

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (505) 748-1471

S.P. YATES
CHAIRMAN EMERITUS

JOHN A. YATES
CHAIRMAN OF THE BOARD

PEYTON YATES
PRESIDENT

FRANK YATES, JR.
EXECUTIVE VICE PRESIDENT

JOHN A. YATES, JR.
SENIOR VICE PRESIDENT

June 15, 2007

Mr. Chris Williams
NMOCD District I
1625 French Drive
Hobbs, NM 88240

RE: 1RP-1381
Lusk AHB Federal #2
30-025-31042
Section 20, T12S-R34E
Lea County, New Mexico

Dear Mr. Williams,

Enclosed please find a Form C-141, Final Report for the above captioned site on the release of October 29, 2006. A work plan was submitted on October 29, 2006 and approved on May 29, 2007. Remediation of site by means excavating contaminated soils and disposing of soils at an OCD approve land facility. A sampling event was requested on June 5, 2007, samples were taken and sent to an OCD approve laboratory (enclosed analytical reports and site sample maps), the samples taken pertaining to the release are labeled GS/Comp-001; GS/Comp-002; GS/Comp-003; GS/Comp-004 and GS/Comp-005. Based on the analytical results, no further remediation will be conducted at this site. Yates Petroleum Corporation would like to request closure of the site.

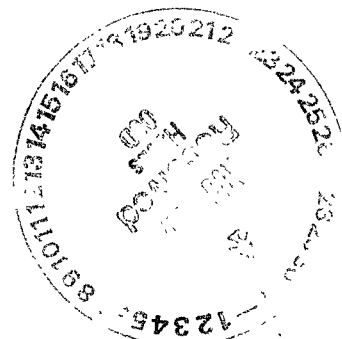
If you have any questions, please call me at 505-748-4217.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher
Environmental Regulatory Agent

/rca
Enclosure(s)



RANDY G. PATTERSON
VICE PRESIDENT

DAVID L. LANNING
ASSISTANT VICE PRESIDENT

DENNIS G. KINSEY
TREASURER

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street		Telephone No. 505-748-1471
Facility Name Lusk AHB Federal #2	API Number 30-025-31042	Facility Type Tank Battery

Surface Owner Federal	Mineral Owner Federal	Lease No. NM-59392
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LOCATION OF RELEASE

Unit Letter G	Section 35	Township 19S	Range 32E	Feet from the 1930	North/South Line North	Feet from the 1650	East/West Line East	County Lea
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Latitude 32.61852 Longitude 103.73323

NATURE OF RELEASE

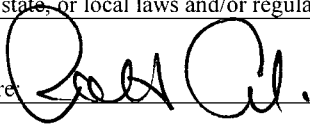
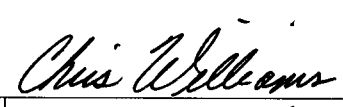
Type of Release Crude Oil & Produced Water	Volume of Release 1 B/O & 100 B/PW	Volume Recovered 0 B/O & 20 B/PW
Source of Release Poly Line	Date and Hour of Occurrence 10/29/2006 AM	Date and Hour of Discovery 10/29/2006 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton/OCD via phone and follow up e-mail.	
By Whom? Sherry Bonham/Yates Petroleum Corporation	Date and Hour 10/30/2006 AM	
Was a Watercourse Reached? ☐ Yes ☒ 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.*
Water pump reset was tripped. Restored water pump reset.

Describe Area Affected and Cleanup Action Taken.*
Approximate 25' X 100' area affected within berm. Approximate 20' X 70' affected outside berm. Vacuum truck and crew called in to recover fluids
Affected materials excavated and removed to an OCD approved land facility. **Depth to Ground Water: >100', Wellhead Protection Area: No,**
Distance to Surface Water Body: >1000', SITE RANKING IS 0. With enclosed information, Yates Petroleum Corporation is requesting closure.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor: 	
Title: Environmental Regulatory Agent	Approval Date: <u>9/26/07</u>	Expiration Date: <u>9/26/07</u>
E-mail Address: boba@ypcnm.com	Conditions of Approval:	Attached ☐
Date: Friday, June 15, 2007	Phone: 505-748-1471	

* Attach Additional Sheets If Necessary

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 SHERRY BONHAM
Address 105 S 4 TH STREET		Telephone No. 505.748.1471
Facility Name LUSK AHB FEDERAL 2	API Number 30-025-31042	Facility Type TANK BATTERY
Surface Owner FEDERAL	Mineral Owner FEDERAL	Lease No.

