\left  \right $       | S  | <u> </u>   |                      | _                       |                       |                                 |                                 | <b></b> >                                     |           | ┝                  | ×          | $\downarrow$   | +-                                     |
| $\infty^{5}$                             | Comp-006T/B                            |               | 6'              | 6'           | 6/10/2010                       | 10:21 AM     |                    | 1                      |                | -         | ++   | +               | +      | $\left  \cdot \right $ | <u>s</u>   | <u> x</u>  |                      | _                       | +-                    | $\vdash$                        |                                 | <u>×</u>                                      |           |                    | ×          |                | ╋                                      |
| 006                                      | Comp-008T/B                            |               | 8'              | 8'           | 6/10/2010                       | 10:25 AM     | $\left  - \right $ | 1                      | <u>×</u>       | $\vdash$  | ╉┼┼  | ┿               | +-     | ┼╌╂                    | <u> </u>   |  |                      | _+-                     | ╋                     | $\vdash$                        |                                 | <b>_ </b> ×                                   | -         | $\left  \right $   | <u>×</u>   |                | ╉                                      |
| <b>├</b> ──┫                             |  |               | <u> </u>        | f            |                                 |              |                    | -                      | +              | ┢         | $\uparrow$                                   | +               |        | ┼╂                     | <u></u>  | -  | $\vdash$             | -                       | +                     |                                 | -†                              |   | ╋         | <u>f</u> −-{       | $\uparrow$ | +              | ╉                                      |
|  |  |               |                 | 1            |                                 | Same ye      | 6.0                | · 1999 - 1             |                |           |  | 1               |        | 11                     |  | ╈  |                      |                         | T                     |                                 | ╈                               | $\uparrow$                                    |           |                    |            |                | 1                                      |
|  |  |               |                 |              |                                 |              | П                  |                        |                |           |  | T               |        | П                      |  |  |                      |                         |                       |                                 |                                 |   |           |                    |            |                | L                                      |
| ┟───┨                                    |  |               |                 |              |                                 |              | $\square$          | +                      |                | $\vdash$  | ╞╌┨╴   |                 |        | ╎╷╽                    |  |  | _                    | _                       | -                     |                                 |                                 |   | +         | $\square$          |            |                | ╞                                      |
| ╞───┤                                    | · · · · · · · · · · · · · · · · · · ·  |               |                 |              |                                 |              |                    | +                      |                | ┢         | ┢┼   | +               | +      | ┝╌╉                    | <u></u>  | +  |                      |                         | +                     | $\mid$                          | +                               | +   |           | $\left  - \right $ | -+         |                | +                                      |
| ┢───┨                                    | PLEASE PUT CHLORII<br>ON SEPARATE REPO |               | ·               |              |                                 |              | ┝╌┟                | ╉                      |                | ┢         | ┢┼┼  | +               | +      | ┼╌╂                    |  |  | +                    | ╉                       | ┾╌                    | $\left  - \right $              |                                 | +-  | ╋         | ┝╍┿                | ╧╋         |                | ╋                                      |
| Relinquishe                              | ed by:                                 |               | Tir             | 021B         | & Chlorides.<br>Received by:    | Please sho   | w Al               | L re                   | - I<br>Psults  | 1<br>as 1 | mg/kç  | ј. Т            | hank   | l vou<br>Date          |  | Time   |                      | And<br>ADCE<br>ADCE     | Free<br>Free<br>dy se | of H<br>Only<br>als c           | nmer<br>eadsj<br>ne la<br>n con | pace<br>laine                                 | ?<br>r(s) |                    | <br>       | <u> </u>       | N<br>N<br>N<br>N                       |
| Robert Ash<br>Relinquishe<br>Relinquishe | ed by.                                 | Date          | Tir             | ne           | Received by:<br>Received by ELC |              | <u></u>            |                        | -              |           | <u>.                                    </u> |                 |        | Date                   |  | Time   | 5                    | amp                     | le Ha<br>Sam          | nd D                            | eliver<br>lient I<br>SIGG       | ed<br>Rep 1                                   | 2         |                    | C<br>Pede  | ی<br>ک<br>ما ھ | N<br>N<br>ne S                         |



#### XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi. Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

| Document Title: Sample Re   | ceipt Checklist |
|-----------------------------|-----------------|
| Document No.: SYS-SRC       |                 |
| Revision/Date: No. 01, 5/27 | 7/2010          |
| Effective Date: 6/1/2010    | Page 1 of 1     |

