

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 105 South 4th Street, Artesia, NM 88210		Telephone No. 505-748-1471
Facility Name Serrano Federal Battery	API Number 30-015-28166	Facility Type Battery

MAR 05 2008

OCD-ARTESIA

Surface Owner Federal	Mineral Owner Federal	Lease No. NM-92748
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LOCATION OF RELEASE

Unit Letter M	Section 11	Township 19S	Range 25E	Feet from the 660	North/South Line South	Feet from the 660	East/West Line West	County Eddy
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Latitude 32.67000 Longitude 104.46139

NATURE OF RELEASE

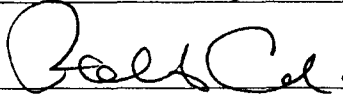
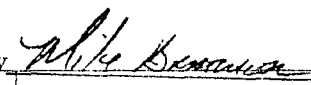
Type of Release Crude Oil & Produced Water	Volume of Release 5 B/O & 95 B/PW	Volume Recovered 4 B/O & 86 B/PW
Source of Release Water tank	Date and Hour of Occurrence 6/1/2007 AM	Date and Hour of Discovery 6/1/2007 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/ NMOCD District 2	
By Whom? Sherry Bonham	Date and Hour 6/4/2007 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Loss of electrical service to water transfer pump. Water tank ran over.

Describe Area Affected and Cleanup Action Taken.*
Area approximately 10' X 100' all contained inside berm, shut wells in, restored electrical power, vacuum truck picked up fluids, vertical and horizontal delineation was made and corrective actions taken. **Depth to Ground Water: 50-99', Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10. With enclosed information, Yates Petroleum Corporation requests closure.**

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

Signature: 	TIM GUM by MB	
Printed Name: Robert Asher	Approved by District Supervisor Signed By 	
Title: Environmental Regulatory Agent	Approval Date: MAR 31 2008	Expiration Date: N/A
E-mail Address: boba@ypcnm.com	Conditions of Approval: n/a	Attached <input type="checkbox"/>
Date: Wednesday, March 05, 2008	Phone: 505-748-4217	

* Attach Additional Sheets If Necessary

350009155147

2RP-151

District I
1625 N. French Dr., Hobbs, NM 88240
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1220 South St. Francis Dr.
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Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
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side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 105 South 4th Street, Artesia, NM 88210		Telephone No. 505-748-1471
Facility Name Serrano Federal Battery	API Number	Facility Type Battery
Surface Owner Federal	Mineral Owner Federal	Lease No. NM-92748

LOCATION OF RELEASE

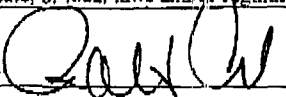
Unit Letter M	Section 11	Township 19S	Range 25E	Feet from the 660	North/South Line South	Feet from the 660	East/West Line West	County Eddy
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Latitude 32.67000 Longitude 104.46139

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 5 B/O & 95 B/PW	Volume Recovered 4 B/O & 86 B/PW
Source of Release Water tank	Date and Hour of Occurrence 6/1/2007 AM	Date and Hour of Discovery 6/1/2007 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/ NMOCD District 2	
By Whom? Sherry Bonham	Date and Hour 6/4/2007 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Loss of electrical service to water transfer pump. Water tank ran over.		
Describe Area Affected and Cleanup Action Taken.* Area approximately 10' X 100' all contained inside berm, shut wells in, restored electrical power, vacuum truck picked up fluids, vertical and horizontal delineation will be made and corrective action taken. Depth to Ground Water: 50-99', Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10.		