LOCATION OF RELEASE

Unit Letter G	Section 35	Township 19S	Range 32E	Feet from the 1930	North/South Line NORTH	Feet from the 1650	East/West Line EAST	County LEA
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Latitude 32.61853 Longitude 103.73323

NATURE OF RELEASE

Type of Release CRUDE OIL AND PRODUCED WATER	Volume of Release 1 B/O 100 B/P/W	Volume Recovered 0 B/O 20 B/P/W
Source of Release TANK	Date and Hour of Occurrence 10/29/06 1:00 PM	Date and Hour of Discovery 10/29/06 1:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? PAT CAPERTON VIA VOICE MAIL AND FOLLOW UP E-MAIL	
By Whom? SHERRY BONHAM	Date and Hour 10/30/06 11:53 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

NA/

Describe Cause of Problem and Remedial Action Taken *

WATER PUMP RESET WAS TRIPPED. RESTORED WATER PUMP RESET.

Describe Area Affected and Cleanup Action Taken.*

APPROXIMATE 25' X 100' AREA AFFECTED WITHIN BERM. APPROXIMATE 20' X 70' AFFECTED OUTSIDE BERM VACUUM TRUCK AND CREW CALLED IN TO RECOVER FLUIDS. AFFECTED MATERIALS EXCAVATED AND DISPOSED AT WASTE FACILITY
SITE RANKING : 0

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

OIL CONSERVATION DIVISION

Signature <i>Sherry Bonham</i>	Approved by District Supervisor: <i>Sherry Bonham</i>	
Printed Name: Sherry Bonham	Approval Date: <u>5-29-07</u>	Expiration Date: <u>8-29-07</u>
Title: Environmental Regulatory Agent	Conditions of Approval:	
E-mail Address: sherryb@ypcnm.com	Attached ☒	
Date: November 8, 2006	Phone: 505.748.1471	

* Attach Additional Sheets If Necessary

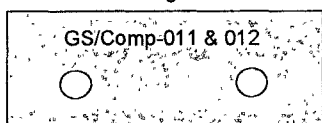
Incident - n PAC 0715050857
application - p PAC 0715050945