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

| Client:    | Yates Petro Icum |  |
|------------|------------------|--|
| Date/Time: | 6.11.10 9:45     |  |
| Lab ID # : | 376799 / 376805  |  |
| Initials:  | AL               |  |

#### Sample Receipt Checklist

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

#### Nonconformance Documentation

| Contact:                   | Contacted by:                              | Date/Time:                            | · · · · · · · · · · · · · · · · · · ·  |
|----------------------------|--|---------------------------------------|--|
| Regarding:                 |  |                                       |  |
|                            |  |                                       |  |
| Corrective Action Taken:   | ·  |                                       |  |
|                            |  |                                       |  |
|                            |  |                                       | · · · · · · · · · · · · · · · · · · ·  |
|                            | · · · · · · · · · · · · · · · · · · ·      | · · · · · · · · · · · · · · · · · · · | ······································ |
| Check all that apply: □Cod | oling process has begun shortly after samp | ling event and out of temperat        | ure                                    |

condition acceptable by NELAC 5.5.8.3.1.a.1.

Initial and Backup Temperature confirm out of temperature conditions

 $\Box$  Client understands and would like to proceed with analysis

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

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)

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

#### Received by OCD. 7/31/2022 7:10:14 PM



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

Final Ver. 1.000

Received by OCD: 7/31/2022 7:10:14 PM

### 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

| roject Location: Lea County, NM    |            |           |                 | 1. A. |                  |             |       | • · ·      |              |              |  |             |        |
|------------------------------------|------------|-----------|-----------------|---|------------------|-------------|-------|------------|--------------|--------------|--|-------------|--------|
|                                    |            |           |                 |   | · · ·            | ·           |       | Project Ma | nager:       | Brent Barron | <u>    II                               </u> |             |        |
|                                    | Lab Id:    | 376799-   | 001             | 376799-                                   | 002              | 376799-0    | 003   | 376799-    | 004          | 376799-      | 005  | 376799-0    | 006    |
| Anglusis Deguarted                 | Field Id:  | Comp-002  | 2B/E            | Comp-004                                  | 4B/E             | Comp-002    | 2T/B  | Comp-004   | 4 <b>T/B</b> | Comp-000     | 6T/B   | Comp-008    | T/B    |
| Analysis Requested                 | Depth:     | 2'-2' f   | t .             | 4'-4' f                                   | t,               | 2'-2' fi    | t     | 4'-4' f    | ì            | 6'-6' f      | t  | 8'-8' ft    |        |
|                                    | Matrix:    | SOIL      |                 | SOIL                                      | , <sup>,</sup> , | SOIL        |       | SOIL       |              | SOIL         |  | SOIL        |        |
|                                    | Sampled:   | 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 1 | 0:25   |
| BTEX by EPA 8021                   | Extracted: | 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 0 | )8:30  |
|                                    | Analyzed:  | 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 2 | 21:13  |
|                                    | Units/RL:  | 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  |
| Percent Moisture                   | Extracted: |           |                 |   |                  | -           |       |            |              |              |  |             |        |
|                                    | Analyzed:  | 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 0 | 9:20   |
|                                    | Units/RL:  | %         | 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 |
| TPH by SW 8015B                    | Extracted: | 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 0 | 9:30   |
|                                    | Analyzed:  | 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 1 | 4:42   |
|                                    | Units/RL:  | ' mg/kg   | RL <sup>°</sup> | mg/kg                                     | RL               | mg/kg       | RL    | mg/kg      | RL           | mg/kg        | RL   | mg/kg       | RL     |
| C6-C10 Gasoline Range Hydrocarbons | 1. f       | 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.

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Brent Barron, II

Odessa Laboratory Manager

Final Ver. 1.000

- 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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|   | Phone                     | Fax             |
| 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  |

