

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 20, 2007

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

RE: 1RP-1153
Wynona State Unit #1
30-025-37013
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 regarding the release on December 6, 2006. Contaminated soils have been treated per our December 21, 2006 work plan with nitrogen fertilizers and water. A sampling event was requested and samples were taken on May 17, 2007. Samples were sent to an OCD approved laboratory for analysis (please see attached analytical reports and sample diagram). Yates would like to propose blending the three (3) stockpiled berm materials and reuse the soils to rebuild the berm, the blending of the materials would dilute the soils content of TPH and the mixing process would facilitate the flashing off of the GRO-TPH amounts still present in the soils. Site ranking is twenty (20), with the depth to ground water < 50' (approximately 45'). Based on the remediation work (treatment of contaminated soils), the analytical reports and soil blending, Yates Petroleum Corporation requests closure.

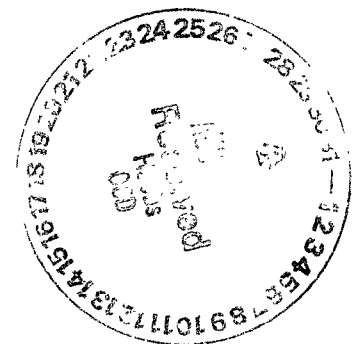
If you have any questions, please call me at 505-748-4217.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher
Environmental Regulatory Agent

/rca
Enclosure(s)



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

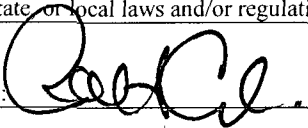

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street	Telephone No. 505-748-1471	
Facility Name Wynona State Unit #1	API Number 30-025-37013	Facility Type Battery
Surface Owner Fee	Mineral Owner State	Lease No. V-5947

LOCATION OF RELEASE

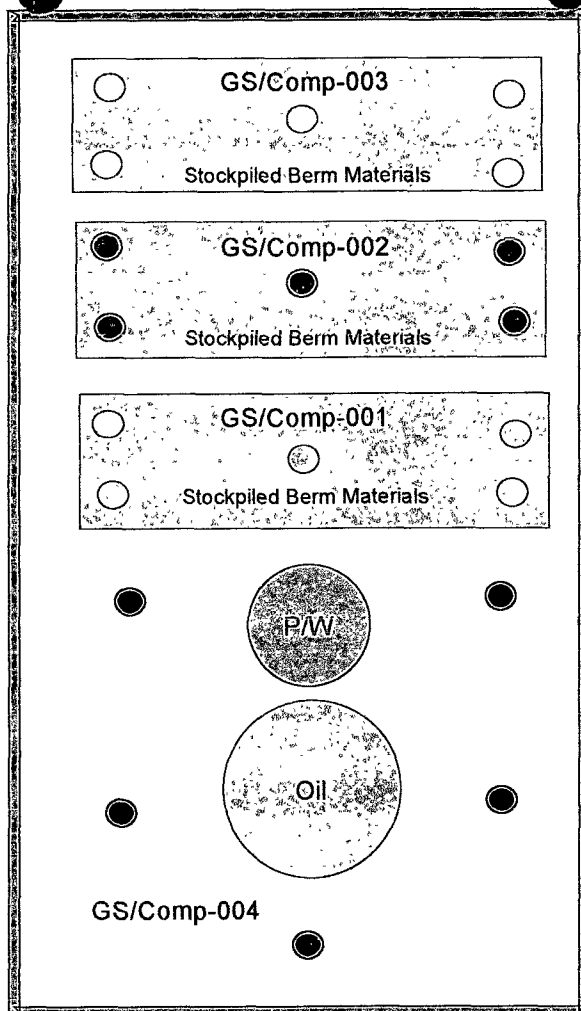
Unit Letter A	Section 20	Township 12S	Range 34E	Feet from the 990	North/South Line North	Feet from the 660	East/West Line East	County Lea
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Latitude 33.44098 Longitude 10358810