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

Signature 	OIL CONSERVATION DIVISION Accepted for record NMOCD	
Printed Name: Robert Asher	Approved by District Supervisor:	
Title: Environmental Regulatory Agent	Approval Date: MAR 31 2008	Expiration Date:
E-mail Address: boba@ypcnm.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: Friday, June 15, 2007	Phone: 505-748-4217	

* Attach Additional Sheets If Necessary

2RP-151

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986



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

S.P. YATES
CHAIRMAN EMERITUS
JOHN A. YATES
CHAIRMAN OF THE BOARD
FRANK YATES, JR.
PRESIDENT
PEYTON YATES
DIRECTOR
JOHN A. YATES, JR.
DIRECTOR

March 5, 2008

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

MAR 05 2008
OCD-ARTESIA

Re: Serrano Federal #1
30-015-28166
Section 11, T19S-R25E
Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on June 1, 2007 (5 B/O and 95 B/PW with 4 B/O and 86 B/PW recovered). Soils were excavated and taken to an OCD approved facility; samples were taken on July 11, 2007 and sent to an OCD approved laboratory (analytical reports enclosed). Further excavation of soils was conducted and samples taken (9/25/2007), nitrogen fertilizer and Microblaze was applied and worked into soil. Samples were taken on February 27, 2008 and sent to an OCD approved laboratory (see sample diagram). Site ranking is ten (10), with the depth to ground water 50-99' (approximately 85'). RRAL's based on the site ranking of 0, BTEX (ppm) @ 50 and TPH (ppm) @ 1000. sample results are within these limits. Based on oil/produced water recovered, soils excavated and remedial actions, Yates Petroleum Corporation requests closure.

If you have any questions, please call me at 505-748-4217.

Thank you.

YATES PETROLEUM CORPORATION


Robert Asher
Environmental Regulatory Agent

/rca
Enclosure(s)

