

MARTIN YATES, III  
1912-1985

FRANK W. YATES  
1936-1986

S.P. YATES  
1914-2008



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

JOHN A. YATES  
CHAIRMAN OF THE BOARD  
PRESIDENT

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ASSISTANT TO THE PRESIDENT

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JOHN D. PERINI  
CHIEF FINANCIAL OFFICER

September 24, 2009

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

Re: Creek AL Federal #12  
30-015-27775  
Section 25, T18S-R30E  
Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on February 14, 2009 (40 B/O & 40 B/ PW release with approximately 30 B/O & 10 B/PW recovered). Per the February 18, 2009 C-141, Initial Report submitted to your office, heavily impacted soils were excavated and taken to an OCD approved facility. Vertical and horizontal delineation samples were taken on September 3, 2009 and sent to an OCD approved laboratory. Enclosed are the analytical reports and sample diagram. Site ranking is zero (0), with the depth to ground water >100' (approximately 184'). RRAL's based on the site ranking of 0, BTEX (ppm) @ 50 and TPH (ppm) @ 5000, (chlorides are for documentation). sample results are within these limits. Yates Petroleum Corporation requests closure based on the corrective actions taken and analytical results.

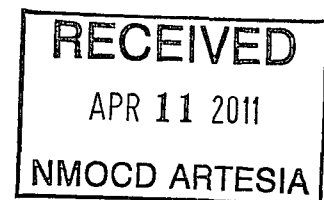
If you have any questions, please call me at 575-748-4217.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher  
Environmental Regulatory Agent

/rca  
Enclosure(s)



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

State of New Mexico  
Energy Minerals and Natural Resources

FEB 24 2009

Form C-141  
Revised October 10, 2003

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

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

Release Notification and Corrective Action

OPERATOR

X Initial Report Final Report

Name of Company Yates Petroleum Corporation	Contact Mike Stubblefield	
Address 105 South 4 <sup>th</sup> Street, Artesia, N.M. 88210	Telephone No. 505-7484500 505-513-1712	
Facility Name Creek AL Federal #12 30-015-27775	Facility Type Oil Well	
Surface Owner B.L.M.	Mineral Owner B.L.M.	Lease No.

LOCATION OF RELEASE

Unit Letter E	Section 25	Township 18s	Range 30e	Feet from the 1405'	North/South Line FNL	Feet from the 330'	East/West Line FWL	County Eddy
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Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

NATURE OF RELEASE

Type of Release Hydrocarbon & Produced Water	Volume of Release 40 bbls Hydrocarbon 40 bbls Produced water	Volume Recovered 30 bbls Hydrocarbon 10 bbls Produced water
Source of Release Flow line leak	Date and Hour of Occurrence 2/14/2009 8:00am	Date and Hour of Discovery same
Was Immediate Notice Given? Yes X No Not Required	If YES, To Whom? NMOCD/after hours voice mail box.	
By Whom? Mike Stubblefield	Date and Hour 2/14/2009 10:45am	
Was a Watercourse Reached? <input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
A new flow line was being installed, after being told the new line was ready for service the well was placed back into production. It was then discovered one weld was not completed leaving the flow line opened ended. The well was shut-in and a vacuum truck was called to the location Free standing fluids were recovered. The new flow line installation was completed and the well placed back on production.

Describe Area Affected and Cleanup Action Taken.  
The impacted area was located east of the Creek AL Federal #12 location; the release flowed pooled in to the pasture next to the location. The impacted area was measured to be 20'W x 20'L. The weather at the time of the release was clear & dry. The soil in the area of the release is sandy loam overlaying caliches. The visibly impacted soil was excavated to a depth of 3' bgs and then hauled to an NMOCD Solid waste disposal facility. Soil samples will be taken for analytical from the excavated area. The soil samples taken will be submitted to a second party Lab. The soil samples will be analyzed for TPH using EPA method 8015M & B-TEX using EPA method 8020B.  
When analytical results for a soil sample taken from the excavated area reflect the TPH & B-TEX to be under the RRAL for the site, a final C-141 form will be submitted to NMOCD requesting closure for the release that occurred on 2/14/2009.  
Depth to ground water -> 100', Wellhead protection area -> 1000', Distance to surface water body -> 1000' Site ranking score 0 points.