NATURE OF RELEASE

Type of Release Condensate	Volume of Release 100 B/C	Volume Recovered 60 B/C
Source of Release Valve	Date and Hour of Occurrence 12/6/2006 AM	Date and Hour of Discovery 12/6/2006 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Pat Caperton/OCD District I	
By Whom? Robert Asher/Yates Petroleum Corporation	Date and Hour 12/6/2006 (E/M @ 9:45 AM, V/M @ 10:15 AM)	
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.* BS & W line on production tank froze and broke valve causing release Vacuum truck called and valve replaced.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 28' X 75'. Small amount of condensate seeped through the berm, soils to be excavated. Picked up standing fluids, contaminated soils in berm were excavated, hauled to an OCD approved land facility. Vertical and horizontal delineation will be made and corrective action taken. Depth to Ground Water: < 50'; Wellhead Protection Area: No; Distance to Surface Water Body: >1000'; SITE RANKING IS 20. Based on enclosed information, Yates 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>9/24/07</u>
E-mail Address: boba@ypcnm.com	Conditions of Approval:	
Date: Wednesday, June 20, 2007 Phone: 505-748-1471	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary



Sample ID	Sample Date	Sample Type	Depth	BTEX	TPH (GRO)	TPH (DRO)	TPH (TOTAL)
#1	2/7/2007	Grab/Shovel	6"	211	2600	520	3120
GS/Comp-001	6/12/2007	Grab/Shovel	6"	ND	11.9	22.3	31
Sample ID	Sample Date	Sample Type	Depth	BTEX	TPH (GRO)	TPH (DRO)	TPH (TOTAL)
#2	2/7/2007	Grab/Shovel	6"	110.2	1900	450	2350
GS/Comp-002	6/12/2007	Grab/Shovel	6"	ND	15.9	22.3	38.2
Sample ID	Sample Date	Sample Type	Depth	BTEX	TPH (GRO)	TPH (DRO)	TPH (TOTAL)
#3	2/7/2007	Grab/Shovel	6"	169.3	2700	570	3270
GS/Comp-003	6/12/2007	Grab/Shovel	6"	ND	386	128	514
Sample ID	Sample Date	Sample Type	Depth	BTEX	TPH (GRO)	TPH (DRO)	TPH (TOTAL)
GS/Comp-004	3/21/2007	Grab/Auger	12"	5.06	417	139	613
GS/Comp-004	6/12/2007	Grab/Auger	12"	ND	12.8	20	32.8

Site Ranking is Twenty (20). Depth to Ground Water < 50' (approx. 45')

All results are ppm



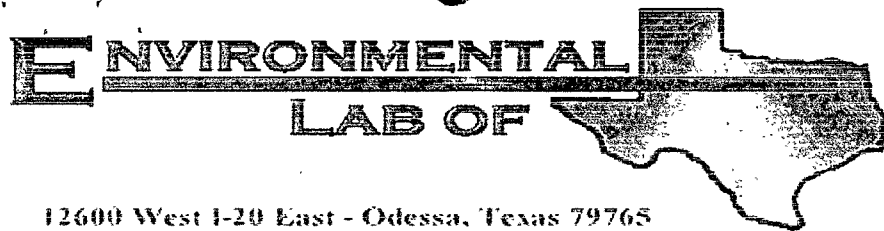
Wynona State Unit #1

Section 20, T12S-R34E

Lea County, NM

EXHIBIT
Sample Diagram (Not to Scale)

Prepared by Robert Asher
Environmental Regulatory Agent
June 20, 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: Wynona State Unit #1

Project Number: 30-025-37013

Location: Lea County

Lab Order Number: 7F14005

Report Date: 06/19/07

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

Project Wynona State Unit #1
Project Number: 30-025-37013
Project Manager: Robert Asher

Fax: (505) 748-4662

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS/ Comp-001	7F14005-01	Soil	06/12/07 10:32	06-14-2007 10:45
GS/ Comp-002	7F14005-02	Soil	06/12/07 10:42	06-14-2007 10:45
GS/ Comp-003	7F14005-03	Soil	06/12/07 10:50	06-14-2007 10:45
GS/ Comp-004	7F14005-04	Soil	06/12/07 11:00	06-14-2007 10:45