Final Ver. 1.000

Page 78 of 82

| XEI              | NCO-Environmental                     | La  | b o          | f Texas                | 5                    |               |               | 40       |       | 18/-  |                    |      |   |       | ISTO        | DYF                             | REC                | OR                     | D AI                    | ND               |                 |                                 |                       |                               |                |   |              |           |                                      |          |
|------------------|---------------------------------------|---|--------------|------------------------|----------------------|---------------|---------------|----------|-------|-------|--------------------|------|---|-------|-------------|---------------------------------|--------------------|------------------------|-------------------------|------------------|-----------------|---------------------------------|-----------------------|-------------------------------|----------------|---|--------------|-----------|--------------------------------------|----------|
|                  | · ·                                   |   |              |                        |                      |               |               |          |       |       |                    |      | East<br>9765                                  |       |             |                                 |                    |                        |                         |                  | ,               |                                 |                       |                               | 563-1<br>563-1 |   |              |           |                                      |          |
|                  | Project Manager: Robert Asher         |   |              |                        | Cooler #             |               | }             |          |       |       |                    |      |   |       |             | Pi                              | ojec               | t Na                   | me:                     | La               | пеу             | AG                              | J Fe                  | der                           | al #           | 4   |              | <u> </u>  |                                      |          |
|                  | Company Name Yates Petroleum Corpor   | ation   | :            |                        |                      | <b>.</b> .    |               |          |       |       | ÷                  |      |   |       |             | •                               | P                  | roje                   | :t #:                   | 30               | -015            | 5-26                            | 091                   |                               |                |   |              |           |                                      |          |
|                  | Company Address: 105 South 4th Street |   |              |                        |                      |               |               |          |       | -     |                    |      |   |       | _           |                                 | Proi               | ect I                  | .oc:                    | Edd              | dv C            | ounty                           | ,                     |                               |                |   |              |           |                                      |          |
|                  | City/State/Zip: Artesia, NM 88210     |   |              |                        |                      |               | i             |          |       |       | •                  |      |   |       | _           |                                 | ,                  |                        | D #:                    |                  |                 |                                 |                       |                               |                |   |              |           |                                      |          |
|                  |                                       |   | ·            |                        |                      |               |               | <u> </u> |       |       | • •                |      |   |       | -           |                                 |                    | •                      |                         |                  |                 |                                 |                       |                               | <br>           |   |              |           |                                      | -        |
|                  | Telephone No: 575-748-4217            | <u>,                                     </u> |              |                        | Fax No:              |               | 57            | 5-74     | × .   | • •   |                    | •    |   |       |             | Repo                            | rt Fo              | หากล                   | t:                      | Ļ                | Sta             | ndaro                           | t                     | 1                             | ] TF           | ₹RP   |              | א 🗔       | PDE                                  | ž,       |
|                  | Sampler Signature:                    |   | <del>,</del> |                        | e-mail:              |               | ;             |          | oba   | a@)   | yate               | spe  | trole   | eum.  | com         |                                 |                    |                        |                         |                  |                 | Ana                             | alyze                 | For                           |                |   |              |           | ┳                                    | -        |
| lab use c        |                                       |   |              | · · ·                  |                      |               |               |          |       |       |                    |      |   | •     |             |                                 | F                  |                        |                         |                  | CLP:<br>TAL:    | _                               | 1                     | Ţ                             | T              | Т   | Ţ            | $\square$ | 1                                    | 1        |
| ORDER            | #: 376799/31680                       | 5   |              | ·                      |                      |               |               |          | Prese | ervat | tion &             | # of | Conta   | iners | M           | latrix                          | 1 8                | Γ                      |                         |                  | TAL:            |                                 | +                     |                               |                |   |              |           | 1                                    | i        |
| 2                |                                       |   |              |                        |                      |               |               |          |       |       |                    |      |   |       | łudge       | S=Soll/Solid                    | Į.                 | TX 1006                | ~                       | nity)            |                 | Metals: As Ag Ba Cd Cr Pb Hg Se |                       | UDIEX 80218/5030 or BTEX 8260 |                |   |              |           | RUSH TAT (Pre-Schudule) 24-42 72 her | the form |
| # (lab use only) |                                       | Ę   |              | ,<br>g                 | 2                    |               | 292           |          |       |       |                    |      |   |       | r SL=Skudge | Sciently                        | BD15M              |                        | Cetions (Ca, Mg, Na, K) | , Alkaiinity)    |                 | 20                              |                       | 30 or E                       |                |   |              |           | 1                                    |          |
| d us             |                                       |   | Dept         | ample                  | ample                | R             | Contiainers   |          |       | ĺ     | 1                  | Í    | :   | 1     | o Wete      | ndweter<br>tahia                | 418.1              | TX 1005                | a, Mg                   | l, SQA           | 0 / CE          | s Ag Bé                         |                       | 18/50                         |                |   |              |           | AT (p.                               | i        |
| ڪ<br>#           |                                       | Beginning Depth                               | Ending Depth | Date Sampled           | Time Sampled         | ield Fittered | 5             |          | HNO3  |       | H <sub>5</sub> SO4 | NaOH | Ne <sub>3</sub> S <sub>2</sub> O <sub>3</sub> | None  | DV=Drinkin  | GW = Groundwa<br>NP=Non-Potatua | 4                  | •                      | ) suo                   | Anions (CI, SO4, | SAR / ESP / CEC | tals: As                        | Volatiles             | EX 802                        |                | N.O.R.M.  | Chlorides    |           | THS                                  |          |
| <b>₽</b>         | FIELD CODE                            |   | -            |                        |                      | Ě             | <del>اج</del> | <u>8</u> | Ť     | Ŧ     | Τ̈́                | Ÿ    | ž   | 2 E   |             |                                 | ÷                  | HdT                    | 3                       | Ā                | R<br>S          | Å.                              | \$ <b></b>            | 1                             |                | Ĭ   | 1            | ┝╼┾╸      | ╇                                    | í        |