Summary Report

Robert Asher
Yates Petroleum Corp.
105 South 4th South
Artesia, NM. 88210

Report Date: March 4, 2008

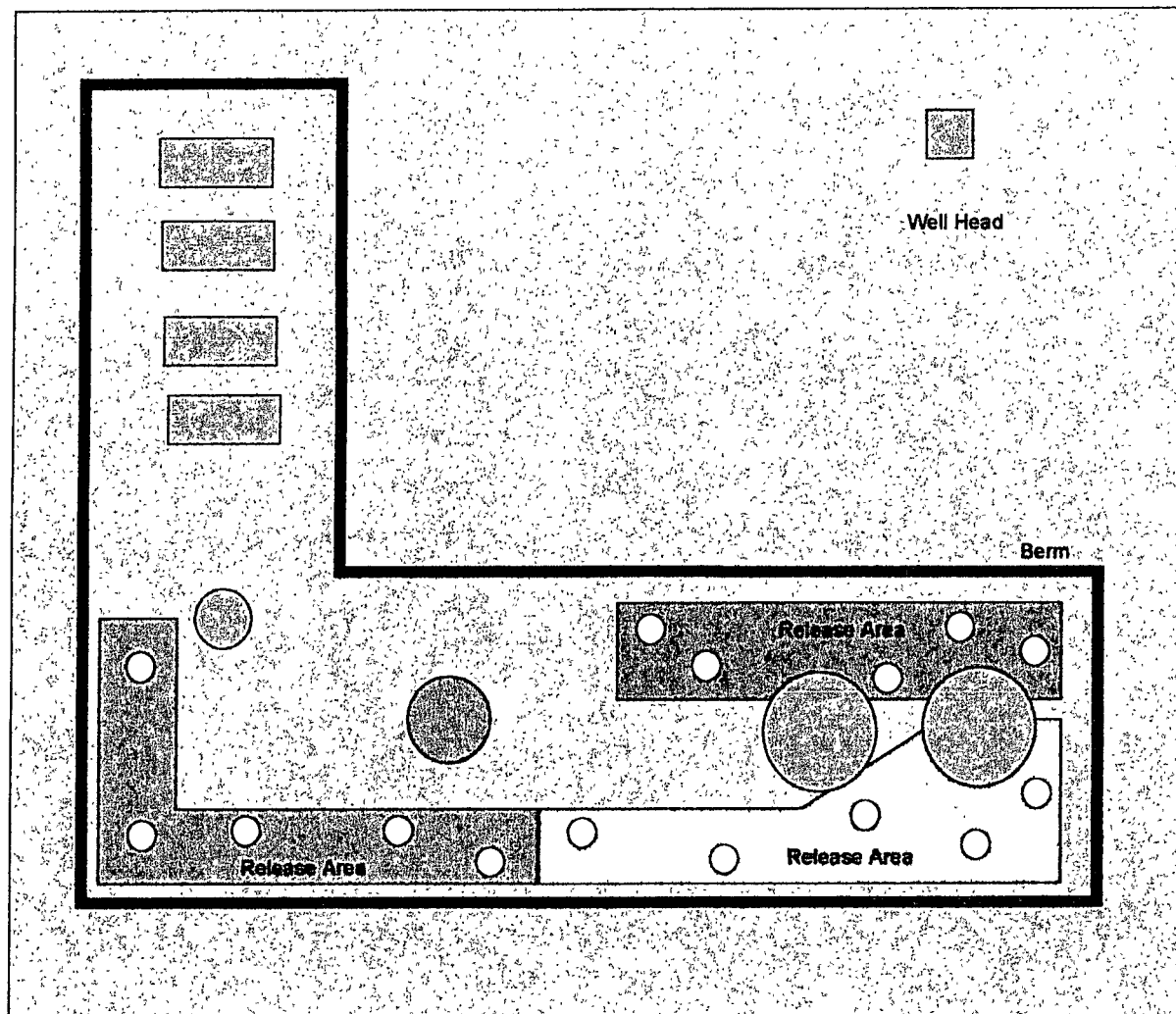
Work Order: 8022824



Project Location: Eddy County, NM
Project Name: Serrano Federal #1
Project Number: 30-015-28166

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
152022	GS/Comp-001	soil	2008-02-27	10:58	2008-02-28
152023	GS/Comp-002	soil	2008-02-27	11:19	2008-02-28

Sample - Field Code	BTEX				TPH DRO	TPH GRO
	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	DRO (mg/kg)	GRO (mg/kg)
152022 - GS/Comp-001	<0.0100	<0.0100	<0.0100	0.0502	109	81.8
152023 - GS/Comp-002	<0.0100	0.210	0.826	3.42	242	155



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TPH TOTAL	Chlorides
GS/Comp-001	7/11/2007	Grab/Auger	1'	47.967	2480	17900	20,380.0	285
GS/Comp-001	9/25/2007	Grab/Auger	1'	ND	94.8	2020	2,114.8	
GS/Comp-002	7/11/2007	Grab/Auger	1'	40.089	921	6360	7,281.0	237
GS/Comp-002	9/25/2007	Grab/Auger	1'	ND	22.1	157.1	179.2	
GS/Comp-003	7/11/2007	Grab/Auger	1'	39.4523	750	3640	4,390.0	201
GS/Comp-003	9/25/2007	Grab/Auger	1'	0.677	400	1100	1,500.0	
Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TPH TOTAL	Chlorides
GS/Comp-001	2/27/2008	Grab/Auger	1'	0.0502	81.8	109	190.8	
GS/Comp-002	2/27/2008	Grab/Auger	1'	4.466	155	242	397.0	

Site Ranking is Ten (10). Depth to Ground Water: 50'-99' (approx. 85'). All results are ppm.



Serrano Federal Battery
Section 11, T19S-R25E
Eddy County, NM

EXHIBIT
Sample Diagram (Not to Scale)

Prepared by Robert Asher
Environmental Regulatory Agent
March 5, 2008

Analytical Report 290258

for

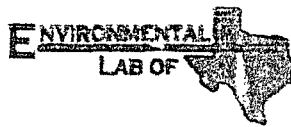
Yates Petroleum Corporation

Project Manager: Robert Asher

Serrano Federal # 1

30-015-28166

01-OCT-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:

Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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



01-OCT-07

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

Reference: XENCO Report No: **290258**
Serrano 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 290258. 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. 290258 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

Odessa Laboratory Director

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Sample Cross Reference 290258

Yates Petroleum Corporation, Artesia, NM

Serrano Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Sep-25-07 10:48	8 - 12 In	290258-001
GS/Comp-002	S	Sep-25-07 11:08	8 - 12 In	290258-002
GS/Comp-003	S	Sep-25-07 11:29	1 - 1 ft	290258-003