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

Project: Wynona State Unit #1
Project Number: 30-025-37013
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 (7F14005-01) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF71809	06/18/07	06/18/07	EPA 8021B	
Toluene	J [0.00115]	0.00200	"	"	"	"	"	"	J
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	0.00355	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		73.8 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	11.9	10.0	mg/kg dry	1	EF71505	06/15/07	06/15/07	EPA 8015B	
Carbon Ranges >C10-C28	19.1	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	31.0	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		89.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		88.8 %	70-130		"	"	"	"	
GS/ Comp-002 (7F14005-02) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF71809	06/18/07	06/19/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	J [0.00142]	0.00200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		73.0 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		69.6 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	15.9	10.0	mg/kg dry	1	EF71505	06/15/07	06/15/07	EPA 8015B	
Carbon Ranges >C10-C28	22.3	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	38.2	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		86.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		86.2 %	70-130		"	"	"	"	
GS/ Comp-003 (7F14005-03) Soil									
Benzene	J [0.0217]	0.0250	mg/kg dry	25	EF71809	06/18/07	06/19/07	EPA 8021B	J
Toluene	0.875	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.421	0.0250	"	"	"	"	"	"	
Xylene (p/m)	3.19	0.0250	"	"	"	"	"	"	
Xylene (o)	0.826	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		138 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		143 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	386	10.0	mg/kg dry	1	EF71505	06/15/07	06/15/07	EPA 8015B	
Carbon Ranges >C10-C28	128	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	514	10.0	"	"	"	"	"	"	

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 9

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

Project: Wynona State Unit #1
Project Number: 30-025-37013
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 (7F14005-03) Soil									
Surrogate: 1-Chlorooctane		103 %	70-130		EF71505	06/15/07	06/15/07	EPA 8015B	
Surrogate: 1-Chlorooctadecane		89.4 %	70-130		"	"	"	"	
GS/ Comp-004 (7F14005-04) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF71809	06/18/07	06/19/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	0.00419	0.00200	"	"	"	"	"	"	
Xylene (o)	J [0.00157]	0.00200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		69.4 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		69.8 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	12.8	10.0	mg/kg dry	1	EF71505	06/15/07	06/15/07	EPA 8015B	
Carbon Ranges >C10-C28	20.0	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	32.8	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		82.6 %	70-130		"	"	"	"	

Environmental Lab of Texas

A Xenco Laboratories Company

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Page 3 of 9

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

Project: Wynona State Unit #1
Project Number: 30-025-37013
Project Manager: Robert Asher

Fax: (505) 748-4662

Notes and Definitions

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

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

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:

6/19/2007

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

Environmental Lab of Texas

A Xenco Laboratories Company

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Page 9 of 9

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

Project Name: Wynona State Unit #1

Company Name: Yates Petroleum Corporation

Project #: 30-025-37013

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: 505-748-4862

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *Robert Asher*

e-mail: boba@ypcnm.com

(lab use only)		Analyze For	
ORDER #: <u>TF14005</u> <u>284237</u>		TOTAL:	
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth
Date Sampled	Time Sampled	Field Filtered	Total # of Containers
Preservation & # of Containers			
Matrix			
TPH	418	8015B	8015B
TPH	TX 1005	TX 1006	TX 1006
Cations (Ca, Mg, Na, K)	Ammonia (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals, As, Ag, Ba, Cd, Cr, Pb, Hg, Se
Volatiles	Semivolatiles	BTEX 8021B/8023 or BTEX 8260	AO
NORM	Chlorides	RUSH TAT (Per Schedule 24, 48, 72 hrs)	Standard TAT
01	GS/Comp-001	6"	6"
02	GS/Comp-002	6"	6"
03	GS/Comp-003	6"	6"
04	GS/Comp-004	12"	12"