| 001<br>202       | Comp-002B/E                           | 2'<br>4'                                      | 2'<br>4'     | 6/10/2010              | 10:02 AM             | ┢             | 1             | X        |       |       | ┢╌┥                |      | -+  | +     | ╋           | <u>s</u>                        | Ł                  |                        |                         |                  |                 | +                               | +                     | + <del>×</del>                | +              | ┢   | X<br>X       | ┝┼╍       | ╉                                    | -        |
| 003              | Comp-004B/E<br>Comp-002T/B            | 2'  | 2'           | 6/10/2010<br>6/10/2010 | 10:07 AM<br>10:15 AM | ┝             | 1             | X<br>X   |       |       |                    |      |   | +     |             | s<br>s                          | X<br>X             |                        |                         | -                |                 | -+                              | +                     | X<br>X                        |                | ╉──   | X            | ┢┼╋       | ╋                                    | -        |
| 004              | Comp-004T/B                           | 4'  | 4'           | 6/10/2010              | 10:18 AM             |               | 1             |          |       | ┢     |                    |      | -+  | +     | ┼─          | s                               | Îx                 |                        |                         | -1               |                 | +                               | ╈                     | x                             |                | ┢   | x            | i t       | ╋                                    | •        |
| 005              | Comp-006T/B                           | 6'  | 6'           | 6/10/2010              | 10:21 AM             |               | 1             |          |       |       |                    |      |   |       | 1-          | S                               | X                  |                        |                         |                  |                 |                                 | 1                     | x                             |                | 1   | X            |           | T                                    |          |
| 206              | Comp-008T/B                           | 8'  | 8'           | 6/10/2010              | 10:25 AM             |               | 1             | х        |       |       |                    |      |   |       |             | s                               | X                  |                        |                         |                  |                 |                                 |                       | X                             | I              |   | x            |           | Ĩ                                    |          |
|                  |                                       |   | <b> </b>     | · · · ·                |                      |               |               |          |       |       |                    |      |   |       | L           |                                 |                    |                        |                         |                  |                 |                                 |                       |                               |                | $\bot$  |              |           |                                      | _        |
|                  |                                       | -   |              |                        |                      |               |               |          |       |       | $\square$          |      |   |       | ↓           |                                 |                    |                        | _                       | _                |                 | _                               | _                     | $\downarrow$                  | ╞              | _   | $\square$    | $\vdash$  | ╇                                    | _        |
|                  |                                       |   |              |                        | ·· •. •• •           |               |               | ~*       | -     | •     |                    |      | -   | +     |             | · ·                             | ┡                  |                        |                         | -+               | -               | _                               | +                     | ╄                             | +              | ╀─  | $\square$    |           | ╀                                    |          |
|                  |                                       | +   |              |                        |                      |               | -             |          |       |       |                    |      |   | -     | -           |                                 | $\left  - \right $ | $\left  \cdot \right $ | -                       | ╧┨               | +               | +                               | +                     | ╀╴                            | ┢              | ┢   | $\mathbb{H}$ |           | ╋                                    |          |
| †                |                                       | +   |              |                        |                      |               |               |          |       |       | $\vdash$           |      | +   |       |             |                                 |                    |                        | -+                      | +                | •               | -                               | +                     | +                             | ┢              |   | ┝─┦          | -+-       | ╀                                    | •        |
|                  | PLEASE PUT CHLORIDES                  |   |              |                        |                      |               |               |          |       |       |                    | 1    | -   |       | -           |                                 | $\square$          |                        | 1                       | -†               | 1               | ╈                               | ╞                     | ┢                             | <u> </u>       |   |              | +         | 1                                    |          |
|                  | ON SEPARATE REPORT                    |   |              |                        |                      |               |               |          | ·     |       |                    |      |   | •     |             |                                 |                    |                        |                         |                  |                 |                                 | T                     | T                             | T              |   | $\square$    | 1         | T                                    |          |
| Special In       | structions: TPH: 8015B, B             | TEX: 8  | 021B         | & Chlorides.           | Please show          | γA            | LLI           | resu     | lts a | as r  | ng/k               | kg.  | Tha   | nk y  | ou.         |                                 | ۰.                 |                        | Ser                     |                  | Con             |                                 | men<br>ra ini         | act?                          |                | Q.  | <b>.</b>     | <b>8</b>  | N                                    |          |
| Relinquishe      | ed by: O Date                         | -<br>Ti                                       | me           | Received by:           |                      |               |               |          |       |       | :                  |      | T   | . D   | ate         | Τ-                              | Time               | -                      |                         | 8 FI             | nee (<br>II CO  | πHe<br>Mai                      | adsp<br>er(s)<br>cont | ace                           |                | in the second |              | Š.        | N<br>SN                              | 1        |
| Robert Ash       |                                       |   | 5 PM         | Passing                | ·                    |               |               |          |       |       |                    |      |   |       |             |                                 |                    |                        |                         |                  | 100             | B OF                            | 000                   | $\mathfrak{s}(\mathfrak{c})$  | 7(S)           |   |              | Ž.        | N<br>N                               | 2.2      |
| ເອເກຊຸນເຣກິດ     | Su by. Date                           | [· "  | 110          | Received by:           |                      |               | ;             |          |       |       |                    |      |   | U     | ate         |                                 | Time               |                        | t                       | by Sa            | ampi            | er/Cli                          | ivere<br>ent R        | lep. ?                        |                |   |              | DY.       | N<br>N                               |          |
| Relinquishe      | od by:                                | Tơ  | ne           | Received by ELC        | I.                   | )             |               | -        |       | فت ح  |                    |      | ╈   |       | ale         |                                 | Time               | 5                      | t<br>Tarr               | JY Co<br>L       |                 | 15                              | UP<br>195             | 3                             | DH(            | - (   | Fed          | ₽Lo.      | ine S                                |          |
|                  | Feder                                 |   | _            | Und                    | ua F                 | À,            | M             | 1        |       |       |                    |      |   | 6.1   | \$-K        | Ŋ٩                              | :4                 | 5                      | i em                    | pera             | nure            | upo                             | n rte                 | veipt                         |                |   | 1.           | 1         | •C                                   |          |

