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

### State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

Oil Conservation Division 1220 South St. Francis Dr.

OCT 2.6 7009 HORKSINI Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back

1RP-09-11-2327

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				OI	PERA	TOR			☐ Initia	l Report	$\boxtimes$	Final Report		
Name of Co Yates Petro		oration		OGRID Nun 25575	nber	Contact Robert Ashe	er							
Address 104 S. 4 <sup>TH</sup> S	Street					Telephone N 575-748-14								
Facility Nar Raitt BID S				API Number 30-025-37982		Facility Typ Battery	e							
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Signature:		401	•							DIVISIO	<u>ON</u>			
Printed Name	e: Robert A	sher_				Approved by	ENV ENCY District Super		Skerke	hey.	L	im		
Title: Enviror	nmental Re	gulatory Agen	t			Approval Dat	te: 01/20/1	0	Expiration	Date:		2		
E-mail Addre	ess: boba@	yatespetroleun	n.com			Conditions of	f Approval:			Attached	ı 🗆			

IRP-09-11-2327

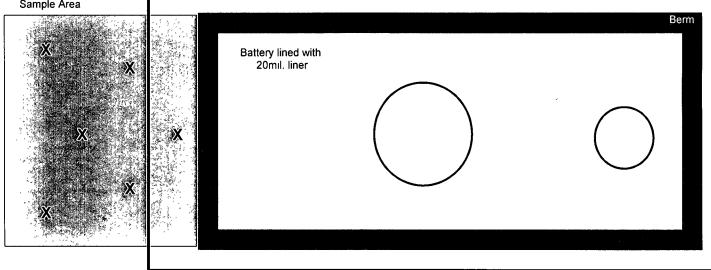
Phone: 575-748-4217

Date: Thursday, October 22, 2009

<sup>\*</sup> Attach Additional Sheets If Necessary



Release/ Sample Area



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
@\$/Comp=001	10/19/2009	Grab/Shovel	6"	0.0015	BRL	137	137	102

Site Ranking is Twenty (20). Depth to Ground Water <50' (approx. 40'). All results are ppm. Impacted soils were excavated and taken to an OCD approved facility.

X - Delineation Samples. BRL - Below Reportin Limit.

Fence



Raitt BID State #1
Section 35, T10S-R32E
Lea County, NM

### **SAMPLE DIAGRAM (Not to Scale)**

Xenco Laboratories: #348725 & 348726 Report Date: 10/21/2009

> Prepared by Robert Asher Environmental Regulatory Agent

# **Analytical Report 348726**

for

## **Yates Petroleum Corporation**

Project Manager: Robert Asher

Riatt BID State # 1 30-025-37982

21-OCT-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)





21-OCT-09

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

Reference: XENCO Report No: 348726

Riatt BID State #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 348726. 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. 348726 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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

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# **Sample Cross Reference 348726**



### Yates Petroleum Corporation, Artesia, NM

Riatt BID State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Oct-15-09 09:58	6 - 6 In	348726-001

### CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Riatt BID State # 1

Project ID.

30-025-37982

Work Order Number: 348726

Report Date: 21-OCT-09

Date Received: 10/16/2009

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

**Analytical Non Conformances and Comments:** 

Batch: LBA-777740 Percent Moisture

None

Batch: LBA-777745 Inorganic Anions by EPA 300

None



# Certificate of Analysis Summary 348726

Yates Petroleum Corporation, Artesia, NM

Project Name: Riatt BID State # 1



Project Id: 30-025-37982

Project Location: Eddy County

Contact: Robert Asher

Date Received in Lab: Fri Oct-16-09 09:55 am

Report Date: 21-OCT-09

Project Manager: Brent Barron, II

				Project Manager:	Dient Barron, II	
	Lab Id:	348726-001				
Analysis Paguastad	Field Id:	GS/Comp-001				
Analysis Requested	Depth:	6-6 In				
	Matrix:	SOIL				
	Sampled:	Oct-15-09 09 58				
Anions by EPA 300.0	Extracted:					
	Analyzed:	Oct-19-09 09 42				
	Units/RL:	mg/kg RL				
Chloride		102 8 89				
Percent Moisture	Extracted:					
	Analyzed:	Oct-19-09 09 00				
	Units/RL:	% RL				
Percent Moisture		5 52 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 after the presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron, II Odessa Laboratory Manager