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

Relinquished by: Robert Asher PCA/UPC Date: 06/13/07 Time: 2:44 PM

Relinquished by: FedEx: 791321449068 Date: 6-14-07 Time: 10:45

Received by: Anchea Lamm Date: 6-14-07 Time: 10:45

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: 0.5 °C

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

Client: Yates
 Date/ Time: 6-14-07 10:45
 Lab ID #: TF14005
 Initials: GL

Sample Receipt Checklist

Client Initials

#1 Temperature of container/ cooler?	<u>Yes</u>	No	<u>0.5</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	Not Applicable	
#20 VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

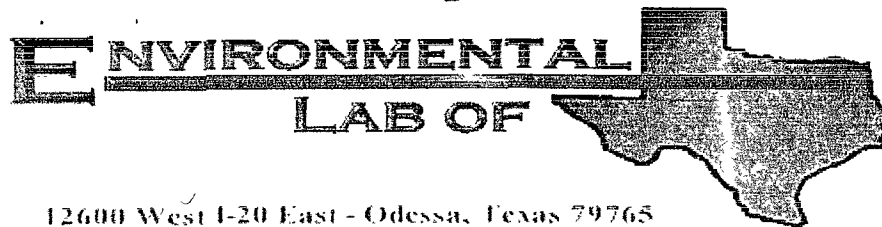
Variance Documentation

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



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: Wynona State Unit #1

Project Number: 30-025-37013

Location: Eddy County

Lab Order Number: 7C23004

Report Date: 03/30/07

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

Project: Wynona State Unit #1
Project Number: 30-025-37013
Project Manager: Robert Asher

Fax: (505) 748-4662

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS/ Comp- 001	7C23004-01	Soil	03/21/07 15:10	03-23-2007 11:30
GS/ Comp- 002	7C23004-02	Soil	03/21/07 15:26	03-23-2007 11:30
GS/ Comp- 003	7C23004-03	Soil	03/21/07 15:37	03-23-2007 11:30
GS/ Comp- 004	7C23004-04	Soil	03/21/07 15:54	03-23-2007 11:30

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

Project: Wynona State Unit #1
Project Number: 30-025-37013
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 (7C23004-01) Soil									
Benzene	J [0.0221]	0.0250	mg/kg dry	25	EC72719	03/27/07	03/28/07	EPA 8021B	J
Toluene	0.573	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.499	0.0250	"	"	"	"	"	"	
Xylene (p/m)	6.93	0.0250	"	"	"	"	"	"	
Xylene (o)	4.70	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		121 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		181 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	1010	10.0	mg/kg dry	1	EC72612	03/26/07	03/29/07	EPA 8015B	
Carbon Ranges >C10-C28	636	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	1650	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		163 %	70-130		"	"	"	"	S-04
Surrogate: 1-Chlorooctadecane		157 %	70-130		"	"	"	"	S-04
GS/ Comp- 002 (7C23004-02) Soil									
Benzene	J [0.00814]	0.0250	mg/kg dry	25	EC72719	03/27/07	03/28/07	EPA 8021B	J
Toluene	0.360	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.471	0.0250	"	"	"	"	"	"	
Xylene (p/m)	7.56	0.0250	"	"	"	"	"	"	
Xylene (o)	4.53	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		116 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		181 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	283	10.0	mg/kg dry	1	EC72612	03/26/07	03/29/07	EPA 8015B	
Carbon Ranges >C10-C28	241	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	524	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		147 %	70-130		"	"	"	"	S-04
Surrogate: 1-Chlorooctadecane		156 %	70-130		"	"	"	"	S-04
GS/ Comp- 003 (7C23004-03) Soil									
Benzene	0.0883	0.0250	mg/kg dry	25	EC72719	03/27/07	03/28/07	EPA 8021B	
Toluene	0.680	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.434	0.0250	"	"	"	"	"	"	
Xylene (p/m)	2.88	0.0250	"	"	"	"	"	"	
Xylene (o)	2.74	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		130 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		165 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	588	10.0	mg/kg dry	1	EC72612	03/26/07	03/29/07	EPA 8015B	
Carbon Ranges >C10-C28	440	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	1020	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