SUPPORTING DOCUMENTATION BY

RP# 1381

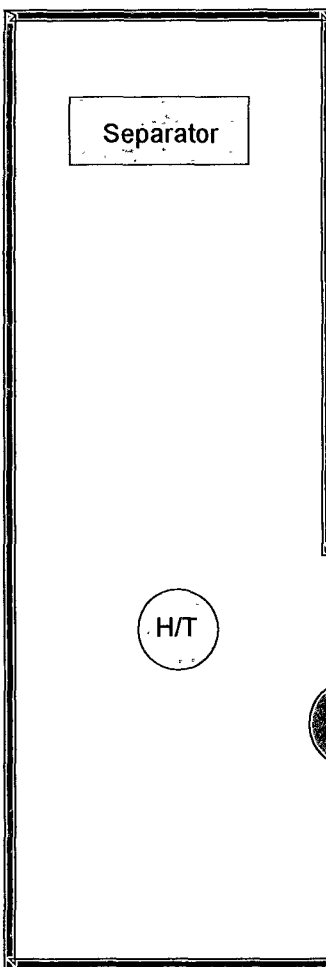


Blending Area



Pump Jack

Berm



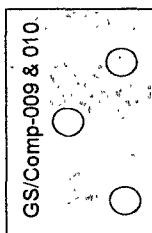
Sample ID	Sample Date	Depth	BTEX	TPH (GRO)	TPH (DRO)	TPH (Total)	Chlorides
GS/Comp-001	6/5/2007	3'	1.82	124	471	595	1190
GS/Comp-002	6/5/2007	3'	12.50	1150	3520	4670	1830
GS/Comp-003	6/5/2007	3'	0.37	98.2	752	850	340
GS/Comp-004	6/5/2007	5'	4.04	541	1420	1960	574
GS/Comp-005	5/22/2007	3'	4.79	251	645	896	1080
GS/Comp-006	6/5/2007	2'	ND	ND	620	620	191
GS/Comp-007	6/5/2007	1'	ND	ND	476	476	42.5
GS/Comp-008	6/5/2007	2'	ND	J	28.3	28.3	276
GS/Comp-009	6/5/2007	1'	ND	ND	2680	2680	42.5
GS/Comp-010	6/5/2007	2'	ND	ND	342	342	21.3
GS/Comp-011	6/5/2007	1'	ND	ND	489	489	181
GS/Comp-012	6/5/2007	2'	ND	ND	235	235	170

Analysis conducted by Environmental Lab of Texas

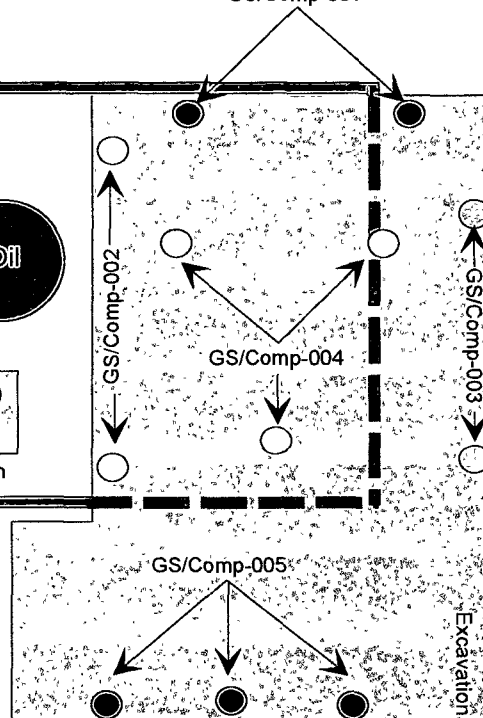
Results are in ppm. J - Detected but below the Reporting Limit.

SITE RANKING: Zero (0)

Blending Area



GS/Comp-001



H/T

PW

Oil

Oil

Oil

GS/Comp-006

Excavation

Excavation

GS/Comp-007 & 008

GS/Comp-005

Excavation



Lusk AHB Federal #2

Section 35, T19S-R23E

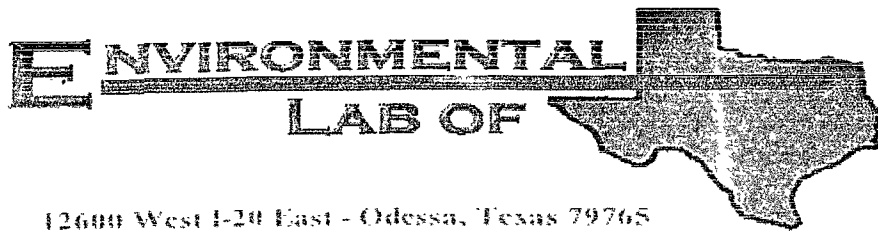
Lea County, NM

EXHIBIT

Sample Diagram (Not to Scale)

Prepared by Robert Asher
Environmental Regulatory Agent

June 15, 2007



12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Robert Asher

Yates Petroleum Corp.