Certificate of Analysis Summary 290258

Yates Petroleum Corporation, Artesia, NM

Project Name: Serrano Federal # 1

Project Id: 30-015-28166

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Wed Sep-26-07 10:15 am

Report Date: 01-OCT-07

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	290258-001	290258-002	290258-003			
	<i>Field Id:</i>	GS/Comp-001	GS/Comp-002	GS/Comp-003			
	<i>Depth:</i>	8-12 in	8-12 in	1-1 ft			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Sep-25-07 10:48	Sep-25-07 11:08	Sep-25-07 11:29			
BTEX by EPA 8021B	<i>Extracted:</i>	Sep-27-07 16:00	Sep-27-07 16:00	Sep-27-07 16:00			
	<i>Analyzed:</i>	Sep-27-07 19:43	Sep-27-07 20:00	Sep-27-07 20:16			
	<i>Units:RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		ND 0.0012	ND 0.0012	ND 0.0012			
Toluene		ND 0.0012	ND 0.0012	0.0938 0.0012			
Ethylbenzene		ND 0.0012	ND 0.0012	0.0323 0.0012			
m,p-Xylene		ND 0.0024	ND 0.0024	0.3970 0.0024			
o-Xylene		ND 0.0012	ND 0.0012	0.1549 0.0012			
Total Xylenes		ND	ND	0.5859			
Total BTEX		ND	ND	0.677			
Percent Moisture	<i>Extracted:</i>	Sep-26-07 15:30	Sep-26-07 15:30	Sep-26-07 15:30			
	<i>Analyzed:</i>	Sep-26-07 15:30	Sep-26-07 15:30	Sep-26-07 15:30			
	<i>Units:RL:</i>	% RL	% RL	% RL			
Percent Moisture		18.6 1.00	17.8 1.00	17.0 1.00			
TPH by SW 8015B	<i>Extracted:</i>	Sep-27-07 17:18	Sep-27-07 17:18	Sep-27-07 17:18			
	<i>Analyzed:</i>	Sep-27-07 20:57	Sep-27-07 21:20	Sep-27-07 21:44			
	<i>Units:RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		64.8 12.0	22.1 12.0	4.80 11.8			
C10-C25 Diesel Range Hydrocarbons		2020 12.0	135 12.0	1100 11.8			
Total TPH		2114.8	157.1	1500			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretation 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. Confidentiality is limited to the amount requested for this work, order unless otherwise agreed to in writing.

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

Brent Barron
Odessa Laboratory Director



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.

* Outside XENCO'S scope of NELAC Accreditation

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9701 Harry Hines Blvd., Dallas, TX 75220
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

Phone	Fax
(281) 589-0692	(281) 589-0695
(214) 902 0300	(214) 351-9139
(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12601 West I-20 East
Odessa, Texas 79708

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

Project Manager: Robert Asher

Project Name: San Jac. Federal #1

Company Name Yates Petroleum Corporation

Project #: 30-015-28186

Company Address: 105 South 4th Street

Project Location: Elzey County

City/State/Zip: Artesia, NM 88210

PO # 105632

Telephone No: 505-248-4217

Fax No. 505-748-4082

Report Format: ☒ Standard ☐ IRBP ☐ NEDS

Sampler Signature:

e-mail: boba@vpchm.com

[illegible]

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

Client: ates
Date/ Time: 9/26/07 10:15
Lab ID #: 2910258
Initials: AL

Sample Receipt Checklist

				Client Initials	
#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>3.5</u> °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
#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	ID written on Cont / Co	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELDT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#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	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	<u>Yes</u>	No	Not Applicable	
#20	VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

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 285838

for

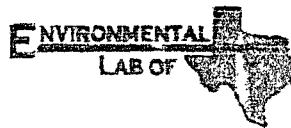
Yates Petroleum Corporation

Project Manager: Robert Asher

Serrano Federal # 1

30-015-28166

20-JUL-07



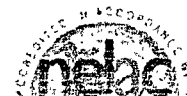
12600 West I-20 East Odessa, Texas 79765