A Xenco Laboratories Company

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Page 2 of 10

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

Project: Wynaona State Unit #1
Project Number: 30-025-37013
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 (7C23004-03) Soil									
Surrogate: 1-Chlorooctane		154 %	70-130		EC72612	03/26/07	03/29/07	EPA 8015B	S-04
Surrogate: 1-Chlorooctadecane		154 %	70-130		"	"	"	"	S-04
GS/ Comp- 004 (7C23004-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC72907	03/29/07	03/30/07	EPA 8021B	
Toluene	0.0817	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.304	0.0250	"	"	"	"	"	"	
Xylene (p/m)	3.29	0.0250	"	"	"	"	"	"	
Xylene (o)	1.39	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		140 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C10	474	10.0	mg/kg dry	1	EC72612	03/26/07	03/29/07	EPA 8015B	
Carbon Ranges >C10-C28	139	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	613	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		151 %	70-130		"	"	03/26/07	"	S-04
Surrogate: 1-Chlorooctadecane		161 %	70-130		"	"	"	"	S-04

Environmental Lab of Texas

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

Project Wynona State Unit #1
Project Number 30-025-37013
Project Manager Robert Asher

Fax (505) 748-4662

Notes and Definitions

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

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

DE I 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

Cele D Keene

Date

03/30/07

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

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

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

Environmental Lab of Texas

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Page 10 of 10

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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: Wynona State Unit #1

Company Name	Yates Petroleum Corporation
--------------	-----------------------------

Project # 30-025-37013

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 505-748-4662

Report Format. ☒ Standard ☐ TRIP ☐ NPOES

Sampler Signature: [Signature] e-mail: boba@ypcnm.com

e-mail boba@vpcnm.com

[illegible]

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

Client: Etech
 Date/ Time: 3/23/07 10:10
 Lab ID #: 7023009
 Initials: UK

Sample Receipt Checklist

Client Initials

Temperature of container/ cooler?	Yes	No	2.0 ° C	
Shipping container in good condition?	Yes	No		
Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
Chain of Custody present?	Yes	No		
Sample instructions complete of Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished/ received?	Yes	No		
Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
Container label(s) legible and intact?	Yes	No	Not Applicable	
0 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
1 Containers supplied by ELOT?	Yes	No		
2 Samples in proper container/ bottle?	Yes	No	See Below	
3 Samples properly preserved?	Yes	No	See Below	
4 Sample bottles intact?	Yes	No		
5 Preservations documented on Chain of Custody?	Yes	No		
6 Containers documented on Chain of Custody?	Yes	No		
7 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
8 All samples received within sufficient hold time?	Yes	No	See Below	
9 Subcontract of sample(s)?	Yes	No	Not Applicable	
0 VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contacted: _____ Contacted by: _____ Date/ Time: _____

Guarding: _____

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

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

Project: Wynona State Unit #1
Project Number: 30-025-37013
Project Manager: Robert Asher

Fax: (505) 748-4662

Notes and Definitions

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

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

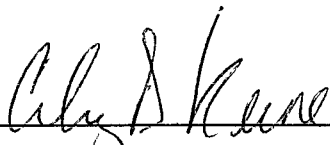
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

03/30/07

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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Environmental Lab of Texas

A Xenco Laboratories Company

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Page 10 of 10

ARGON ANALYTICAL SERVICES, INC.
CHAIN OF CUSTODY

Report To:

Samples Submitted To:

Laboratory: Argon Labs
Address: 2126 W. Marland Ave.
Hobbs, NM 88240

Contact:
Phone: (505) 397-0295
Fax: (505) 397-0296

EMI **Tc**

Direct Results Required:

Client: Same as Above



Date Report Required:

TURN AROUND TIME

4041 YEARS

118.1	ATX	DS	Chloride	Sulfate	TPH 88.15
-------	-----	----	----------	---------	-----------

Sample ID	Date	Time	# Cockles/m ²	Notes
#1	2/7/2	1345	1	Soil
#2	2/7/2	1350	1	Soil
#3	2/7/2	1355	1	Soil

Requested By: 	Date: 2/7/7	Time: 1540	Received By:  -	Date: 2-7-7	Time: 1540
Requested By:	Date:	Time:	Received By:	Date:	Time:
Requested By:	Date:	Time:	Received By:	Date:	Time:

Special instructions:

ANMBO - 2060

15.