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

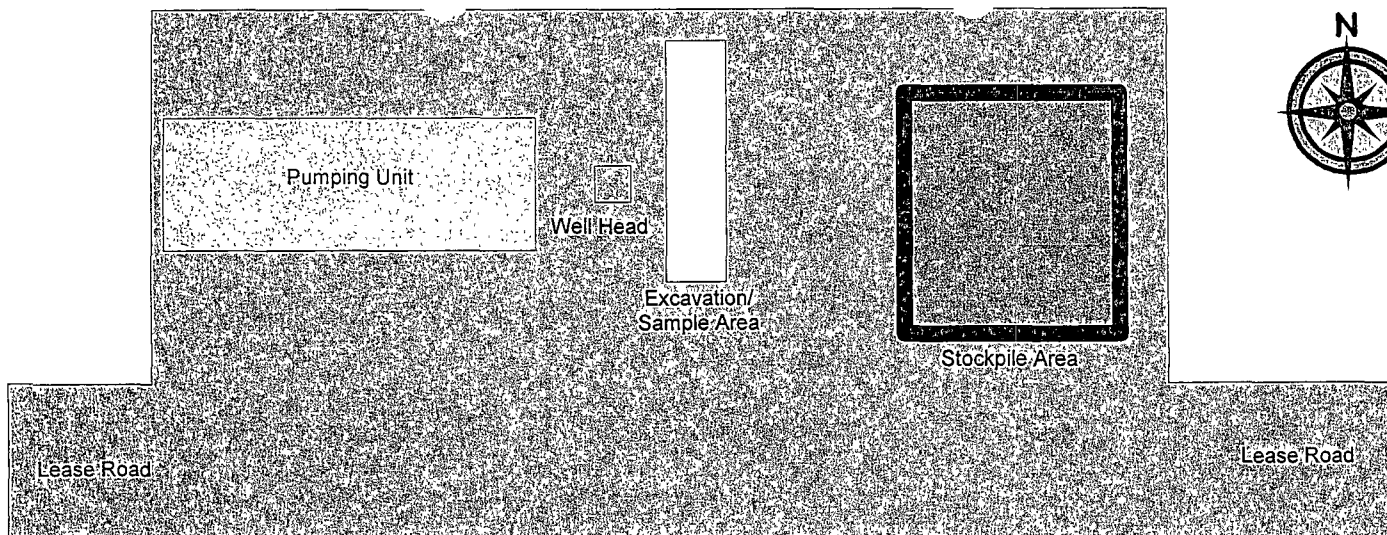
Signature <u>Mike Stubblefield</u>	OIL CONSERVATION DIVISION	
Printed Name: Mike Stubblefield	Approved by District Supervisor: <u>Mike Brannon</u>	
Title: Environmental Regulatory Agent	Approval Date: <u>4/4/11</u>	Expiration Date:
E-mail Address: mikes@ypcnm.com	Conditions of Approval:	
Date: 2/18/2009 Phone: 505-748-4500	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

REMEDIAL per OCD Rules and  
Guidelines. SUBMIT REMEDIATION  
PROPOSAL BY:

5/4/11

2 RP-702



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TPH TOTAL	Chlorides
GS/Comp-001	9/3/2009	Grab/Auger	1'	ND	ND	25.8	25.8	8.92
GS/Comp-002	9/3/2009	Grab/Auger	2'	ND	ND	15.4	15.4	6.03
GS/Comp-003	9/3/2009	Grab/Shovel	6"	ND	ND	1040.0	1040.0	1490

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 184'). All results are ppm.



Creek AL Federal #12  
30-015-12775

Section 25, T18S-R30E

Eddy County, NM

**SAMPLE DIAGRAM (Not to Scale)**

Xenco Laboratories#: 343500 & 343501  
Report Date: 9/10/2009

Prepared by Robert Asher  
Environmental Regulatory Agent

# Analytical Report 343501

for

## Yates Petroleum Corporation

Project Manager: Robert Asher

Creek AL Federal # 12

30-015-27775

10-SEP-09



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-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 (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), 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 (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida (E86240),

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



10-SEP-09

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

Reference: XENCO Report No: **343501**  
**Creek AL Federal # 12**  
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 343501. 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. 343501 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 343501