105 S. Fourth St.

Artesia, NM 88210

Project: Lusk AHB Federal #2

Project Number: 30-025-31042

Location: Lea County

Lab Order Number: 7F07003

Report Date: 06/14/07

Yates Petroleum Corp.
105 S Fourth St.
Artesia NM, 88210

Project Lusk AHB Federal #2
Project Number. 30-025-31042
Project Manager. Robert Asher

Fax: (505) 748-4662

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS/ Comp-001	7F07003-01	Soil	06/05/07 10:20	06-07-2007 10:00
GS/ Comp-002	7F07003-02	Soil	06/05/07 10:35	06-07-2007 10:00
GS/ Comp-003	7F07003-03	Soil	06/05/07 10:50	06-07-2007 10:00
GS/ Comp-004	7F07003-04	Soil	06/05/07 11:07	06-07-2007 10:00
GS/ Comp-005	7F07003-05	Soil	06/05/07 11:24	06-07-2007 10:00
GS/ Comp-006	7F07003-06	Soil	06/05/07 11:45	06-07-2007 10:00
GS/ Comp-007	7F07003-07	Soil	06/05/07 12:00	06-07-2007 10:00
GS/ Comp-008	7F07003-08	Soil	06/05/07 12:11	06-07-2007 10:00
GS/ Comp-009	7F07003-09	Soil	06/05/07 12:25	06-07-2007 10:00
GS/ Comp-0010	7F07003-10	Soil	06/05/07 12:40	06-07-2007 10:00
GS/ Comp-0011	7F07003-11	Soil	06/05/07 12:51	06-07-2007 10:00
GS/ Comp-0012	7F07003-12	Soil	06/05/07 11:59	06-07-2007 10:00

Yates Petroleum Corp
105 E. Fourth St.
Artesia NM. 88210

Project Lusk AHB Federal #2
Project Number 30-025-31042
Project Manager, Robert Asher

Fax: (505) 748-4662

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS/ Comp-001 (7F07003-01) Soil									
Benzene	J [0.00893]	0.0250	mg/kg dry	25	EF70803	06/08/07	06/08/07	EPA 8021B	I
Toluene	0.147	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.389	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.922	0.0250	"	"	"	"	"	"	
Xylene (o)	0.358	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		130 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	124	10.0	mg/kg dry	1	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	471	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	595	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		81.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		83.2 %	70-130		"	"	"	"	
GS/ Comp-002 (7F07003-02) Soil									
Benzene	1.99	0.0500	mg/kg dry	50	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	2.55	0.0500	"	"	"	"	"	"	
Ethylbenzene	2.78	0.0500	"	"	"	"	"	"	
Xylene (p/m)	3.66	0.0500	"	"	"	"	"	"	
Xylene (o)	1.52	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		140 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		136 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	1150	50.0	mg/kg dry	5	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	3520	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	4670	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		21.4 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		16.6 %	70-130		"	"	"	"	S-06
GS/ Comp-003 (7F07003-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	0.0457	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0815	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.203	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0394	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.8 %	75-125		"	"	"	"	
Carbon Ranges C6-C10	98.2	50.0	mg/kg dry	5	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	752	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	850	50.0	"	"	"	"	"	"	

Environmental Lab of Texas

A Xenco Laboratories Company

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas

Page 2 of 14

Yates Petroleum Corp.
105 E. Fourth St.
Artesia NM, 88210

Project: Lusk AHB Federal #2
Project Number 30-025-31042
Project Manager: Robert Asher

Fax: (505) 748-4662

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS/ Comp-003 (7F07003-03) Soil									
Surrogate: 1-Chlorooctane		15.7 %	70-130		EF70703	06/07/07	06/11/07	EPA 8015B	S-06
Surrogate: 1-Chlorooctadecane		16.5 %	70-130		"	"	"	"	S-06
GS/ Comp-004 (7F07003-04) Soil									
Benzene	0.633	0.0250	mg/kg dry	25	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	1.16	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.754	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.939	0.0250	"	"	"	"	"	"	
Xylene (o)	0.554	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		137 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		146 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	541	50.0	mg/kg dry	5	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	1420	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	1960	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		20.0 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		16.2 %	70-130		"	"	"	"	S-06
GS/ Comp-005 (7F07003-05) Soil									
Benzene	0.753	0.0250	mg/kg dry	25	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	0.972	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.804	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.80	0.0250	"	"	"	"	"	"	
Xylene (o)	0.463	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		136 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		141 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	251	50.0	mg/kg dry	5	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	645	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	896	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		17.2 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		16.6 %	70-130		"	"	"	"	S-06