55 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

FEB-07-2007 03:45 PM ARGON



2126 W Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296

Safety & Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number YAT-06-011

Project Name: Yates Wynonna

Project Manager: Bob Allen



Work Order No

B702006

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
# 1	B702006-01	Soil	02/07/07 13:45	02/07/07 15:40
# 2	B702006-02	Soil	02/07/07 13:50	02/07/07 15:40
# 3	B702006-03	Soil	02/07/07 13 55	02/07/07 15:40

Approved By

Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc.

Project Number: YAT-06-011

703 E. Clinton Ave

Project Name: Yates Wynonna

Work Order No.:

Hobbs, NM 88240

Project Manager: Bob Allen

B702006

BTEX EPA Method 8021B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
# 1 (B702006-01) Soil Sampled: 02/07/07 13:45 Received: 02/07/07 15:40							
Benzene	ND	1.0	mg/kg	200	02/14/07	8021B	
Toluene	26	1.0	"	"	"	"	
Ethylbenzene	15	1.0	"	"	"	"	
Xylenes (total)	170	2.0	"	"	"	"	
Surr. Rec.:		108 %			"	"	
# 2 (B702006-02) Soil Sampled: 02/07/07 13:50 Received: 02/07/07 15:40							
Benzene	ND	1.0	mg/kg	200	02/14/07	8021B	
Toluene	8.3	1.0	"	"	"	"	
Ethylbenzene	6.9	1.0	"	"	"	"	
Xylenes (total)	95	2.0	"	"	"	"	
Surr. Rec.:		106 %			"	"	
# 3 (B702006-03) Soil Sampled: 02/07/07 13:55 Received: 02/07/07 15:40							
Benzene	ND	1.0	mg/kg	200	02/14/07	8021B	
Toluene	28	1.0	"	"	"	"	
Ethylbenzene	13	1.0	"	"	"	"	
Xylenes (total)	140	2.0	"	"	"	"	
Surr. Rec.:		85 %			"	"	

Approved By

Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc.

Project Number: YAT-06-011

703 E. Clinton Ave

Project Name: Yates Wynonna

Work Order No.:

Hobbs, NM 88240

Project Manager: Bob Allen

B702006

Total Petroleum Hydrocarbons EPA Method 8015B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
# 1 (B702006-01) Soil Sampled: 02/07/07 13:45 Received: 02/07/07 15:40							
Gasoline Range Organics	2600	10.0	mg/kg	1	02/14/07	EPA 8015B	
Diesel Range Organics	520	10.0	"	"	"	"	
C29 - C35 Range Organics	ND	20.0	"	"	"	"	
Total Petroleum Hydrocarbons	3120	10.0	"	"	"	"	
Surr. Rec.:		110 %			"	"	
# 2 (B702006-02) Soil Sampled: 02/07/07 13:50 Received: 02/07/07 15:40							
Gasoline Range Organics	1900	10.0	mg/kg	1	02/14/07	EPA 8015B	
Diesel Range Organics	450	10.0	"	"	"	"	
C29 - C35 Range Organics	ND	20.0	"	"	"	"	
Total Petroleum Hydrocarbons	2350	10.0	"	"	"	"	
Surr. Rec.:		109 %			"	"	
# 3 (B702006-03) Soil Sampled: 02/07/07 13:55 Received: 02/07/07 15:40							
Gasoline Range Organics	2700	10.0	mg/kg	1	02/14/07	EPA 8015B	
Diesel Range Organics	570	10.0	"	"	"	"	
C29 - C35 Range Organics	ND	20.0	"	"	"	"	
Total Petroleum Hydrocarbons	3270	10.0	"	"	"	"	
Surr. Rec.:		115 %			"	"	

Approved By

Argon Laboratories, Inc

QC Officer

argon laboratories

2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296



Safety & Environmental Solutions, Inc.

Project Number: YAT-06-011

703 E. Clinton Ave

Project Name: Yates Wynonna

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

B702006

Notes and Definitions

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

Approved By

Argon Laboratories, Inc.

QC Officer