ч.



| Client:    | Yales Petro Icum |
|------------|------------------|
| Date/Time: | 6.11.10 9:45     |
| Lab.ID # : | 376799 / 376805  |
| Initiale   | A1               |

#### 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

| ient:    | 19165 PETRO ICUM |   |
|----------|------------------|---|
| te/Time: | 6.11.10 9:45     | _ |
| b.ID#:   | 376799 / 376805  | _ |
| itials:  | AL               | - |
|          |                  |   |

**XENCO** Laboratories

Atlanta, Boca Raton, Corpus Christi. Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

#### Sample Receipt Checklist

| 1. Samples on ice?  | Blue        | Water     | No          |                |
|---|-------------|-----------|-------------|----------------|
| 2. Shipping container in good condition?                            | Yes         | No        | None        |                |
| 3. Custody seals intact on shipping container (cooler) and bottles? | Yes         | No        | N/A         |                |
| 4. Chain of Custody present?  | Yes         | No        |             |                |
| 5. Sample instructions complete on chain of custody?                | Yes         | No        |             |                |
| 6. Any missing / extra samples?                                     | Yes         | No        |             |                |
| 7. Chain of custody signed when relinquished / received?            | Yes         | No        |             |                |
| 8. Chain of custody agrees with sample label(s)?                    | (Yes)       | No        |             |                |
| 9. Container labels legible and intact?                             | (Yes)       | No        | t starter   |                |
| 10. Sample matrix / properties agree with chain of custody?         | Xes         | No        | 4<br>1      |                |
| 11. Samples in proper container / bottle?                           | Tes         | No        |             |                |
| 12. Samples properly preserved?                                     | Yes         | No        | N/A 🖂       |                |
| 13. Sample container intact?  | Yes         | No        |             | and the second |
| 14. Sufficient sample amount for indicated test(s)?                 | Yes         | No        |             |                |
| 15. All samples received within sufficient hold time?               | (Yes)       | No        |             |                |
| 16. Subcontract of sample(s)?                                       | Yes         | No        | NA          |                |
| 17. VOC sample have zero head space?                                | Yes         | No        | N/A         |                |
| 18. Cooler 1 No. Cooler 2 No. Cooler 3 No.                          | Cooler 4 No | <b>).</b> | Cooler 5 No |                |
|   | °C lbs      | °0        | ) ibs       | °(             |