Yates Petroleum Corporation, Artesia, NM

Creek AL Federal # 12

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Sep-03-09 10:50	1 - 1 ft	343501-001
GS/Comp-002	S	Sep-03-09 11:03	2 - 2 ft	343501-002
GS/Comp-003	S	Sep-03-09 11:31	6 - 6 in	343501-003



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Creek AL Federal # 12*

*Project ID: 30-015-27775*

*Report Date 10-SEP-09*

*Work Order Number: 343501*

*Date Received 09/04/2009*

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**Sample receipt non conformances and Comments:**

None

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

None

**Analytical Non Conformances and Comments:**

Batch: LBA-771219 Inorganic Anions by EPA 300

None

Batch: LBA-771222 Percent Moisture

None



# Certificate of Analysis Summary 343501

Yates Petroleum Corporation, Artesia, NM

Project Name: Creek AL Federal # 12



Project Id: 30-015-27775

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Sep-04-09 12:10 pm


Report Date: 10-SEP-09

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	343501-001	343501-002	343501-003			
	<i>Field Id:</i>	GS/Comp-001	GS/Comp-002	GS/Comp-003			
	<i>Depth:</i>	1-1 ft	2-2 ft	6-6 in			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Sep-03-09 10 50	Sep-03-09 11 03	Sep-03-09 11 31			
Anions by EPA 300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Sep-04-09 16 13	Sep-04-09 16 13	Sep-04-09 16 13			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		8 92 5 04	6 03 5 08	1490 50 8			
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Sep-08-09 08 50	Sep-08-09 08 50	Sep-08-09 08 50			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		ND 1 00	1 67 1 00	1 61 1 00			

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

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Brent Barron, II  
Odessa Laboratory Manager



# XENCO-Environmental Lab of Texas

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

Phone. 432-553-1600  
Fax. 432-553-1713

Project Manager: Robert Asher

Project Name: Creek AL Federal #12

Company Name: Yates Petroleum Corporation

Project #: 30-015-27775

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 103842

Telephone No: 505-748-4217

Fax No: 505-748-4882

Report Format: ☒ Standard ☐ THRP ☐ NPDES

Sampler Signature: *Robert Asher*

e-mail: bobaj@yatespetroleum.com

ORDER #		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Photo	Field # of Containers	Preservation & # of Containers	Matrix	Analyze For																		
343501		343501										TCLP	TOT-PC	As	Cd	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Se	Si	Sr	Ta	Ti	V	Zn	
01	GS/Comp-001	1'	1'	9/3/2009	10:50 AM																									
02	GS/Comp-002	2'	2'	9/3/2009	11:03 AM																									
03	GS/Comp-003	6'	6'	9/3/2009	11:31 AM																									
PLEASE PUT CHLORIDES ON SEPARATE REPORT																														
Special Instructions: TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you																														
Relinquished by: Robert Asher		Date: 09/03/09		Time: 2:45 PM		Received by:		Date:		Time:		Laboratory Comments: Sample Containers: 1100's Free of Headspace. Location: 30-015-27775. Custody seals on containers. Sample Hand Delivered by Sampler Client Rep. by Courier? UPS. Temperature Upon Receipt:																		
Relinquished by: Fedex		Date:		Time:		Received by: [Signature]		Date:		Time:																				



## 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
- \* Outside XENCO's scope of NELAC Accreditation.

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4143 Greenbriar Dr. Stafford, Tx 77477  
9701 Harry Hines Blvd., Dallas, TX 75220  
5332 Blackberry Drive, San Antonio TX 78238  
2505 North Falkenburg Rd. Tampa, FL 33619  
5757 NW 158th St. Miami Lakes, FL 33014  
12600 West I-20 East, Odessa, TX 79765  
842 Cantwell Lane Corpus Christi, TX 78408

Phone	Fax
(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

**Environmental Lab of Texas**  
Variance/ Corrective Action Report- Sample Log-In

Client Yates Petroleum  
Date/ Time 9 4 09 12:10  
Lab ID # 34350 / 343501  
Initials al