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NELAC certification numbers:

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Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



20-JUL-07

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

Reference: XENCO Report No: **285838**
Serrano 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 285838. 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. 285838 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

Odessa Laboratory Director

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Certificate of Analysis Summary 285838

Yates Petroleum Corporation, Artesia, NM

Project Name: Serrano Federal #1



Project Id: 30-015-28166

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Thu Jul-12-07 12:00 pm

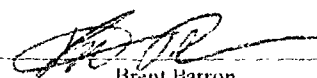
Report Date: 20-JUL-07

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	285838-001	285838-002	285838-003			
	Field Id:	GS/Comp-001	GS/Comp-002	GS/Comp-003			
	Depth:	1-1 ft	1-1 ft	1-1 ft			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	Jul-11-07 09:24	Jul-11-07 09:38	Jul-11-07 10:00			
BTEX by EPA 8021B	Extracted:	Jul-13-07 14:56	Jul-13-07 14:56	Jul-13-07 14:56			
	Analyzed:	Jul-14-07 08:36	Jul-14-07 08:57	Jul-14-07 09:17			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		1.134 0.0279	0.9989 0.1112	0.3643 0.1183			
Toluene		8.545 0.0279	8.509 0.1112	7.033 0.1183			
Ethylbenzene		2.543 0.0279	2.505 0.1112	3.280 0.1183			
m,p-Xylene		20.06 0.0556	20.64 0.2225	21.50 0.2366			
o-Xylene		9.685 0.0279	7.437 0.1112	7.175 0.1183			
Total Xylenes		35.745	38.077	28.775			
Total BTEX		47.967	40.099	39.493			
Percent Moisture	Extracted:						
	Analyzed:	Jul-12-07 17:55	Jul-12-07 18:00	Jul-12-07 18:05			
	Units/RL:	% RL	% RL	% RL			
Percent Moisture		10.4	10.1	15.5			
TPH by SW 8015B	Extracted:	Jul-16-07 12:00	Jul-16-07 12:00	Jul-16-07 12:00			
	Analyzed:	Jul-16-07 18:30	Jul-16-07 18:56	Jul-16-07 19:21			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		2480 55.8	921 55.6	750 11.8			
C10-C23 Diesel Range Hydrocarbons		17900 55.8	6360 55.6	3640 11.8			
Total Chloride by SW 9253	Extracted:						
	Analyzed:	Jul-18-07 13:00	Jul-18-07 13:00	Jul-18-07 13:00			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		285 5.58	237 5.56	201 5.91			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretation 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 advanced for this work, unless otherwise agreed to in writing.

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Brent Barron
Odessa Laboratory Director



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.

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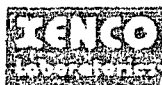
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(305) 823-8500	(305) 823-8555



Form 2 - Surrogate Recoveries

Project Name: Serrano Federal # 1



Work Order #: 285838

Project ID: 30-015-28166

Lab Batch #: 700420

Sample: 285838-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.1180	0.0500	236	75-125	**

Lab Batch #: 700420

Sample: 285838-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0564	0.0500	113	75-125	

Lab Batch #: 700420

Sample: 285838-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0619	0.0500	124	75-125	

Lab Batch #: 700420

Sample: 285839-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0786	0.0500	57	75-125	*

Lab Batch #: 700420

Sample: 285839-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0256	0.0500	51	75-125	*

** Surrogates outside limits, data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone 432-663-1200
Fax 432-663-1713

Project Name Seward Forest #1
Project # 33 015 26168
Project Loc Edgar County
PO # 0662
Project Format ☒ Standard ☐ TRAP ☐ NPDES

[illegible]

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

Client Yates
Date/Time 7-17-07 12:00
Lab ID # 295838
Initials AL

Sample Receipt Checklist

			Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	0 0 °C
#2 Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present
#5 Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	ID written on Container
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#11 Containers supplied by ELOT?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#13 Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#14 Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable

Variance Documentation

Contact _____ Custodial 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