#### Nonconformance Documentation

| · · · ·                |
|------------------------|
|                        |
|                        |
| 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

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

### Bratcher, Mike, EMNRD

From:Bratcher, Mike, EMNRDSent:Thursday, January 20, 2011 4:36 PMTo:'Bob Asher'Cc:Jerry FanningSubject: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 <u>2RP-534</u>, 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

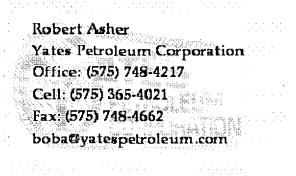
From: Bob Asher [mailto:BobA@yatespetroleum.com]
Sent: Thursday, January 20, 2011 3:28 PM
To: Bratcher, Mike, EMNRD
Cc: Jerry Fanning
Subject: Closure Request (Laney AGJ Federal Com. #1)

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.



| Received by OCD: 7/31/2022 7:10:14 PM<br>District I<br>1625 N. French Dr., Hobbs, NM 88240<br>District II<br>1301 W. Grand Avenue, Artesia, NM 88210<br>District III<br>1000 Rio Brazos Road, Aztec, NM 87410<br>District IV<br>1220 S. St. Francis Dr., Santa Fe, NM 87505 | State of New Mexico<br>Energy Minerals and Natural Resources<br>Oil Conservation Division<br>1220 South St. Francis Dr.<br>Santa Fe, NM 87505 | Page 81 of 82<br>Form C-141<br>Revised October 10, 2003<br>Submit 2 Copies to appropriate<br>District Office in accordance<br>with Rule 116 on back<br>side of form |
|---|---|---|
| Re  | lease Notification and Corrective Action  |   |