**Sample Receipt Checklist**

				Client Initials	
#1	Temperature of container/ cooler?	<u>(Yes)</u>	No	<u>5.1</u>	* C
#2	Shipping container in good condition?	<u>(Yes)</u>	No		
#3	Custody Seals Intact on shipping container/ cooler?	<u>Yes</u>	No	<u>Not Present</u>	
#4	Custody Seals intact on sample bottles/ container?	<u>(Yes)</u>	No	<u>Not Present</u>	
#5	Chain of Custody present?	<u>(Yes)</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>(Yes)</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>(Yes)</u>	No		
#8	Chain of Custody agrees with sample label(s)?	<u>(Yes)</u>	No	<u>ID written on Cont / Lid</u>	
#9	Container label(s) legible and intact?	<u>(Yes)</u>	No	<u>Not Applicable</u>	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>(Yes)</u>	No		
#11	Containers supplied by ELOT?	<u>(Yes)</u>	No		
#12	Samples in proper container/ bottle?	<u>(Yes)</u>	No	<u>See Below</u>	
#13	Samples properly preserved?	<u>(Yes)</u>	No	<u>See Below</u>	
#14	Sample bottles intact?	<u>(Yes)</u>	No		
#15	Preservations documented on Chain of Custody?	<u>(Yes)</u>	No		
#16	Containers documented on Chain of Custody?	<u>(Yes)</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>(Yes)</u>	No	<u>See Below</u>	
#18	All samples received within sufficient hold time?	<u>(Yes)</u>	No	<u>See Below</u>	
#19	Subcontract of sample(s)?	<u>Yes</u>	No	<u>Not Applicable</u>	
#20	VOC samples have zero headspace?	<u>(Yes)</u>	No	<u>Not Applicable</u>	

**Variance Documentation**

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

Regarding \_\_\_\_\_

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

- Check all that Apply
- ☐ See attached e-mail/ fax
  - ☐ Client understands and would like to proceed with analysis
  - ☐ Cooling process had begun shortly after sampling event

# Analytical Report 343500

for

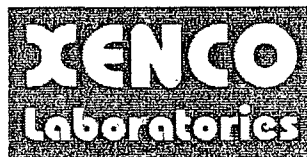
## Yates Petroleum Corporation

Project Manager: Robert Asher

Creek AL Federal # 12

30-015-27775

10-SEP-09



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-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 (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), 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 (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida (E86240),

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



10-SEP-09

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

Reference: XENCO Report No: 343500  
Creek AL Federal # 12  
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 343500. 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. 343500 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 343500



Yates Petroleum Corporation, Artesia, NM

Creek AL Federal # 12

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Sep-03-09 10:50	1 - 1 ft	343500-001
GS/Comp-002	S	Sep-03-09 11:03	2 - 2 ft	343500-002
GS/Comp-003	S	Sep-03-09 11:31	6 - 6 In	343500-003



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Creek AL Federal # 12*

*Project ID: 30-015-27775*

*Work Order Number: 343500*

*Report Date: 10-SEP-09*

*Date Received: 09/04/2009*

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***Sample receipt non conformances and Comments:***

*None*

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

*None*

***Analytical Non Conformances and Comments:***

*Batch: LBA-771222 Percent Moisture*

*None*

*Batch: LBA-771272 BTEX-MTBE EPA 8021B*

*SW8021BM*

*Batch 771272, 4-Bromofluorobenzene recovered below QC limits Data not confirmed by re-analysis. Samples affected are: 537124-1-BLK.*