Environmental Lab of Texas

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Page 3 of 14

Yates Petroleum Corp.
105 S. Fourth St.
Artesia NM, 88210

Project: Lusk AHB Federal #2
Project Number: 30-025-31042
Project Manager: Robert Asher

Fax: (505) 748-4662

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS/ Comp-006 (7F07003-06) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		77.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		66.4 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	ND	100	mg/kg dry	10	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	620	100	"	"	"	"	"	"	
Total Carbon Range C6-C28	620	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		7.74 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		8.22 %	70-130		"	"	"	"	S-06
GS/ Comp-007 (7F07003-07) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		67.0 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	ND	50.0	mg/kg dry	5	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	476	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	476	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		16.2 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		16.8 %	70-130		"	"	"	"	S-06
GS/ Comp-008 (7F07003-08) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.6 %	75-125		"	"	"	"	
Carbon Ranges C6-C10	J [7.25]	10.0	mg/kg dry	1	EF70703	06/07/07	06/11/07	EPA 8015B	J
Carbon Ranges >C10-C28	28.3	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	28.3	10.0	"	"	"	"	"	"	

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Yates Petroleum Corp.
105 S. Fourth St.
Artesia NM, 88210

Project: Lusk AHB Federal #2
Project Number: 30-025-31042
Project Manager: Robert Asher

Fax: (505) 748-4662

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS/ Comp-008 (7F07003-08) Soil									
Surrogate: 1-Chlorooctane		77.0 %	70-130		EF70703	06/07/07	06/11/07	EPA 8015B	
Surrogate: 1-Chlorooctadecane		81.8 %	70-130		"	"	"	"	
GS/ Comp-009 (7F07003-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		105 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	75-125		"	"	"	"	
Carbon Ranges C6-C10	ND	100	mg/kg dry	10	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	2680	100	"	"	"	"	"	"	
Total Carbon Range C6-C28	2680	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		7.74 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		8.28 %	70-130		"	"	"	"	S-06
GS/ Comp-0010 (7F07003-10) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.6 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		75.6 %	75-125		"	"	"	"	
Carbon Ranges C6-C10	ND	50.0	mg/kg dry	5	EF70703	06/07/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	342	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	342	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		15.2 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		16.1 %	70-130		"	"	"	"	S-06

Environmental Lab of Texas

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Yates Petroleum Corp
105 S. Fourth St.
Artesia NM, 88210

Project: Lusk AHB Federal #2
Project Number 30-025-31042
Project Manager: Robert Asher

Fax: (505) 748-4662

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS/ Comp-0011 (7F07003-11) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		70.4 %	75-125		"	"	"	"	S-06
Carbon Ranges C6-C10	ND	50.0	mg/kg dry	5	EF70703	06/08/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	489	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	489	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		15.3 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		16.3 %	70-130		"	"	"	"	S-06
GS/ Comp-0012 (7F07003-12) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70803	06/08/07	06/08/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		75.0 %	75-125		"	"	"	"	
Carbon Ranges C6-C10	ND	50.0	mg/kg dry	5	EF70703	06/08/07	06/11/07	EPA 8015B	
Carbon Ranges >C10-C28	235	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	235	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		15.7 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		16.3 %	70-130		"	"	"	"	S-06

Environmental Lab of Texas

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Yates Petroleum Corp.
105 S. Fourth St
Artesia NM, 88210

Project: Lusk AHB Federal #2
Project Number: 30-025-31042
Project Manager: Robert Asher