|                                     |                            |                               | Rele                       | ase Notific  | atio                    | n and Co                          | rrective A   | ction                                  |                   |                             |                |               |
|-------------------------------------|----------------------------|-------------------------------|----------------------------|--|-------------------------|-----------------------------------|--|--|-------------------|-----------------------------|----------------|---------------|
|                                     |                            |                               |                            | OI   | PERA                    | TOR                               |  |  | Initial           | Report                      | 🖂 Final        | Report        |
| Name of Co<br>Yates Petro           |                            | ooration                      |                            | OGRID Nun<br>25575   |                         | Contact<br>Robert Ashe            |  |  |                   |                             |                |               |
| Address<br>104 S. 4 <sup>TH</sup> S | Street                     |                               |                            |  |                         | Telephone N<br>575-748-14         |  |  |                   |                             |                |               |
| Facility Nat<br>Laney AGJ           |                            | om. #1                        |                            | API Number 30-015-2609   |                         | Facility Typ<br>Battery           | e  | •                                      |                   | · ·                         |                |               |
| Surface Ow<br>Fee                   | mer                        |                               |                            | Mineral C<br>Federal   | )wner                   |                                   |  |  | ease N<br>IM-184  |                             |                |               |
|                                     |                            |                               |                            | LOCA   | TIO                     | N OF REI                          | EASE   |  | ·.,               |                             |                |               |
| Unit Letter<br>K                    | Section<br>11              | Township<br>18S               | Range<br>24E               | Feet from the<br>1980  | North                   | /South Line<br>South              | Feet from the<br>1980  | East/West<br>West                      |                   | County<br>Eddy              | · .            |               |
|                                     | .1                         | 4. <u></u>                    | <br>                       | Latitude 32.   | 74642                   | _ Longitude                       | 104.54369  | ·                                      |                   | · · ·                       |                |               |
|                                     |                            |                               |                            | NAT  | URE                     | OF REL                            | EASE   |  | •                 |                             |                |               |
| Type of Rele<br>Oil & Produ         | ced Water                  | · · ·                         |                            | · · · · · · · · · · · · · · · · · · ·                            |                         | Volume of 128 B/O &               | 5 B/PW   | ( 0 I                                  | 3/0 & (           | Recovered<br>0 B/PW         |                |               |
| Source of Re<br>Production ta       | ank                        | ·                             |                            |  |                         | 5/19/2010,                        |  | 5/                                     | 9/2010            | Hour of D<br>), AM          | iscovery       |               |
| Was Immedi                          | ate Notice                 |                               | Yes                        | ] No 🗌 Not Re  | equired                 | If YES, To<br>Mike Brate          | Whom?<br>her/NMOCD Ar  |  | lat, s            |                             |                |               |
| By Whom?<br>Robert Ashe             | r/YPC Envi                 | ironmental                    |                            |  |                         | Date and H<br>5/19/2010,          | lour<br>PM (voicemail &  | k e-mail)                              | ****              |                             | · :            |               |
| Was a Water                         | course Rea                 |                               | ] Yes 🛛                    | ] No   |                         | If YES, Vo<br>N/A                 | olume Impacting  | the Waterco                            | urse.             | ÷.,                         |                |               |
| If a Waterco<br>N/A                 | urse was In                | pacted, Desci                 |                            |  |                         |                                   |  |  | F                 | RECE                        | EIVED          |               |
| Describe Ca<br>Hole in botto        |                            | lem and Reme                  | dial Actio                 | n Taken.*  |                         |                                   |  | ······································ | ·                 | jan <b>2</b>                | 2011           | 1             |
| Describe Ar                         | an Affected                | and Cleanup                   | Action Tal                 | ken.*<br>oduced water to re                                      | ecover.                 | Production ta                     | nk to be pulled a  | nd vertical/h                          |                   | VIQCID                      | ARTESIA        | ne            |
| & BTEX are                          | pacted soils<br>ander RRA  | . Vertical and AL's a Final R | l horizonta<br>leport, C-1 | l delineation sam<br>41 will be submit<br>round Water: >1        | ples will<br>ted to th  | l be taken and<br>ne OCD reque    | analysis ran for sting closure. If   | TPH & BTE<br>the analytica             | X. If a al result | nitial analy<br>ts are abov | e the RRAL a   | r TPH<br>work |
| Engineer), V                        | Wellhead P                 | rotection Are                 | ea: No, Di                 | stance to Surface  | e Water                 | Body: >1000                       | )', SITE RANKI   |  |                   |                             |                |               |
| I hereby cert<br>regulations a      | ify that the all operators | information g                 | iven abov<br>to report a   | e is true and comp<br>nd/or file certain r<br>ce of a C-141 repo | olete to t<br>release r | the best of my<br>notifications a | knowledge and under the second | ctive actions                          | for rel           | eases whic                  | ch may endange | er            |
| should their or the enviro          | operations l               | have failed to                | adequately<br>OCD accep    | v investigate and r<br>ptance of a C-141                         | emedia                  | te contaminat                     | on that pose a the   | reat to groun                          | id wate           | r, surface v                | water, human h | ealth         |
| Signature:                          | $\bigcap$                  | er a                          | L .                        | <u></u>  |                         |                                   | OIL CON  | SERVAT                                 | ΓΙΟΝ<br>#         | DIVISI                      | ON             |               |
| Printed Nam                         | ne: Robert A               | sher                          |                            |  |                         | Approved by                       | Signed By<br>District Supervis   | sor:                                   | OLMA              | ula-                        | <b></b>        |               |
|                                     |                            |                               |                            |  |                         |                                   | Ilan la  | 011 -                                  |                   |                             | 1.             |               |

| Title: Environmental Regulatory Agent   | Approval Date: /    |                   |           |      |         |          |  |
|---|---------------------|-------------------|-----------|------|---------|----------|--|
| E-mail Address: boba@yatespetrpoleun.co | m                   | Conditions of App | oroval: 🖊 | JA.  | NR.1    | Attached |  |
| Date: Thursday, January 20, 2011        | Phone: 575-748-4217 | 2RP-534           |           | TIMA | Nepovil |          |  |

\* Attach Additional Sheets If Necessary

# C-141 10, 2003 oropriate cordance on back of form

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

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

#### CONDITIONS

| Created By |      | Condition<br>Date |
|------------|------|-------------------|
| amaxwell   | None | 2/27/2023         |

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.

Action 129923