*SW8021BM*

*Batch 771272, Toluene recovered below QC limits in the Matrix Spike.*

*Samples affected are: 343500-001, -002, -003.*

*The Laboratory Control Sample for Toluene is within laboratory Control Limits*

*Batch: LBA-771675 TPH by SW 8015B*

*None*



# Certificate of Analysis Summary 343500

Yates Petroleum Corporation, Artesia, NM

Project Name: Creek AL Federal # 12



Project Id: 30-015-27775

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Sep-04-09 12:10 pm

Report Date: 10-SEP-09

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	343500-001	343500-002	343500-003			
	Field Id:	GS/Comp-001	GS/Comp-002	GS/Comp-003			
	Depth:	1-1 ft	2-2 ft	6-6 In			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	Sep-03-09 10 50	Sep-03-09 11 03	Sep-03-09 11 31			
BTEX by EPA 8021B	Extracted:	Sep-04-09 12 30	Sep-04-09 12 30	Sep-04-09 12 30			
	Analyzed:	Sep-04-09 18 30	Sep-05-09 09 56	Sep-05-09 10 15			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		ND 0 0010	ND 0 0010	ND 0 0010			
Toluene		ND 0 0020	ND 0 0020	ND 0 0020			
Ethylbenzene		ND 0 0010	ND 0 0010	ND 0 0010			
m,p-Xylenes		ND 0 0020	ND 0 0020	ND 0 0020			
o-Xylene		ND 0 0010	ND 0 0010	ND 0 0010			
Total Xylenes		ND 0 0010	ND 0 0010	ND 0 0010			
Total BTEX		ND 0 0010	ND 0 0010	ND 0 0010			
Percent Moisture	Extracted:	Sep-08-09 08 50	Sep-08-09 08 50	Sep-08-09 08 50			
	Analyzed:	Sep-08-09 08 50	Sep-08-09 08 50	Sep-08-09 08 50			
	Units/RL:	% RL	% RL	% RL			
Percent Moisture		ND 1 00	1 67 1 00	1 61 1 00			
TPH By SW8015B Mod	Extracted:	Sep-09-09 09 39	Sep-09-09 09 39	Sep-09-09 09 39			
	Analyzed:	Sep-10-09 01 01	Sep-10-09 07 55	Sep-10-09 08 19			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		ND 15 1	ND 15 3	ND 15 2			
C10-C28 Diesel Range Hydrocarbons		25 8 15 1	15 4 15 3	1040 15 2			
Total TPH		25 8 15 1	15 4 15 3	1040 15 2			

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

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Brent Barron, II  
Odessa Laboratory Manager





## Flagging Criteria



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

**BRL** Below Reporting Limit.

**RL** Reporting Limit

\* Outside XENCO's scope of NELAC Accreditation.

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(361) 884-0371	(361) 884-9116

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

Phone: 432-563-1600  
Fax: 432-563-1713

**Project Manager:** Robert Asher

Project Nanno, Creek AL Federal #12

Company Name Yates Petroleum Corporation

Project # 30-015-27775

Company Address: 105 South 4th Street

**Project Loc: Eddy County**

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No. 505-748-4217

Fax No 595-748-4882

Report Format. ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: 

e-mail:  bobai@yatespetroleum.com

[illegible]

Environmental Lab of Texas  
Variance/ Corrective Action Report- Sample Log-In

Client Nates Petroleum  
Date/ Time 9 4 09 17 10  
Lab ID # 343501 / 343501  
Initials all

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>(Yes)</u>	No	<u>5.1</u> °C
#2	Shipping container in good condition?	<u>(Yes)</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	<u>(Not Present)</u>
#4	Custody Seals intact on sample bottles/ container?	<u>(Yes)</u>	No	<u>Not Present</u>
#5	Chain of Custody present?	<u>(Yes)</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>(Yes)</u>	No	
#7	Chain of Custody signed when relinquished/ received?	<u>(Yes)</u>	No	
#8	Chain of Custody agrees with sample label(s)?	<u>(Yes)</u>	No	<u>ID written on Cont / Lid</u>
#9	Container label(s) legible and intact?	<u>(Yes)</u>	No	<u>Not Applicable</u>
#10	Sample main/ properties agree with Chain of Custody?	<u>(Yes)</u>	No	
#11	Containers supplied by ELOT?	<u>(Yes)</u>	No	
#12	Samples in proper container/ bottle?	<u>(Yes)</u>	No	<u>See Below</u>
#13	Samples properly preserved?	<u>(Yes)</u>	No	<u>See Below</u>
#14	Sample bottles intact?	<u>(Yes)</u>	No	
#15	Preservations documented on Chain of Custody?	<u>(Yes)</u>	No	
#16	Containers documented on Chain of Custody?	<u>(Yes)</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>(Yes)</u>	No	<u>See Below</u>
#18	All samples received within sufficient hold time?	<u>(Yes)</u>	No	<u>See Below</u>
#19	Subcontract of sample(s)?	<u>(Yes)</u>	No	<u>(Not Applicable)</u>
#20	VOC samples have zero headspace?	<u>(Yes)</u>	No	<u>Not Applicable</u>

Variance Documentation

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

Regarding \_\_\_\_\_

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

- Check all that Apply
- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event