## Flagging Criteria



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

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

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# XENCO-Environmental Lab of Texas

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

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	C.ty/State/Zip	Artesia, NM 89210						1							_			P	0#	105	632									
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LAB# (lab use only)	FIEI	LD CODE	Beginning Depth	Ending Depth	Date Semples	Time Sampled	Paid Fittered	Cobal B, of Gotter 1,41%	, K, , 64	rico)	H-O.	NaO+	1,5,5,0,3	Here Obsert County	ENVEDORATING WATER SL-St Jan		MOTON CAN	T> 1005 TX 10	Carotti (Ca, Kig Na, Ki	Anons (C) SEA, AN alray)	SARTISBICEC	Metals 4s 4g Ba Cd Cr Pb Hg Se	Voleties Sennadables	03-1 x 215x 203-18-5030 or 675 x 7-260	TC#	NORY	Chloridas		RUSH TAT (Pro-Schedule) 24 45 72 hrs	Standard TAT
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### Environmental Lab of Texas

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		proceed with analysis fer sampling event

# **Analytical Report 348725**

for

# **Yates Petroleum Corporation**

Project Manager: Robert Asher

Riatt BID State # 1 30-025-37982

21-OCT-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 (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 (T104704400-08-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)





21-OCT-09

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

Reference: XENCO Report No: 348725

Riatt BID State # 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 348725. 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. 348725 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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

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# Sample Cross Reference 348725



# Yates Petroleum Corporation, Artesia, NM

Riatt BlD State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Oct-15-09 09:58	6 - 6 In	348725-001

#### CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Riatt BID State # 1

Project ID:

30-025-37982

Work Order Number: 348725

Report Date: 21-OCT-09

Date Received: 10/16/2009

### Sample receipt non conformances and Comments:

None

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

None

### Analytical Non Conformances and Comments:

Batch: LBA-777626 BTEX-MTBE EPA 8021B

SW8021BM

Batch 777626, Benzene, Ethylbenzene, Toluene, o-Xylene recovered below QC limits in the

Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 348725-001.

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

laboratory Control Limits

Batch: LBA-777740 Percent Moisture

None

Batch: LBA-777885 TPH by SW 8015B

None



## Certificate of Analysis Summary 348725

### Yates Petroleum Corporation, Artesia, NM

Project Name: Riatt BID State # 1

**Project Id: 30-025-37982** Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Oct-16-09 09:55 am

Report Date: 21-OCT-09

roject Location: Eddy County			P		
			Project Manager	: Brent Barron, Il	
	Lab Id:	348725-001			
American Descripted	Field Id:	GS/Comp-001			
Analysis Requested	Depth:	6-6 In			
	Matrix:	SOIL			
	Sampled:	Oct-15-09 09 58	,		
BTEX by EPA 8021	Extracted:	Oct-17-09 11 00			
	Analyzed:	Oct-17-09 18 54			
	Units/RL:	mg/kg RL			
Benzene		BRL 0 0011			
Toluene		BRL 0 0011			
Ethylbenzene		BRL 0 0011			
m,p-Xylene		BRL 0 0021			
o-Xylene		0 0015 0 0011			
Total Xylenes		0 0015 0 0011			
Total BTEX		0 0015 0 0011			
Percent Moisture	Extracted:				
	Analyzed:	Oct-19-09 09 00			
	Units/RL:	% RL			
Percent Moisture		5 52 1 00			
TPH by SW 8015B	Extracted:	Oct-19-09 15 00			
	Analyzed:	Oct-19-09 19 12			
	Units/RL:	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		BRL 52 8			
C10-C28 Diesel Range Hydrocarbons		137 52 8			
Total TPH 1005	- 11 1	137 52 8			

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

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

Brent Barron, II Odessa Laboratory Manager



# Flagging Criteria



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

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

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# XENCO-Environmental Lab of Texas

#### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odossa, Texas 79765

Phone: 432-563-1868 Fax: 432-563-1713

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	Cr.y/State/Zip	Artesia NM 88210						Ť	1			_							PO #	10	5632									
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### Environmental Lab of Texas

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