Fax: (505) 748-4662

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS/ Comp-001 (7F07003-01) Soil									
Chloride	1190	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	15.4	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-002 (7F07003-02) Soil									
Chloride	1830	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	8.6	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-003 (7F07003-03) Soil									
Chloride	340	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	12.0	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-004 (7F07003-04) Soil									
Chloride	574	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	10.4	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-005 (7F07003-05) Soil									
Chloride	1080	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	14.1	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-006 (7F07003-06) Soil									
Chloride	191	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	7.1	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-007 (7F07003-07) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	7.4	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-008 (7F07003-08) Soil									
Chloride	276	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	11.7	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	

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Yates Petroleum Corp
105 S. Fourth St.
Artesia NM, 88210

Project: Lusk AHB Federal #2
Project Number 30-025-31042
Project Manager: Robert Asher

Fax: (505) 748-4662

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS/ Comp-009 (7F07003-09) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	3.7	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-0010 (7F07003-10) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	4.0	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-0011 (7F07003-11) Soil									
Chloride	181	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	5.1	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	
GS/ Comp-0012 (7F07003-12) Soil									
Chloride	170	20.0	mg/kg Wet	2	EF71107	06/11/07	06/11/07	SW 846 9253	
% Moisture	6.7	0.1	%	1	EF70801	06/07/07	06/08/07	% calculation	

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Yates Petroleum Corp.
105 S. Fourth St.
Artesia NM, 88210

Project: Lusk AHB Federal #2
Project Number: 30-025-31042
Project Manager: Robert Asher

Fax: (505) 748-4662

Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-10 LCS/LCSD were analyzed in place of MS/MSD.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

6/14/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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If you have received this material in error, please notify us immediately at 432-563-1800.

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Robert Asher

Project Name Lusk AHB Federal #2

Company Name Yates Petroleum Corporation

Project # 30-025-31042

Company Address 105 South 4th Street

Project Loc: Lea County

City/State/Zip. Artesia, NM 88210

PO # 105632

Telephone No. 505-748-4217 Fax No. 505-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature  e-mail: boba@vpcnm.com

e-mail: boba@vpcnn.com

[illegible]

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager Robert Asher
Company Name Yates Petroleum Corporation
Company Address 105 South 4th Street
City/State/Zip Artesia, NM 88210
Telephone No: 505-748-4217
Sampler Signature [Signature]

Project Name Lusk AHB Federal #2
Project # 30-025-31042
Project Loc Lea County
PO # 105632

Fax No. 505-748-4662
e-mail boba@ypcnm.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 7F07003

ORDER #:		7607003																Preservative & # of Containers										Matrix															RUSH TAT (Pre-Schedule) 24, 48, 72		Standard TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO3	HCl	H2SO4	NaOH	Hg, Se, Cr	None	Other / Specify:	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Gold NP=Non Priority Specify Other	TPH 4181 8015B	TPH 4181 8015B	TPH 4181 8015B	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As, Ag, Ba, Cd, Cr, Pb, Hg, Ni, V	Volatiles	Semivolatiles	BTEX / BTEX 3060 or BTEX 3065	RCI	NORM	Chlorides																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Special Instructions: TPH, 8015B BTEX, 8021B and Chlorides. Show BTEX results in mg/kg Thank you

Laboratory Comments:
Sample Containers Intact? ☒ N
VOCs Free of Headspace? ☒ N
Labels on container(s) ☒ N
Custody seals on container(s) ☒ N
Custody seals on cooler(s) ☒ N
Sample Hand Delivered ☒ N
by Sampler/Client Rep? ☒ N
by Courier? ☒ UPS DHL FedEx Lone Star
Temperature Upon Receipt 45 °C

Relinquished by	Date	Time	Received by:	Date	Time
Robert Asher <u>RCA/WRC</u>	06/06/07	2:05 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
FedEx: <u>171316113368</u>			<u>Andrea Lamm</u>	6-7-07	10:00

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client Yates
 Date/ Time 6/7/07 10:00
 Lab ID # 7F07003
 Initials ME

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>4.5</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 / Lid	
#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 ELOT?	<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	<u>Not Applicable</u>	
#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